City of Ramsey
Agenda
Revised
Regular City Council
Tuesday, September 26, 2023
7:00 pm
Council Chambers, 7550 Sunwood Drive NW

Remote Attendance available at www.cityoframsey.com/meetings.
Those joining remotely and requesting to speak are asked to use a webcam when speaking.

1. Call to Order

2. Presentation

1. Proclamation Declaring October 2023 as *Domestic Violence Awareness Month*

2. Oath of Office - Patrol Officer

3. Citizen Input

4. Approve Agenda

5. Consent Agenda

1. Approve the Following Meeting Minutes:

   1. City Council Work Session dated 9/12/2023
   2. City Council Regular Session dated 9/12/2023

2. Approve Rental Licenses

3. Approve Business Licenses

4. Approve Request to Declare Surplus Property

5. Authorization to Hire a Community Service Officer (CSO/LEPS)

6. Authorization to Hire a Police Officer Filling a Current Vacancy in the Patrol Division

7. Adopt Resolution #23-241 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of September 7, 2023 through September 20, 2023.

8. Adopt Resolution #23-195 Approving a Development Agreement for Aldi.

9. Adopt Resolution #23-209 Approving Sale of Lot 1, Block 1, COR FOUR, Easements, Covenants and Restrictions (ECR) Agreement and 2nd Amendment to Declaration of ECR; ALDI

10. Adopt Resolution #23-213 Approving Final Payment to Douglas-Kerr Underground, L.L.C. for Improvement Project #22-05, 2022 Riverdale Drive Trunk Utility Improvements, Llama Street to Bowers Drive

11. Adopt Resolution #23-216 Authorizing Final Payment to Reshetar Systems, Inc. for IP 23-17, COR Tree Clearing.

12. Adopt Resolution #23-217 Authorizing Final Payment to Corrective Asphalt Materials, LLC for IP #23-09, 2023 Pavement Rejuvenation Improvements

13. Adopt Resolution #23-218 Approving Partial Payment #4 to Northern Lines Contracting, Inc. for Improvement Project #23-01; 161st Ave Reconstruction

14. Adopt Resolution #23-219 Approving Partial Payment no. 2 to Douglas-Kerr Underground, L.L.C. for Improvement Project #23-05; Barthel's Rum River Acres 2nd Street Reconstruction.

15. Adopt Resolution #23-220 Authorizing Partial Payment #2 to Meyer Contracting Inc. for Improvement Project #23-11; Lift Station #10 Improvements.

16. Adopt Resolution #23-221 Authorizing Partial Payment #2 to Douglas-Kerr Underground, L.L.C. for Improvement Project #23-12; HY-10 Ramsey Improvements.

17. Adopt Resolution #23-222 approving a development agreement for Nolby BC LLC (dba Jam Hops).

18. ~~Adopt Resolution #23-223 approving the Haviland Fields EAW, Findings of Fact, and Record of Decision~~. **Please Note**: this Consent case was moved to the regular agenda - Case 7.4.

19. Adopt Resolution #23-225 Approving Partial Payment #1 to Landall Services for IP #23-10, Whispering Pines Estates Plat 3 Street Reconstructions.

20. Adopt Resolution #23-226 Approving Construction Contingency Expense No. 1 for Improvement Project #21-09, Centralized Water Treatment Plant

21. Adopt Resolution #23-231 Providing for the Sale of $8,640,000 General Obligation Bonds, Series 2023A

22. Adopt Resolution #23-232 Authorizing Partial Payment to Magney Construction, Inc. for Improvement Project #21-09, Centralized Water Treatment Plant

23. Adopt Resolution #23-233 Proclaiming October 2023 Domestic Violence Awareness Month

24. ~~Adopt Resolution #23-234 to Enter into a Residential Recycling Program Agreement with Anoka County~~ - **Please Note**: this Consent case was moved to the regular agenda - Case 7.5.

25. Adopt Resolution #23-236 Accepting Proposals and Awarding Contract for 2023 Additional Pavement Marking Improvements, Improvement Project #23-18

26. Adopt Resolution #23-237 Approving Plans and Specifications and Authorizing Advertisements for Bids for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements

27. Adopt Resolution #23-238 Approving Updated MnDOT Cooperative Construction Agreement #1052605 for Ramsey Gateway Highway 10 Improvements

28. Adopt Resolution #23-242 Authorizing Removal of Old Public Works Offices at 14100 Jasper St. NW

29. Adopt Resolution #23-243 Supporting the Anoka Rum River Dam Reconstruction and Modification Project Bonding Request

6. Public Hearing

1. Public Hearing: Adopt Resolution #23-227 Adopting Assessments for Past-Due Charges on Municipal Utility Bills and Current Services Rendered

7. Council Business

1. Adopt Resolution 23-228 Adopting Proposed 2024 Payable Tax Levies (General, Pavement Management, EDA and Debt Service) & Schedule Public Hearing for December 12, 2023; Adopt Resolution #23-229 Adopting Proposed 2024 General Fund Budget and Resolution #23-230 Adopting Proposed 2024 EDA Budget.

2. Adopt Resolution #23-215 Approving Abatement Proceedings and Further Administrative Court Action for Removal of a Hazardous Building located at 15740 Ramsey Blvd.

3. Adopt Ordinance #23-08 to Amend Chapter 4 of the Charter - Nominations and Elections

4. Adopt Resolution #23-223 approving the Haviland Fields EAW, Findings of Fact, and Record of Decision. - **Please Note:** this case was moved from the Consent Agenda - Case 5.18 - to the regular agenda - Case 7.4.

5. Adopt Resolution #23-234 to Enter into a Residential Recycling Program Agreement with Anoka County - **Please Note:** this case was moved from the Consent Agenda - Case 5.24 - to the regular agenda - Case 7.5.

8. Mayor/Council/Staff Input

9. Adjournment

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Proclamation Declaring October 2023 as *Domestic Violence Awareness Month*

Purpose/Background:

Purpose: To proclaim October 2023 as *Domestic Violence Awareness Month*.

Background: At the request of the Alexandra House, and the Purple Lights Initiative, the City Council will consider a resolution on their Consent Agenda this evening proclaiming October 2023 Domestic Violence Awareness Month. The City will be lighting portions of the City Municipal Center with purple lights to help raise awareness of October as Domestic Violence Awareness Month.

The attached proclamation will be read at this time.

Monica Elicerio, an Alexandra House Board Member, will share a brief presentation about Domestic Violence Awareness Month and accept the proclamation.

Attachments

Proclamation b

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:12 AM
Form Started By: Katie Schmidt		Started On: 09/19/2023 10:40 AM
Final Approval Date: 09/21/2023		

Proclamation Resolution

October of 2023 is proclaimed as

Domestic Violence Awareness Month

WHEREAS, the community problem of domestic violence has become a critical public health and welfare concern in Anoka County; and

WHEREAS, domestic violence is a crime, the commission of which will not be tolerated in Anoka County and perpetrators of said crime are subject to prosecution and conviction in accordance with the law; and

WHEREAS, over thousands of women, men and children have and will continue to access assistance from Alexandra House, Inc., a domestic violence service provider; and

WHEREAS, domestic violence will be eliminated through community partnerships of concerned individuals and organizations working together to prevent abuse while at the same time effecting social and legal change; and

WHEREAS, October is ***National Domestic Violence Awareness Month****;* and

WHEREAS, during ***National Domestic Violence Awareness Month****,* Anoka County organizations will inform area residents about domestic violence, its prevalence, consequences and what we, as a concerned community can do to eliminate its existence.

NOW THEREFORE, BE IT RESOLVED AND KNOWN TO ALL, that the City of Ramsey proclaims October to be Domestic Violence Awareness Month on this the 26th day of September, 2023.

_____

Mayor

ATTEST:

_____

City Clerk

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Oath of Office - Patrol Officer

Purpose/Background:

Patrol Officer Andrew DeVine was hired in March 2023. Officer DeVine has completed his field training program and is now on patrol for the City of Ramsey. Mayor Kuzma will issue Officer DeVine the Oath of Office.

Recommendation:

Outcome/Action:

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Jeff Katers	Jeff Katers	08/30/2023 09:10 AM
Brian Hagen	Brian Hagen	09/07/2023 01:40 PM
Form Started By: Tim Frankfurth		Started On: 08/30/2023 08:21 AM
Final Approval Date: 09/07/2023		

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Enhance City's communication through transparency and accountability.

Information

Title:

Approve the Following Meeting Minutes:

1. City Council Work Session dated 9/12/2023
2. City Council Regular Session dated 9/12/2023

Purpose/Background:

Purpose: The purpose of this case is for Council review and approval of meeting minutes.

Background: Attached are the meeting minutes referenced above.

Recommendation:

Approve the meeting minutes.

Outcome/Action:

Motion to approve the following Council meeting minutes:

1. City Council Work Session dated 9/12/2023
2. City Council Regular Session dated 9/12/2023

Attachments

9-12-23 CCWS

9-12-23 Meeting

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 03:52 PM
Form Started By: Katie Schmidt		Started On: 09/21/2023 02:25 PM
Final Approval Date: 09/21/2023		

CITY COUNCIL WORK SESSION
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey City Council conducted a City Council Work Session on Tuesday, September 12, 2023, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Mayor Mark Kuzma
Councilmember Chelsee Howell
Councilmember Debra Musgrove
Councilmember Michael Olson
Councilmember Chris Riley
Councilmember Dan Specht
Councilmember Matt Woestehoff

Also Present: City Administrator Brian Hagen
City Engineer/Public Works Director Bruce Westby
Finance Director Diana Lund
Fire Chief Matt Kohner
Police Chief Jeff Katers
Parks and Assistant Public Works Director Mark Riverblood
Administrative Services Director Colleen Lasher
Planning Manager Todd Larson
City Attorney Fritz Knaak
Community Development Director Stephanie Hanson (attended remotely)
Street Supervisor Shane Turner

1. CALL TO ORDER

Mayor Kuzma called the City Council Work Session to order at 5:30 p.m.

2. TOPICS FOR DISCUSSION

2.01: Final 2024 Budget/Levy Review Before Preliminary Adoption on 9-26-23

Finance Director Lund reviewed the Staff report and reviewed the updates to the 2024 budget and levy based on the last discussions of the Council. She discussed each of the capital equipment items requested, starting with the switches in all of the municipal buildings.

Councilmember Musgrove asked if the requested Chevy Equinox has been removed from the list.

Finance Director Lund said yes and explained that this was for the rental inspector and since this role will be starting at the middle of the year they can use another existing vehicle for the remainder of the year.

Mayor Kuzma asked if the switches have a safety feature to them.

Councilmember Woestehoff explained that these are core networking switches that provide ethernet everywhere. He noted that the price seems a little high. He asked if these will be supported by LOGIS or if it will be supported by the internal team.

Finance Director Lund said it would be LOGIS.

Councilmember Musgrove asked when LOGIS does this if they get a bulk price for these switches.

Finance Director Lund explained that LOGIS gets a government contract bid and they bid out everything at the beginning of the year which saves the City from having to go through the bidding on their own.

Councilmember Musgrove asked why the price of this was high.

Finance Director Lund noted that this price is an estimate.

Councilmember Woestehoff clarified that when he said the price was high, he did not mean that it was higher than average for these items, it is just high in terms of dollars. He added that this price also likely included seven years of licensing.

Councilmember Musgrove asked if licensing is paid for separately.

Councilmember Woestehoff stated that it depends on how this is set up.

Finance Director Lund added that licensing is normally under the maintenance department.

Councilmember Woestehoff noted that the Governor's Cybersecurity Task Force just came out with their report and there may be some grants available for similar things in the future.

The Council was in agreement with moving forward with the switches.

Finance Director Lund reviewed the items requested for the government buildings.

Councilmember Musgrove asked about the retaining wall and if they discussed pausing this project for this year.

City Engineer/Public Works Director Westby explained that the retaining wall is in poor condition and that they had $75,000 estimated for the cost before and now the estimate is higher than this due to the condition of the wall. He shared that the thought is to take a deeper dive and look at this to see what would be the best way to repair the wall.

Councilmember Specht stated that he likes the item of a shorter and more basic wall as it will likely result in less maintenance over time.

Councilmember Woestehoff asked if this should still be considered in this year's budget.

City Engineer/Public Works Director Westby noted that they would prefer to leave this item on the budget for this year and they can start looking into this and getting some designs and ideas of how much this would cost.

Councilmember Musgrove asked why the funding sources for these items are listed but there is no dollar amount.

Finance Director Lund explained that this means that there is enough money in these funds to cover the whole cost.

The Council was in agreement with moving forward with the government building requests.

Finance Director Lund reviewed the requests from the Police Department. She noted that these will all be covered by the 2023 legislative dollars.

Mayor Kuzma asked if the requested hybrid vehicle will be all electric or gas and electric.

Police Chief Katers stated that this would be gas and electric and added that the Police Department does not have any all electric vehicles. He noted that there has been about a 20% increase in the cost of vehicles, even on the State contract. He stated that they are ordering vehicles this week and hope to have the vehicles delivered in 2024. He added that the vehicles will no longer be sedans.

Mayor Kuzma asked how many miles are put on squad cars in a year.

Police Chief Katers explained that it depends on the officer and noted that they switch out vehicles after 12 hours. He stated that they put around 30,000-40,000 on the vehicles every year.

Councilmember Musgrove asked how many vehicles the department is yet to receive for 2023.

Police Chief Katers stated that there are two more vehicles that they are waiting to receive for 2023.

The Council was in agreement with moving forward with the Police Department requests.

Finance Director Lund reviewed the Fire Department requests. She added that these items will also be funded with the 2023 legislative dollars.

Mayor Kuzma asked if they will be able to sell the old tanker.

Fire Chief Kohner stated that the old tanker will be sold.

Mayor Kuzma asked when they should get the new tanker.

Fire Chief Kohner stated that they would hopefully get this next year.

The Council was in agreement with moving forward with the Fire Department requests.

Finance Director Lund reviewed the civil defense request for two sirens. She noted that this is the continuation of replacing two sirens every year. She reviewed the engineering requests, including the new GMC Sierra which has previously been approved, as well as replacing some survey equipment.

Councilmember Riley asked if there are people qualified to use the survey equipment.

City Engineer/Public Works Director Westby stated that they have people qualified to use it. He noted that they use it for miscellaneous work.

Councilmember Olson asked about what the survey equipment will be replaced with.

City Engineer/Public Works Director Westby stated that it would be the same package, just newer equipment.

Councilmember Woestehoff asked about the sirens. He asked if only two have been replaced and if they still have 12 more to go.

Fire Chief Kohner explained that there are a total of 17 sirens that need to be replaced.

Councilmember Woestehoff asked if there are more funds from the 2023 legislative session that could allow them to add two more sirens to this year's budget.

Finance Director Lund noted that the funds, with the exception of around $50,000 has already been set aside. She noted that there is also required training that needs to be paid for.

Fire Chief Kohner added that he asked that they reserve some of the public safety funding for mental health and PTSD training requirements that the State has not yet given, but will need to be complied with.

The Council was in agreement with moving forward with the civil defense and engineering requests.

Finance Director Lund reviewed the Public Works requests.

Councilmember Riley asked if they have removed the replacement items from the budget.

Street Supervisor Turner said yes and explained that this will be moved to the 2029-2030 timeframe.

Finance Director Lund discussed the requested F550 4x4 dump and plow truck.

Mayor Kuzma asked if this was a smaller truck for the cul-de-sacs.

Street Supervisor Turner said yes.

Mayor Kuzma asked if this would be in addition to what the City currently has or if it would replace a vehicle.

Street Supervisor Turner stated that this would be an additional vehicle due to the increase in roundabouts and cul-de-sacs in the City. He noted that this vehicle could also stay available for slick roads in the middle of the night.

Councilmember Woestehoff asked if the City already has a trailer mounted boom lift.

Street Supervisor Turner stated that the City does not currently have a trailer mounted boom lift. He noted that this would be used for tree trimming as well as tree decorating. He stated that they are currently using a front end loader for these things; however, sometimes the front end loader does not give them the height that they need.

Councilmember Musgrove asked if this would be used for the right-of-way clearing as well as an area on the bridge between Ramsey and Nowthen.

Street Supervisor Turner said yes and explained that they cannot reach some of these things safely to trim the trees.

Councilmember Musgrove asked if this would also be able to be used on trails.

Street Supervisor Turner said yes.

Mayor Kuzma asked if the new scissor lift is a replacement of an existing lift.

Street Supervisor Turner said it is not a replacement as they do not currently have one in their Public Works facility. He explained that they have contractors they pay to come in when they need a scissor lift. He noted that this lift would also help assist with the garage doors if there were ever any issues with them.

Councilmember Riley asked if the scissor lift and the trailer mounted boom lift can do the same thing.

Street Supervisor Turner explained that the two have different functions. He noted that the scissor lift is battery operated and rechargeable while the boom lift is powered by gas or electric.

Councilmember Musgrove asked what height the scissor lift is able to reach.

Street Supervisor Turner stated that the scissor lift could reach up to 25-30 feet.

Councilmember Woestehoff asked if they needed the lift at City Hall if there was a way to transport it.

Street Supervisor Turner said yes. He explained that they rented one last year for Public Works that was also needed by the Fire Department.

Councilmember Howell asked how often the City has to rent a lift currently.

Street Supervisor Turner stated that since the building is currently pretty new it is not needed extremely often; however, they do run into these issues. He added, from a safety standpoint, OSHA would prefer they use a scissor lift.

Councilmember Riley stated that there are a lot of new items requested from Public Works, as well as new personnel requested. He shared that he hopes the requests from Public Works are less in the coming years.

Parks and Assistant Public Works Director Riverblood said it will be less in the future as these requests have been spread out. He noted that part of this issue in the past is that they did not have the space to store these types of items, so now that they have a larger facility, they are able to store them in-house.

The Council was in agreement with moving forward with the Public Works requests.

Finance Director Lund reviewed the Parks and Recreation Department requests.

Mayor Kuzma asked if the Bobcat wheel loader with blower is used to clear the trails.

Parks and Assistant Public Works Director Riverblood said yes.

Councilmember Riley asked about the F550 plow that is being requested for Parks and asked how it is different than the other one that is being requested.

Street Supervisor Turner explained that this request is for the same type of truck; however, with the current staffing they do not have enough trucks for their daily work assignments which is part of the reason for this new truck request. He stated that neither the Parks or Streets Departments have enough vehicles for all Staff.

Councilmember Woestehoff asked about the price difference and useful life difference for the F550 being requested for Parks and the same truck being requested for Public Works.

Street Supervisor Turner stated that there is a reason that the prices are different. He noted that there is a lift gate on the back of the more expensive truck.

Councilmember Musgrove asked about if they are replacing the 2009 pickup truck and still keeping that older truck in case there is a need for it due to not having enough vehicles.

Street Supervisor Turner explained that a lot of replaced vehicles are being kept to help with having enough vehicles.

Councilmember Specht stated that less mowing was needed to be done this year due to the drought. He asked if this affects the lifespan of the mowers or if they still require a lot of maintenance.

Street Supervisor Turner explained that once these mowers get past the five year cycle they start having a lot of issues with them. He noted that these lawn mowers are being used every day throughout the summer months.

Councilmember Woestehoff asked how the trackless snowblower is different from using the Bobcat loader with blower.

Street Supervisor Turner stated that the trackless snowblower is specifically for sidewalks.

The Council was in agreement with moving forward with the Parks and Recreation requests.

Councilmember Woestehoff asked if the trailer mounted boom lift will be used for street lights.

Street Supervisor Turner explained that they do not get into maintaining the street lights as they contract with Connexus for this. He added that they do get requests for the street lights being blown open which is something that they would snap shut.

Councilmember Woestehoff asked if the enterprise fund could pay for some of this if it is being used for utilities.

Finance Director Lund asked if the trailer mounted boom lift could also be used to put up Christmas lights instead of having to hire this out.

Street Supervisor Turner said yes.

Finance Director Lund reviewed the final budget and levy, with an 11.22% overall levy increase. She noted that the capital costs are subject to move and decrease.

Mayor Kuzma asked when they need to lock in these numbers.

Finance Director Lund said by September 26, 2023. She noted that this budget and tax levy will be what is presented at the September 26 meeting and these will also be the numbers that go to the County.

There was a consensus of the Council to move forward with the 2024 budget and tax levy.

2.02: Discussion of Ordinance #23-15 Tobacco and Cannabis Use Within Public Property and Public Places

City Administrator Hagen reviewed the Staff report in regard to the ordinance for tobacco and cannabis use in public places. He noted the updates that have been made since the Council first discussed this at an earlier meeting.

Mayor Kuzma noted that these updates clean up the language to make it more clear.

Councilmember Woestehoff asked about the exceptions when driving under Section B of the tobacco regulations and asked if this also applies to cannabis products.

City Administrator Hagen stated that they can add cannabis to this.

Councilmember Riley asked if cannabis is allowed while driving.

City Administrator Hagen stated that the State prohibits it.

Councilmember Riley asked if it is prohibited by the State why it would be allowed in the City.

City Administrator Hagen noted that if they add cannabis to this it is redundant to State law and State law would supersede this.

Councilmember Howell asked if this new regulation would mean that someone could be ticketed for smoking tobacco in the City Hall parking lot.

City Administrator Hagen said yes.

Councilmember Howell noted that this seems a little petty.

Councilmember Specht stated that he has seen people smoking near the apartments down the road from City Hall and if they walk on the sidewalk towards City Hall they could then be in violation. He noted that this seems excessive and not necessary. He recommended the law specifically addressing City parks rather than all City land.

Councilmember Olson asked if tobacco use is currently handled under a policy as opposed to a law.

City Administrator Hagen stated that there is a statement within the Facility Use policy that addresses tobacco. He noted that this is not enforceable from a criminal aspect; however, if it falls within an ordinance it could be enforced.

Councilmember Olson asked if current policy addresses sidewalks and public spaces.

Parks and Assistant Public Works Director Riverblood stated that this has been posted in parks, rental facilities, and warming houses.

Councilmember Olson asked if this complies with the Indoor Clean Air Act within buildings. He asked if there is anything that addresses outdoor use.

City Administrator Hagen stated that they do not have anything that addresses outdoor use in the form of an ordinance or policy.

Councilmember Woestehoff stated that if someone was renting one of the open-air structures in the parks then it would be subject to the rental agreement.

Councilmember Olson asked if there is a policy that prohibits tobacco use in the public areas, such as at the DRAW during the summer concerts.

Parks and Assistant Public Works Director Riverblood explained that there may be a policy that was adopted through a resolution accepting the no tobacco use signs from the Anoka County Health Department somewhere in the 1990s. He noted that since then additional no tobacco use signs have been placed. He stated that he is not sure where the written policy is. He added that there are these signs at the DRAW.

Councilmember Olson stated that it seems heavy handed to put all of this in the ordinances as it could result in discretionary enforcement.

Councilmember Specht noted that Police Chief Katers mentioned at the last meeting that tobacco use has not really been a problem.

Councilmember Howell added that if the discussion is for the inhalation of marijuana if this could be made more restrictive of an intoxicating vaporized smoked or aerosol product versus tobacco.

City Administrator Hagen stated that they can write this ordinance however the Council would like. He noted that they are addressing tobacco as the City does not currently have anything in place for tobacco which is very common amongst cities.

Mayor Kuzma recommended doing a policy on the cannabis only and leave tobacco smoking out of this discussion and the tobacco smoking could be revisited later if need be. He stated that if tobacco use is not currently a problem then it does not need to be fixed.

Councilmember Woestehoff stated that the Council needs to figure out what problem they are trying to solve. He shared his opinion on regulating smoking of cannabis or tobacco at parks, not necessarily parking lots. He noted that edibles and chewing tobacco do not bother him as they do not affect others like smoke does.

Councilmember Riley stated that tobacco has not been a problem; however, he thought it had been controlled since there are no smoking signs in parks. He stated that he would like to see the no smoking in parks put into an ordinance so that it can be enforced. He noted that they are trying to get ahead of the potential issues that cannabis may cause.

Mayor Kuzma shared that he does not like cigarette butts all over that make City areas look dirty.

Councilmember Specht agreed that smoking regardless of substance should be regulated in parks.

Councilmember Woestehoff also mentioned parking structures versus parking lots as parking structures are more of a contained environment where the smoke could stay. He asked if a parking structure has to comply with the Indoor Clean Air Act.

City Administrator Hagen stated that this is considered an open air structure.

Councilmember Howell agreed with Councilmember Woestehoff about parking structures.

Councilmember Specht asked if they can control the parking structure.

City Administrator Hagen stated the City does own it and that people do smoke in the structure.

Councilmember Olson asked if trails were considered part of the parks.

City Administrator Hagen shared that he is understanding Council's direction to be that smoking should be regulated in parks, open air spaces within the parks, and the parking structure, while not regulating on sidewalks and trails.

Councilmember Woestehoff stated that he sees this as regulating whatever is zoned as a park, so if the park includes trails, then it would also be regulated there.

Councilmember Specht said that he would only like smoking to be regulated at the parks themselves and not the trails. He asked if there have been complaints about smoking in the parking structure.

City Administrator Hagen explained that this ordinance would be addressed mainly on a complaint basis.

Police Chief Katers noted that this would be a petty misdemeanor so it is not an arrestable offense and has a $300 maximum fine. He added that the courts will set the amount and likely it will be pretty low. He reiterated that this would be regulated on a complaint only basis and they would not be out actively looking for noncompliance.

Councilmember Riley stated that the Council seems to be in agreement for regulating parks. He asked if there was interest in regulating smoking around City buildings on their grounds.

Councilmember Specht said he does not see a need for this.

Councilmember Woestehoff stated that a person visiting City Hall is no different than a person visiting a park and they should be treated the same. He noted that he would prefer to not have smoking on City building grounds.

Mayor Kuzma agreed with Councilmember Woestehoff.

Councilmember Olson asked if they are still tying tobacco and cannabis together.

Mayor Kuzma shared that he is understanding this as cannabis should not be in parks on any City properties. He noted that for smoking tobacco they seem okay with it being on trails and streets.

Councilmember Howell agreed with Mayor Kuzma. She added that cannabis has a strong smell and she would not like everyone in the community to be around this.

Councilmember Specht stated that he would like the cannabis regulation to be on all City property and just tobacco regulation in parks.

Mayor Kuzma stated that he would also like to see tobacco regulated on City property.

Councilmember Woestehoff added that he does not care about the use of edibles and chewing tobacco as it does not affect other people. He stated that his perspective on this is around smoking regardless of the substance.

City Administrator Hagen asked if the Council was in agreement about no cannabis smoking on City owned land.

The Council was in agreement.

City Administrator Hagen asked if the Council was in agreement that edibles do not need to be regulated.

The Council was in agreement.

City Administrator Hagen asked if the Council was in agreement about no smoking of tobacco in City parks.

The Council was in agreement.

City Administrator Hagen asked if the Council was in agreement about no smoking of tobacco on the grounds of City owned properties.

Councilmember Specht stated that he is not worried about this.

Councilmember Howell asked where vaping falls into this.

City Administrator Hagen stated that vaping falls under tobacco related products.

Councilmember Howell explained that down the road, vaping will likely be a much bigger problem than products that are smoked as the particles are much smaller so there is no way for someone to know what they just walked through.

Councilmember Woestehoff agreed and shared that when he thinks of smoking he includes vaping in this as it does affect other people. He asked if this would be easier to structure if they were able to define what smoking is regardless of the substance.

City Administrator Hagen added that an easier structure would be to just treat all of the substances the same. He asked if they would like to categorize vaping similar to cannabis and not allow them on City owned property.

Councilmember Specht asked how many feet from a building this would be regulated.

City Administrator Hagen stated that for cannabis and vaping it would be out to the property line.

Councilmember Woestehoff explained that from a public health perspective, it is known that tobacco is bad and he sees that it should be considered the same as cannabis and vaping and an exception should not be made for it.

Councilmember Howell asked if tobacco was around the City Hall property how close to the building would they be able to smoke.

City Administrator Hagen stated that it would be allowed on all grounds, right outside of City Hall.

Councilmember Howell asked if it would be a huge problem to only allow people to smoke in their vehicles when on City properties.

Councilmember Specht stated that he does not see an issue with someone walking down the sidewalk in front of City Hall smoking a cigarette. He shared that this is the reason he does not want to regulate smoking on all public property.

Councilmember Riley suggested including City property in the ordinance but not include the trails or sidewalks.

City Administrator Hagen asked if the Council was in agreement with not allowing smoking tobacco in parks and structures within the parks, but would be allowed on properties with City buildings outside of 15 feet from the building.

Councilmember Riley stated that he would like smoking tobacco to not be allowed at all on City property.

Councilmember Woestehoff agreed.

The council was in agreement on not allowing smoking tobacco on City properties.

Councilmember Olson asked if this is attempting to solve a problem that does not exist.

City Administrator Hagen stated that this has not been a huge issue because if it was then it would have come forward a lot earlier.

Councilmember Woestehoff shared that when he moved to Ramsey seven years ago, the number of smokers was one of the first things he noticed.

City Administrator Hagen asked for a consensus of tobacco smoking on trails.

The Council was in agreement to allow tobacco smoking on trails.

Councilmember Howell asked if people will be allowed to smoke in their vehicles in the parking lot of City owned buildings.

City Administrator Hagen stated that he currently understands this as not allowing it anywhere on the property, including in vehicles. He asked if they would like to exclude the parking lots.

Councilmember Howell stated that it seems excessive to regulate smoking in vehicles.

Councilmember Musgrove added that she does not see a problem with smoking tobacco in a private car in the parking lot.

Mayor Kuzma stated that if they have this ordinance, no one is going to make a complaint about someone smoking in their car.

Councilmember Specht noted that he still thinks it should just not be allowed within 15 feet of a building.

Councilmember Woestehoff said he would like this to stay as smoking tobacco is not allowed on City property.

Mayor Kuzma added that if they get a lot of complaints then this can be visited.

Councilmember Olson stated that it feels like they are getting too far into the specifics and making this a very complicated ordinance for something that does not seem to be a huge issue. He added that this is becoming complicated beyond reason.

City Administrator Hagen asked if the Council would like to see this at another work session or if they would like Staff to draft up an ordinance that does not allow cannabis or vaping on any City property, and smoking tobacco is not allowed in parks, structures within the parks, or on properties with City facilities.

Councilmember Musgrove suggested bringing this back to a work session.

The consensus of the Council was to bring this discussion back to a future work session.

3. TOPICS FOR FUTURE DISCUSSION

3.01: Review Future Topics/ Calendar

Noted.

4. MAYOR / COUNCIL / STAFF INPUT

Councilmember Specht shared that he would like to hear an update on the playground replacement policy.

Parks and Assistant Public Works Director Riverblood stated that the Parks and Recreation Commission met at Alpine park this summer and noted that this is the next park on the list to be replaced. He noted that the Commission requested that Staff ensure that Solstice Park and Riverbend Park do not creep up on the scoring list. He added that there are also repairs being done at Riverdale.

Finance Director Lund stated that she will be starting the Capital Improvement Plan. She asked if the Council liked the 10 year CIP or if they would like to go back to the five year CIP.

Mayor Kuzma shared that he finds the 10 year CIP helpful as they are able to see what other projects are coming up.

Councilmember Woestehoff added that he also sees the 10 year CIP as helpful in terms of roads.

Councilmember Specht agreed that the 10 year CIP is helpful.

Councilmember Musgrove agreed with the 10 year CIP. She mentioned the licensing issue that a resident brought forward in regard to the Game Fair to make sure that this would be discussed at a later work session.

Councilmember Riley stated that Ramsey turns 50 years old next year and asked if this should be put on as a work session item to discuss what the City would like to do to celebrate.

City Administrator Hagen gave an update on the State bonding money for the water treatment plant as well as an update on this project.

5. ADJOURNMENT

The Work Session of the City Council was adjourned at 6:58 p.m.

Respectfully submitted,

_____

Brian S. Hagen
City Administrator

ATTEST:

_____
Katie M. Schmidt
City Clerk

Drafted by Ava Rokosz
TimeSaver Off Site Secretarial, Inc.

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CITY COUNCIL
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey City Council conducted a regular meeting on Tuesday, September 12, 2023, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Mayor Mark Kuzma
Councilmember Chelsee Howell
Councilmember Debra Musgrove
Councilmember Michael Olson
Councilmember Chris Riley
Councilmember Dan Specht
Councilmember Matt Woestehoff

Members Absent: None

Also Present: City Administrator Brian Hagen
Planning Manager Todd Larson
City Attorney Kritz Knaak
Code Enforcement Officer Criag Swalchick

1. CALL TO ORDER

Mayor Kuzma called the regular meeting of the Ramsey City Council to order at 7:00 p.m., followed by the Pledge of Allegiance led by Mayor Kuzma.

2. PRESENTATION

2.01: Presentation Proclaiming September 17 - 23, 2023 as Constitution Week

Mayor Kuzma introduced Dawn Sieber with the Daughters of the American Revolution.

Ms. Sieber came forward and provided background information on Constitution Week.

Mayor Kuzma read the proclamation proclaiming September 17-23, 2023 as Constitution Week.

3. CITIZEN INPUT

None.

4. APPROVE AGENDA

Motion by Councilmember Riley, seconded by Councilmember Howell, to approve the agenda as presented.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Riley, Howell, Musgrove, Olson, Specht, and Woestehoff. Voting No: None.

5. CONSENT AGENDA

Councilmember Musgrove stated that she would like to pull case 5.12 concerning write-in votes.

Motion by Councilmember Musgrove, seconded by Councilmember Howell, to approve the following items on the Consent Agenda with the removal of case 5.12 and making it case 7.2:

5.01: Receive July 2023 Financial Reports - General Fund, EDA and Enterprise Funds
5.02: Receive Cash & Investments for Period Ending August 31, 2023
5.03: Note the Following Boards, Commissions, and Committee Meeting Minutes:
- Planning Commission Meeting Minutes Dated July 27, 2023
- Environmental Policy Board Meeting Minutes Dated June 12, 2023
- Economic Development Authority Meeting Minutes Dated July 13, 2023

5.04: Approve the Following Meeting Minutes:
1. City Council Work Session dated 8/22/2023
2. City Council Regular Session dated 8/22/2023

5.05: Approve Rental Licenses
5.06: Approval Business License
5.07: Authorization to Hire a Paid-on-call Firefighter
5.08: Adopt Resolution #23-212 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of August 17, 2023 through September 6, 2023.
5.09: Adopt Resolution #23-172 Approving MnDOT Cooperative Construction Agreement #1052605 for Ramsey Gateway Highway 10 Improvements
5:10: Adopt Resolution #23-175 Approving Site Plan for 14200 Limonite Street NW - Jam Hops
5:11: Adopt Resolution #23-183 Proclaiming September 17 - 23, 2023 as Constitution Week
5:12: ~~Adopt Resolution #23-204 for Counting Write-In Votes for Local Elective Office –~~ **Please Note: This case was pulled from Consent to become Case 7.2 on the Regular Agenda.**
5:13: Adopt Resolution #23-205 Declaring Costs to be Assessed and Calling for a Public Hearing on Proposed Assessment for Past-Due Charges on Municipal Utility Bills (which may include water, sewer, street lighting, recycling, storm water charges and penalties incurred) and Current Services Rendered.
5:14: Adopt Resolution #23-206 Approving First Amendment to Purchase Agreement for Portion of Outlot A, Ramsey Properties Addition; Centra Homes LLC
5:15: Adopt Resolution #23-207 Authorizing The Use of Anoka County Owned Highway Properties for Fire Department Training
5:16: Adopt Resolution #23-208 Authorizing Staff to Apply for ReLeaf Community Forestry Grant Funds to Assist with Managing Emerald Ash Borer Infested Trees and for Planting New Trees on Public Land

5:17: Adopt Resolution #23-210 Authorizing Partial Payment #1 to Magney Construction, Inc. for Improvement Project #21-09, Centralized Water Treatment Plant
5:18: Adopt Resolution #23-211 Authorizing Partial Payment #2 to Magney Construction for Improvement Project #21-09, Centralized Water Treatment Plant
5:19: Adopt Resolution #23-214 Supporting the Mayor's Proclamation of September 9, 2023 as Al and Betty Pearson Day

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Musgrove, Howell, Olson, Riley, Specht, and Woestehoff. Voting No: None.

6. PUBLIC HEARING

6.01: Public Hearing - Introduce Ordinance #23-08 to Amend Chapter 4 of the Charter - Nominations and Elections

Presentation

City Administrator Hagen reviewed the Staff report concerning the Charter amendments surrounding nominations and elections as it pertains to vacancies.

Councilmember Specht asked if the language clarified that the Council can only fill the seat if it was not able to be filled through an election.

City Administrator Hagen explained that section 4.5.4 states that if a special election has been called to fill the vacancy and no candidates file an affidavit of candidacy then the special election would be canceled and then the Council could appoint someone to the seat.

Public Hearing

Mayor Kuzma called the public hearing to order at 7:09 p.m.

Citizen Input

There was none.

Motion by Councilmember Riley, seconded by Councilmember Olson, to close the public hearing.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Riley, Olson, Howell, Musgrove, Specht, and Woestehoff. Voting No: None.

The public hearing was closed at 9:10 p.m.

Council Business

Motion by Councilmember Woestehoff, seconded by Councilmember Olson, to Introduce Ordinance #23-08 Amending Chapter 4 of the City Charter - Nominations and Elections.

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Riley	aye
Councilmember Howell	aye
Councilmember Olson	aye
Councilmember Woestehoff	aye
Councilmember Specht	aye
Mayor Kuzma	aye

Motion carried.

7. COUNCIL BUSINESS

7.01: Adopt Ordinance #23-16 Amendment to Chapter 16, Article XIV Rental Residential Dwelling Units

Planning Manager Larson reviewed the Staff report in regard to the proposed amendments to the Code for rental residential units. He gave an update from what was discussed at the last meeting.

Councilmember Musgrove asked about a statement in the purpose paragraph of ordinance which talks about the leasees are 'responsible to ensure that the citizens who occupy such rental units, as well as neighboring properties, may pursue the quiet enjoyment of the normal activities of life in surroundings that are safe, secure, and sanitary, free from noise, nuisances and annoyances, and free from unreasonable fears about safety of persons and property.' She asked about the part that addresses neighboring properties and if they are making the owner of the property responsible for everyone in the neighborhood being happy and safe. She stated that she can understand this within the dwelling unit; however, it seems too much for the rest of the neighborhood. She added that she is not sure if this should be included.

Planning Manager Larson explained that this is one of the strongest arguments for the rental licensing inspection program. He stated that a majority of the complaints received on rental properties are from people who live in the neighborhood. He noted that renters do not typically keep up with a home like a homeowner would. He stated that they do not want rental properties to negatively impact the rest of a neighborhood.

Councilmember Musgrove wondered if they are trying to make sure that the renter has more of a responsibility in the neighborhood than those others in the neighborhood.

Councilmember Woestehoff asked if they can change the word 'citizens' to the word 'renters.'

Planning Manager Larson said yes.

Councilmember Howell stated that she was more concerned with the fluidity or the subject nature of the language. She asked if there was a way to approach this from following the rules that are already in place.

Planning Manager Larson explained that when ordinances have a purpose statement it is typically more of the aspiration vision of what is trying to be achieved through the regulations. He stated that the purpose clause is not enforceable itself.

Councilmember Howell asked if they are differentiating this at all for a single-family rental that has multiple renters. She asked if there will be extra eyes kept on these properties.

Planning Manager Larson stated that the woman who came and spoke to the Council a few meetings ago was there for the zoning code and property use. He explained that this rental ordinance does not look at the types of structures. He noted that all rentals will be treated equally.

Councilmember Riley stated that he will be supporting this as it is an outgrowth of the City allowing apartment buildings to be built as well as addressing the growing number of single family homes throughout the City that are being rented out.

Councilmember Howell asked about short term rentals and if it covers AirBnBs.

Planning Manager Larson stated that a short term rental is anything less than 30 days., so it would cover AirBnBs and VRBOs.

Councilmember Howell shared that her concern with this is that there are people who may lease their home occasionally. She noted that a lot of the AirBnBs seem to be businesses. She stated that her concern is that they are being treated like all of the other rentals. She added that she would like to have more information brought back on what other cities are doing for these short term rentals to ensure that there are no micro-hotels that are popping up in residential neighborhoods.

Planning Manager Larson stated that a situation where people are renting out many rooms in their homes would be regulated under the Zoning Code. He noted that this ordinance has to do with the rental inspections and crime related issues. He noted that the discussion for these zoning items is scheduled at a future meeting.

Councilmember Musgrove asked if the home occupation portion of the Zoning Code will have some impact on the definition of a short term rental as far as an occupation.

Planning Manager Larson said no and explained that the Zoning Code does not address short term rentals as a home occupation.

Councilmember Musgrove asked if these short term rentals have different parameters than home occupation permits.

Planning Manager Larson said yes. He continued by discussing how the rental housing inspections will ensure that when anyone is occupying a home that is rented out they have a safe and clean place to be.

Councilmember Musgrove stated that she is concerned with how the neighbors feel about the traffic and changeover of new people coming in and out of short term rentals. She asked if these do not qualify as home occupations based on land use.

Planning Manager Larson said that was correct. He added that they are really not changing anything that has to do with the short term rentals other than that they will also be inspected as part of the rental licensing program.

Councilmember Howell asked if they were to put in very restrictive restrictions for short term rentals where they would address them.

Planning Manager Larson stated that they could revise the ordinance to delete all short term rentals and add a clause for a minimum lease term. He added that there are very short term rentals in town and noted that they do not get many complaints on these properties. He shared that HOAs and townhouse associations can further restrict this.

Code Enforcement Officer Swalchick explained the benefit of addressing short term rentals in the Code. He stated that when they do not regulate and address short term rentals they are still going to happen. He shared that in a previous city he worked for they did not permit short term rentals at all which made them very hard to regulate. He noted that having this address short term rentals requires that the property owners comply with certain regulations which gives the CIty the opportunity to identify the homes that are being rented as short term rentals, as well as the opportunity to inspect the homes for safety and security. He added that this also allows the City to ensure that the surrounding neighborhood is not affected by this short term rental. He stated that it also gives them the ability to revoke or suspend a license. He stressed the importance of having this in the Code. He recommended continuing to license these short term rentals.

Councilmember Howell agreed with Code Enforcement Officer Swalchick. She stated that she supports having regulations; however, she wonders about diving further into AirBnBs based on what other cities are doing throughout the country.

Councilmember Woestehoff stated that they should do more research on AirBnBs; however, by implementing this new policy it gives the City more data and feedback. He added that he does not see a reason to hold this item as it can always be amended later.

Motion by Councilmember Woestehoff, seconded by Councilmember Riley, to waive City Charter requirement that the ordinance be read outloud and adopt Ordinance #23-16 Amendment to Chapter 24, Article XIV Rental Residential Dwelling Units, with a change to verbiage in the purpose statement regarding the word ‘citizen’ to the word ‘renter.’

A roll call vote was performed:

Councilmember Musgrove aye
Councilmember Riley aye
Councilmember Howell aye
Councilmember Olson aye
Councilmember Woestehoff aye
Councilmember Specht aye
Mayor Kuzma aye

Motion carried.

7.02: Adopt Resolution #23-204 for Counting Write-In Votes for Local Elective Office - Please Note: this case was pulled from Consent 5.12 to become Case 7.2 on the Regular Agenda.

Councilmember Musgrove shared that she requested this item be removed from the Consent Agenda as she wanted to have more discussion on this. She asked if this would affect the Charter. She noted that she has not heard that counting votes has been an issue in the past. She stated that she is not sure what they would need to make this change to require that anyone who is written in on the ballot needs to have given notice to the City beforehand.

City Administrator Hagen requested that City Attorney Knaak looks into the Charter regulations to see if this needs to be run through the Charter. He explained that up until this year, Staff was required to count all write-in tallies, even if it is a vote that someone made in a joking manner. He noted that statute did address this for higher offices. He shared that this will help eliminate unnecessary steps on election night or the days following. He noted that this also can address someone who is running a write-in campaign but does not file their affidavit of candidacy.

Councilmember Woestehoff commented that the write-in candidate portion saying that they need to report to the election official has been law for a while now. He noted that the only thing that is changing is the ability to not have to count these votes.

Councilmember Musgrove stated that if someone is running a write-in campaign then there is no way that they could win if their votes would not be counted.

Councilmember Woestehoff said yes and added that if they did not provide notice to the election official then it would be an up for debate election based on the current statute.

City Attorney Knaak stated that this statute supersedes any requirement that the City may otherwise have. He noted that he would anticipate that most of the election process is at some level filtered through the Charter. He shared that the statute says that if the governing body of a statutory or home rules charter city adopts the resolution. He noted that this applies to both charter cities as well as statutory cities. He stated that if they decide to do this resolution then this resolution will supersede any contrary provision in the Charter.

Councilmember Riley noted that anytime there is an election there are tons of dates involved for all candidates. He stated that he does not see an issue with having a deadline to let the City know

that you would like to be a write-in candidate. He added that this makes sense to save Staff time. He stated that if Staff is suggesting that this would save them time and effort then he will support it.

Councilmember Musgrove asked if this needed to go through the Charter.

City Attorney Knaak reiterated that this supersedes anything in the Charter.

City Administrator Hagen stated that the Charter does have a section titled 'procedure at elections' which stated that Council can further regulate elections by ordinance.

Councilmember Woestehoff asked how much of an effort it takes to count write-in votes.

City Administrator Hagen said that he does not know as he has not yet worked an election in Ramsey. He explained that statute allows for charter cities to be able to either require the notice of a write-in individual or they could add on to this to say that even if the write-in individual tells the City that they want their name counted, unless they receive more votes than anyone else, their vote will not be counted.

Councilmember Olson stated that they would not know who got the lowest number of votes unless they counted them all.

City Administrator Hagen noted that the way that the results print out they get a result of how many write-in there are. He stated that if the number of write-ins are higher than the lower vote getter who is actually on the ballot, then they could go in and count the write-ins.

Councilmember Specht stated that he definitely would like to save Staff and election judges time; however, he thinks that every vote should count. He noted that he does not see this as a huge problem so he will not be supporting the change.

Councilmember Musgrove stated that if they apply this resolution then they should not even be looking at write-in votes as no one came forward to say that they wanted their votes counted.

City Administrator Hagen stated that if a write-in candidate receives the most votes in an election he is not sure if statute is clear on whether or not this person won the election if they did not notify the City ahead of time.

Councilmember Howell agreed with Councilmember Specht and stated that voting is a basic function and people pay taxes for a reason and if they want to write someone in on the ballot then they have every right to do so. She added that there are normally only 11,000 votes for a City Council office which is not that many votes to go through. She stated that she believes they should count every vote.

Mayor Kuzma asked if this resolution does not pass if the write-ins will continue to be counted.

City Administrator Hagen said yes.

The resolution failed due to a lack of motion.

8. MAYOR, COUNCIL AND STAFF INPUT

City Administrator Hagen announced upcoming meetings and events.

Councilmember Riley shared that Happy Days was a success and thanked all Staff who put effort into the event.

Councilmember Musgrove shared that the Parks and Recreation Commission will meet at the Hollow Park on Snowy Owl Street off of Riverdale Drive. She added that the roundabout at Alpine and Armstrong is now open. She thanked Staff for working on this project with the County.

Councilmember Specht encouraged everyone to check out the Anoka County Sheriff's Open House on September 21 at 4 p.m.

9. ADJOURNMENT

Motion by Councilmember Musgrove, seconded by Councilmember Howell, to adjourn the meeting.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Musgrove, Howell, Olson, Riley, Specht, and Woestehoff. Voting No: None.

The regular meeting of the City Council adjourned at 7:50 p.m.

Respectfully submitted,

_____
Brian S. Hagen
City Administrator

ATTEST:

_____
Katie M. Schmidt
City Clerk

Drafted by Ava Rokosz
TimeSaver Off Site Secretarial, Inc.

A recording of this meeting is available for viewing online at www.qctv.org <http://www.qctv.org>. Recordings are available for 36 months after the date of the meeting.

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title

Approve Rental Licenses

Purpose/Background:

The purpose of this case is to approve the rental license requests for 2023.
Background: Detached Single-Family Homes and Attached Single-Family Homes (townhomes, duplex. etc) are required to obtain a license (registration), but are not subject to inspections (unless the City has sufficient evidence of a violation of the City Code)
Multi-Family Units (apartments, condos, etc.) are subject to the license and inspection program as required by code.
License application requests are attached for Council approval.

Notification:

The Council approved the new Rental Ordinance, which will go into effect January 1, 2024. The current Rental Licenses are being processed with the old standards. These license holders will get a credit to go towards the new cost of next year's license.

Recommendation:

Staff recommends approval of License Applications.

Action:

Motion to approve Rental License Applications.

Attachments

September 2023

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:14 AM
Form Started By: Dana Verbeek		Started On: 09/20/2023 11:08 AM
Final Approval Date: 09/21/2023		

Report Name: License Report - License Types
Council Dates: 9/13/2023 to 9/30/2023
Status: Active, Inactive
License Type(s): Multi-Family Rental, Rental

City of Ramsey
License Report - License Types

Company	DBA	Complex_Name	Applicant	Location	Exp. Date	Council Date	Status
Multi-Family Rental							
Terrace Hill Partners, LLC		Terrace Hill Apartments	Granite City Real Estate	14320 Dysprosium St NW	9/8/2026	9/26/2023	I
					Multi-Family Rental License Count: 1		
Rental							
R. Ben Lapinski				6066 146th Ave NW	10/13/2026	9/26/2023	I
Radmila Osmanovic				7339 147th La NW	9/22/2026	9/26/2023	I
Radmila Osmanovic				7373 147th La NW	9/22/2026	9/26/2023	I
5654 Rental LLC				5654 154th Ct NW	9/22/2026	9/26/2023	I
5658 Rental LLC				5658 154th Ct NW	9/22/2026	9/26/2023	I
Amy McCulloch				14661 Cobalt St NW #35	9/8/2026	9/26/2023	I
Radmila Osmanovic				14730 Cobalt St NW #16	9/22/2026	9/26/2023	I
The Preserve at Ramsey			Mackenzie Butenhoff	14793 Olivine St NW	9/22/2026	9/26/2023	I
Connie Larson				14823 Olivine St NW	10/13/2026	9/26/2023	I
SLP Rental, LLC				14849 Olivine St NW 307	9/22/2026	9/26/2023	I
Cheryl Arigo				14584 Olivine Ter NW	9/22/2026	9/26/2023	I
Nita Morlock				14626 Olivine Ter NW	9/22/2026	9/26/2023	I
Olivine Rental LLC				14599 Olivine Way NW	9/22/2026	9/26/2023	I
Radmila Osmanovic				15361 Radium St NW	9/22/2026	9/26/2023	I
Ramsey Rental LLC				15345 Sodium St NW	9/22/2026	9/26/2023	I
Thaddeaus Harnois				14371 Tungsten Way NW	9/22/2026	9/26/2023	I
					Rental License Count: 16		
					Total Licenses: 17		

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Create a positive image for residential neighborhoods, business districts and key corridors.

Information

Title

Approve Business Licenses

Purpose/Background:

The purpose of this case is to obtain City Council approval of business license requests (not including Rental or BRC).

Background: Certain businesses or groups in the City of Ramsey are required to apply for a business license in addition to the Business Registration Certificate (BRC). Other businesses that may require a license, but are not required to have a BRC, may also be included in this approval. Those new license requests and/or renewals are attached for City Council approval.

Recommendation:

Staff recommends approval of business license applications contingent upon completion and approval of background checks or review by required city departments.

Action:

Motion to approve the attached business license applications contingent upon completion and approval of background checks or review by required city departments.

Attachments

Business License Applications

Form Review

Inbox	Reviewed By	Date
Sean Sullivan	Sean Sullivan	09/20/2023 01:14 PM
Brian Hagen	Brian Hagen	09/21/2023 11:11 AM
Form Started By: Wendy Schlueter		Started On: 09/19/2023 09:59 AM
Final Approval Date: 09/21/2023		

Report Name: License Report - License Types
Council Dates: 9/26/2023 to 9/26/2023
Status: Active, Inactive
License Type(s): 3.2 Beer Off-Sale, 3.2 Beer On-Sale Temporary, Amusement Center, Amusement Devices/Billiard Tables, Broker/Precious Metals Dealer, Business License-1st Year, Business License-Renewal, Garbage Haulers, Gasoline Sales, Liquor 2 A.M. Closing, Liquor Off-Sale, Liquor On-Sale, Liquor On-Sale Sunday, Mobile Food Unit–90 Days, Mobile Food Unit–Annual, Motor Vehicle Sales/Repair/Rentals, Pawnbroker, Second Hand Goods Dealer, Special Events, Temporary Amusement/Carnival/Circus, Temporary Intoxicating, Therapeutic Massage Establishment, Therapeutic Massage Therapist, Tobacco, Transient Merchant/Peddler/Solicitor, Wine Off-Sale, Wine On-Sale

City of Ramsey
License Report - License Types

Company	DBA	Complex_Name	Applicant	Location	Exp. Date	Council Date	Status
Special Events							
Affinity at Ramsey, LLC		Affinity - Fall Fest (Residents)	Ruth Thompson	14529 Willemite St NW	9/30/2023	9/26/2023	A
					Special Events License Count: 1		
Transient Merchant/Peddler/Solicitor							
Wright Family Custom LLC		Ramsey	Christopher W Wright		12/31/2023	9/26/2023	A
					Transient Merchant/Peddler/Solicitor License Count: 1		
					Total Licenses: 2		

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title

Approve Request to Declare Surplus Property

Purpose/Background:

Staff is requesting Council declare the following property surplus and authorize sale/disposal of same:
One 8ft tall server/networking rack.

The racking was at the former Public Works Utilities building. All of the equipment that used to be mounted has been decommissioned, and all networking lines to the building are no longer in use. The rack was removed and moved off site the week of 9/12/23.

Funding Source:

N/A

Recommendation:

Staff recommends Council declare the following item(s) as surplus and authorize sale/disposal of same:
One 8ft tall server/networking rack.

Action:

Motion to declare the above listed items as surplus and authorize sale/disposal of same:
One 8ft tall server/networking rack.

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Diana Lund	Diana Lund	09/13/2023 08:27 AM
Brian Hagen	Brian Hagen	09/14/2023 03:20 PM
Form Started By: Jason Fredrickson		Started On: 09/11/2023 04:02 PM
Final Approval Date: 09/14/2023		

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Strive for high organizational morale and employee retention

Information

Title

Authorization to Hire a Community Service Officer (CSO/LEPS)

Purpose/Background:

This position was discussed during the June 13, 2023 work session. It was explained that the structure of this C.S.O position would be new to the City. It is referred to as C.S.O./L.E.P.S. (Community Service Officer / Law Enforcement Program Student); it is essentially a long-term paid internship. The purpose of this position is to increase the likelihood of hiring future Police Officers that have worked in this role. C.S.O./L.E.P.S. employees must be enrolled in law enforcement schooling, as well as to provide evidence of continued schooling while employed as a C.S.O/L.E.P.S.; or have received a Post Eligibility letter, showing proof of meeting the requirements to become a sworn officer in Minnesota. The length of employment as a C.S.O./LEPS is limited to a maximum of five years, or one-year post eligibility, whichever comes first.

The primary objective of this position is to perform a variety of non-sworn law enforcement support duties in the Police Department. This position provides cost-effective public safety and superior customer service while performing regularly scheduled community service work, high priority unanticipated calls for service, public protection and crime prevention.

Human Resources staff proceeded with the recruitment process. Staff interviewed many candidates, including Ms. Stephanie Roberton, who was selected to advance in the recruitment process. The second position will be brought forward to the City Council after a candidate has been fully vetted.
Ms. Roberton completed the necessary pre-employment background checks and staff recommends her for the part-time CSO/LEPS position. Ms.Roberton will be subject to the AFSCME contract, the Personnel Policy and a 6-month probationary period.

Funding Source:

The funding for this position has been accounted for within the 2023 budget.

Recommendation:

To hire Ms. Stephanie Roberton as a part-time Community Service Officer, effective on or near October 2, 2023, at $22.38 per hour, which is step 1 of the 2023 wage scale,

Action:

Authorization to hire Ms. Stephanie Roberton as a part-time Community Service Officer, effective on or near October 2, 2023, at $22.38 per hour, which is step 1 of the 2023 wage scale,

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date

Brian Hagen	Brian Hagen	09/21/2023 10:34 AM
Form Started By: Colleen Lasher		Started On: 08/24/2023 03:12 PM
Final Approval Date: 09/21/2023		

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Strive for high organizational morale and employee retention

Information

Title

Authorization to Hire a Police Officer Filling a Current Vacancy in the Patrol Division

Purpose/Background:

The purpose of this case is to request the City Council to hire a Police Officer, backfilling a current Police Officer vacancy that was created when a Police Officer was promoted to Sergeant.

Human Resources conducted an internal and external recruitment. Mr. Bryce Ehlers met the necessary training and experience threshold and was invited to take part in the City's interview process, the physical agility fitness testing and the "shoot/don't shoot" video scenario activity. Staff selected Mr. Ehlers as a finalist to be advanced through the pre-employment background testing. At this time, Chief Katers is recommending Mr. Ehlers for the position of Police Officer with the City of Ramsey.

With the City Council's authorization, Mr. Ehlers will start as the City's newest Police Officer on or near October 2, 2023. Mr. Ehlers, as with all new Police Officers, will serve a 1-year probationary period and will be subject to the City's Personnel Policy and the LELS Patrol Labor Agreement.

Funding Source:

The funding required for this position is included in the 2023 budget and represents a saving over the previous employee in this role.

Recommendation:

To hire Mr. Bryce Ehlers as full-time Police Officer, effective on or near October 2, 2023 at $32.460 per hour, which is step 1 of the 2023 wage scale.

Action:

Motion to hire Mr. Bryce Ehlers as full-time Police Officer, effective on or near October 2, 2023 at $32.460 per hour, which is step 1 of the 2023 wage scale.

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:15 AM
Form Started By: Colleen Lasher		Started On: 09/20/2023 01:22 PM
Final Approval Date: 09/21/2023		

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title

Adopt Resolution #23-241 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of September 7, 2023 through September 20, 2023.

Purpose/Background:

Adopt Resolution #23-241 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of September 7, 2023 through September 20, 2023.

Recommendation:

Staff Recommends to Adopt Resolution #23-241 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of September 7, 2023 through September 20, 2023.

Action:

Motion to Adopt Resolution #23-241 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of September 7, 2023 through September 20, 2023.

Attachments

Bills List 9/26/2023

Resolution 23-241

Form Review

Inbox	Reviewed By	Date
Diana Lund	Diana Lund	09/21/2023 07:23 AM
Brian Hagen	Brian Hagen	09/21/2023 11:15 AM
Form Started By: Jennifer Morrison		Started On: 09/20/2023 02:46 PM
Final Approval Date: 09/21/2023		

RAMSEY CITY COUNCIL MEETING

9.26.23

BILLS LIST

DISBURSEMENTS TO BE APPROVED THIS MEETING:

DISBURSEMENT TYPE:		SUBMITTED FOR APPROVAL
Prepaids 9.7.23 - 9.20.23		$ 417,667.43
Accounts Payable 9.7.23 - 9.20.23		422,822.13
Payroll	9.15.23	247,352.93
Debt Service		
Pay Estimates- Projects		3,651,187.07
TOTAL SUBMITTED FOR APPROVAL THIS MEETING (Invoices Available for Reviewal)		**$ 4,739,029.56**

DISBURSEMENTS PREVIOUSLY APPROVED AND PAID:

	APPROVED PREVIOUS MTG	2023 Y.T.D.
PREPAIDS	$ 838,306.99	$ 7,619,791.53
PREPAID ADJUSTMENTS		
ACCOUNTS PAYABLE INVOICING	2,029,963.91	7,747,115.73
ACCT PAYABLE INVOICING ADJUSTMENTS		
NET PAYROLL TOTAL	468,208.40	4,138,409.90
CORRECTION TO PAYROLL		
DEBT SERVICE		333,437.50
CORRECTION TO DEBT SERVICE		
PAY ESTIMATE(S) - PROJECTS	1,483,607.40	4,392,194.78
TOTAL CASH DISBURSEMENTS PREVIOUSLY APPROVED	**$ 4,820,086.70**	**$ 24,230,949.44**

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Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
117396	**9/7/2023**		**114036 BIRDSEYE VENTURES DBA MAJESTIC EVENTS**							
		5,848.50	HD EVENT ITEMS		120802	O10702-1	0296.6249		MISCELLANEOUS OPERATING SUPPLY	HAPPY DAYS
		5,848.50								
117397	**9/7/2023**		**110734 CITY OF RAMSEY**							
		415.85	ACCT 726495		120785	09072023	9601.4651		WATER REVENUE	WATER FUND
		1,143.69	ACCT 719041		120785	09072023	9601.4651		WATER REVENUE	WATER FUND
		1,214.01	ACCT 719042		120785	09072023	9601.4651		WATER REVENUE	WATER FUND
		6,590.19	ACCT 690966320		120785	09072023	9601.4651		WATER REVENUE	WATER FUND
		9,363.74								
117398	**9/7/2023**		**100116 CONNEXUS ENERGY**							
		9,961.04	7/19-8/17/23 ELECTRIC		120787	759126-303101 AUG 2023	9603.6371		ELECTRIC UTILITIES	STREET LIGHTING FUND
		15,488.37	7/19-8/17/23 ELECTRIC		120788	759126-303107 AUG 2023	0194.6371		ELECTRIC UTILITIES	GENERAL GOVERNMENT BUILDINGS
		1,082.65	7/19-8/17/23 ELECTRIC		120788	759126-303107 AUG 2023	0220.6371		ELECTRIC UTILITIES	FIRE PROTECTION
		70.39	7/19-8/17/23 ELECTRIC		120788	759126-303107 AUG 2023	9230.6249		MISCELLANEOUS OPERATING SUPPLY	ECONOMIC DEVELOPMENT AUTHORIT
		2,920.89	7/19-8/17/23 ELECTRIC		120788	759126-303107 AUG 2023	9240.6371		ELECTRIC UTILITIES	PARKING RAMP MAINTENANCE
		29.00	7/19-8/17/23 ELECTRIC		120788	759126-303107 AUG 2023	9410.6371	00041018	ELECTRIC UTILITIES	RALF FUNDED PROJECTS
		835.13	7/19-8/17/23 ELECTRIC		120788	759126-303107 AUG 2023	9410.6371	00041012	ELECTRIC UTILITIES	RALF FUNDED PROJECTS
		22,172.60	ELECTRICITY WATER		120789	759126-303102 AUG 2023	9601.6371		ELECTRIC UTILITIES	WATER FUND
		1,141.19	ELECTRICITY SEWER		120789	759126-303102 AUG 2023	9602.6371		ELECTRIC UTILITIES	SEWER FUND
		194.65	ELECTRICITY STORM		120789	759126-303102 AUG 2023	9605.6371		ELECTRIC UTILITIES	STORM WATER UTILITY
		89.25	SIREN UTILITIES		120790	759126-303095 AUG 2023	0250.6371		ELECTRIC UTILITIES	CIVIL DEFENSE
		1,054.38	TRAFFIC SIGNALS		120791	759126-303100 AUG 2023	0260.6371		ELECTRIC UTILITIES	TRAFFIC ENGINEERING
		743.10	ELECTRICITY		120792	759126-303106 AUG 2023	0311.6371		ELECTRIC UTILITIES	STREET MAINTENANCE
		3,489.79	ELECTRICITY		120792	759126-303106 AUG 2023	0452.6371		ELECTRIC UTILITIES	PARK & RECREATION
		727.62	ELECTRICITY		120792	759126-303106	9601.6371		ELECTRIC UTILITIES	WATER FUND

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
117398	9/7/2023		100116 CONNEXUS ENERGY						Continued...	
						AUG 2023				
		727.62	ELECTRICITY		120792	759126-303106 AUG 2023	9602.6371		ELECTRIC UTILITIES	SEWER FUND
		727.62	ELECTRICITY		120792	759126-303106 AUG 2023	9605.6371		ELECTRIC UTILITIES	STORM WATER UTILITY
		61,455.29								
117399	9/7/2023		120354 KOPAYGORODSKIY, EDWARD							
		9.42	REF ESCROW BAL		120794	A118161	9804.6433	00118161	REFUNDS	ESCROW ACCOUNTS
		9.42								
117400	9/7/2023		118475 MICK STERLING PRESENTS LLC							
		7,500.00	HD BAND		120798	09012023	0296.6249		MISCELLANEOUS OPERATING SUPPLY	HAPPY DAYS
		7,500.00								
117401	9/7/2023		100678 PETTY CASH							
		630.00	CASH FOR HD BEAN BAG TOURNY		120786	09072023	0296.6249		MISCELLANEOUS OPERATING SUPPLY	HAPPY DAYS
		630.00								
117402	9/7/2023		120355 ROE, MARK							
		485.80	REF ESCROW BAL		120795	A118456	9804.6433	00118456	REFUNDS	ESCROW ACCOUNTS
		485.80								
117403	9/7/2023		107247 SHERBURNE COUNTY RECORDER							
		20.00	NOTARY COUNTY RECORDING FEE		120801	083123	9230.6315		MISCELLANEOUS PROFESSIONAL SE	RECONOMIC DEVELOPMENT AUTHORIT
		20.00								
117456	9/14/2023		100012 ACE SOLID WASTE INC							
		38,215.96	SEPT RECYCLING		120838	9568223T067 SEPT 2023	9604.6489		OTHER CONTRACTED SERVICES	RECYCLING FUND
		141.47	REFUSE/RECYCLING		120843	9573852T067 SEPT 2023	0220.6374		REFUSE/RECYCLING	FIRE PROTECTION
		104.20	WASTE SERVICES		120846	9568233T067 SEPT 2023	0311.6374		REFUSE/RECYCLING	STREET MAINTENANCE
		317.54	WASTE SERVICES		120846	9568233T067 SEPT 2023	0194.6374		REFUSE/RECYCLING	GENERAL GOVERNMENT BUILDINGS
		714.58	WASTE SERVICES		120846	9568233T067 SEPT 2023	0452.6374		REFUSE/RECYCLING	PARK & RECREATION
		104.20	WASTE SERVICES		120846	9568233T067 SEPT 2023	9601.6374		REFUSE/RECYCLING	WATER FUND

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
									Continued...	
117456	9/14/2023		100012 ACE SOLID WASTE INC							
		104.20	WASTE SERVICES		120846	9568233T067 SEPT 2023	9602.6374		REFUSE/RECYCLING	SEWER FUND
		633.78	WASTE SERVICES		120846	9568233T067 SEPT 2023	9604.6249		MISCELLANEOUS OPERATING SUPPLY	RECYCLING FUND
		104.20	WASTE SERVICES		120846	9568233T067 SEPT 2023	9605.6374		REFUSE/RECYCLING	STORM WATER UTILITY
		40,440.13								
117457	9/14/2023		120363 BIALICK, MIKE							
		450.00	HD 5K MEASURES & CERTS		120849	2023077	0296.6249		MISCELLANEOUS OPERATING SUPPLY	HAPPY DAYS
		450.00								
117458	9/14/2023		120364 CHB TITLE LLC							
		42.32	ACCT 734760 7108 139TH AVE		120805	09112023	9601.4651		WATER REVENUE	WATER FUND
		42.32								
117459	9/14/2023		110734 CITY OF RAMSEY							
		930.00	ACCT 718888 14842 OLIVINE ST		120836	09142023	9601.4651		WATER REVENUE	WATER FUND
		300.00	ACCT 733173 7270 BUNKER LAKE B		120836	09142023	9601.4651		WATER REVENUE	WATER FUND
		300.00	ACCT 719238 7266 149TH AVE		120836	09142023	9601.4651		WATER REVENUE	WATER FUND
		73.11	ACCT 734400 14920 CHAMELEON ST		120836	09142023	9601.4651		WATER REVENUE	WATER FUND
		190.00	ACCT 732987 14651 FLUORINE ST		120836	09142023	9601.4651		WATER REVENUE	WATER FUND
		250.00	ACCT 726171 13923 IRONSTONE TE		120836	09142023	9601.4651		WATER REVENUE	WATER FUND
		2,043.11								
117460	9/14/2023		120365 DEHN, FRANCIS ESTATE OF							
		209.70	ACCT 58514869 5843 ALPINE DR		120806	09112023	9601.4651		WATER REVENUE	WATER FUND
		209.70								
117461	9/14/2023		120366 DEMAIO, ANTHONY OR DANIELLE							
		290.01	ACCT 729735 14423 IODINE ST		120807	09112023	9601.4651		WATER REVENUE	WATER FUND
		290.01								
117462	9/14/2023		114049 EAGLE CREEK TITLE LLC							
		40.21	ACT 734745 6902 139TH LN APT 8		120808	09112023	9601.4651		WATER REVENUE	WATER FUND
		40.21								
117463	9/14/2023		114049 EAGLE CREEK TITLE LLC							
		429.20	ACCT 727270 15340 XKIMO ST		120809	09112023 A	9601.4651		WATER REVENUE	WATER FUND
		429.20								

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
117463	9/14/2023		114049 EAGLE CREEK TITLE LLC						Continued...	
117464	9/14/2023		119819 EXECUTIVE TITLE SERVICES							
		94.34	ACCT 719383 15370 IODINE ST		120810	09112023	9601.4651		WATER REVENUE	WATER FUND
		94.34								
117465	9/14/2023		120367 FDC MN LLC							
		187.16	ACCT 734746 14877 OLIVINE ST		120811	09112023	9601.4651		WATER REVENUE	WATER FUND
		187.16								
117466	9/14/2023		118143 FIRST AMERICAN TITLE INSURANCE CO							
		27.54	ACCT 49413958 16320 QUARTZ ST		120812	09112023	9601.4651		WATER REVENUE	WATER FUND
		27.54								
117467	9/14/2023		120368 GREAT NORTH TITLE							
		18.88	ACCT 45663583 6311 164TH LN		120813	09112023	9601.4651		WATER REVENUE	WATER FUND
		18.88								
117468	9/14/2023		120368 GREAT NORTH TITLE							
		261.47	ACCT 726713 16139 URANIMITE ST		120814	09112023 A	9601.4651		WATER REVENUE	WATER FUND
		261.47								
117469	9/14/2023		120358 HEARTH & HOME TECHNOLOGIES LLC							
		21.00	CANCELLED PERMIT RA055558		120839	09052023	9101.4214		ELECTRICAL INSPECTION PERMIT	GENERAL FUND
		21.00								
117470	9/14/2023		120369 JILLO, GUBAL OR HASSAN, YASSIN							
		57.90	ACCT 733823 15247 TIGER ST		120815	09112023	9601.4651		WATER REVENUE	WATER FUND
		57.90								
117471	9/14/2023		120370 JOLLY, ALEX OR CHINNU							
		64.59	ACCT 730910 14859 OLIVINE ST		120816	09112023	9601.4651		WATER REVENUE	WATER FUND
		64.59								
117472	9/14/2023		120371 KNIGHT BARRY TITLE UNITED LLC							
		83.51	ACCT 731748 14979 SNOWY OWL ST		120817	09112023	9601.4651		WATER REVENUE	WATER FUND
		83.51								
117473	9/14/2023		120372 KWAK, ANNA OR KRISTOPHER							
		142.12	ACCT 726029 14887 ZEOLITE ST		120818	09112023	9601.4651		WATER REVENUE	WATER FUND
		142.12								

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
117473	9/14/2023		120372 KWAK, ANNA OR KRISTOPHER						Continued...	
117474	9/14/2023		120373 MALONEY, TIFFANY M							
		371.94	ACCT 729496 14581 HELIUM CT		120819	09112023	9601.4651		WATER REVENUE	WATER FUND
		371.94								
117475	9/14/2023		120161 OLD REPUBLIC NATIONAL TITLE INSURANCE CO							
		30.57	ACCT 731313 14618 OLIVINE TERR		120820	09112023	9601.4651		WATER REVENUE	WATER FUND
		30.57								
117476	9/14/2023		117153 OS NATIONAL LLC							
		297.40	ACCT 31781348 14991 XKIMO ST		120821	09112023	9601.4651		WATER REVENUE	WATER FUND
		297.40								
117477	9/14/2023		100391 POSTMASTER							
		2,327.00	POSTAGE FALL REC. DAY PC		120850	09052023	9604.6249		MISCELLANEOUS OPERATING SUPPLY	RECYCLING FUND
		2,327.00								
117478	9/14/2023		120374 SORENSON, CURTIS OR KAREN							
		207.19	ACCT 501483 14347 WACO ST		120822	09112023	9601.4651		WATER REVENUE	WATER FUND
		207.19								
117479	9/14/2023		120375 STEPHENS, THOMAS P							
		197.35	ACCT 729646 15035 RABBIT ST		120823	09112023	9601.4651		WATER REVENUE	WATER FUND
		197.35								
117480	9/14/2023		113038 THE TITLE GROUP							
		120.17	ACCT 728116 7029 167TH LANE		120824	09112023	9601.4651		WATER REVENUE	WATER FUND
		120.17								
1005461	9/8/2023		119638 O'REILLY AUTO PARTS							
		22.00-	CORE RETURN		120799	6193-135693	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		2.78-	EARLY PAY DISCOUNT		120800	6193-135689	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		160.98	STAFF CAR #317		120800	6193-135689	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		.94-	EARLY PAY DISCOUNT		120803	6193-135788	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		46.79	TRK. #699		120803	6193-135788	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		182.05								
1005462	9/8/2023		111137 WRIGHT HENNEPIN COOPERATIVE ELECTRIC							
		28.95	POLICE SECURITY		120793	150-1682-6501 SEPT 2023	0211.6489		OTHER CONTRACTED SERVICES	POLICE PROTECTION

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
1005462	9/8/2023		111137 WRIGHT HENNEPIN COOPERATIVE ELECTRIC						Continued...	
		52.95	PW FIRE PANEL MONT/TEST		120796	15016814280 SEPT 2023	0311.6489		OTHER CONTRACTED SERVICES	STREET MAINTENANCE
		52.95	FS#2 FIRE PANEL MONIT		120796	15016814280 SEPT 2023	0220.6489		OTHER CONTRACTED SERVICES	FIRE PROTECTION
		36.90	7550 SUNWOOD MONITORING		120796	15016814280 SEPT 2023	0194.6489		OTHER CONTRACTED SERVICES	GENERAL GOVERNMENT BUILDINGS
		36.90	PW MONITORING		120796	15016814280 SEPT 2023	0311.6489		OTHER CONTRACTED SERVICES	STREET MAINTENANCE
		48.95	RAMP FIRE PANEL TEST/MONIT		120796	15016814280 SEPT 2023	9240.6315		MISCELLANEOUS PROFESSIONAL SER	PARKING RAMP MAINTENANCE
		27.95	YOUTH FIRST FIRE PANEL MONIT		120796	15016814280 SEPT 2023	9410.6315	00041012	MISCELLANEOUS PROFESSIONAL SER	RALF FUNDED PROJECTS
		27.95	C/H FIRE MONITORING		120797	150-1681-6340 SEPT 2023	0194.6489		OTHER CONTRACTED SERVICES	GENERAL GOVERNMENT BUILDINGS
		313.50								
1005515	9/15/2023		100291 MET COUNCIL SAC							
		77,035.00	SAC REMITTANCE		120837	09142023	9602.2083		SAC CHARGES	SEWER FUND
		770.35-	SAC REMITTANCE DISCOUNT		120837	09142023	9602.4356		SEWER AVAILABILITY CHARGE-ADM	SEWER FUND
		76,264.65								
1005516	9/15/2023		119638 O'REILLY AUTO PARTS							
		.72-	EARLY PAY DISCOUNT		120842	6193-136869	0220.6257		OTHER VEHICLE PARTS	FIRE PROTECTION
		35.98	DEF FLUID		120842	6193-136869	0220.6257		OTHER VEHICLE PARTS	FIRE PROTECTION
		2.32-	EARLY PAY DISCOUNT		120844	6193-136027	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		116.00	ENGINEERING #415		120844	6193-136027	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		3.00-	EARLY PAY DISCOUNT		120845	6193-136031	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		149.91	ENGINEERING #415		120845	6193-136031	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		.40-	EARLY PAY DISCOUNT		120847	6193-136660	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		19.82	POLICE #384		120847	6193-136660	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		149.91-	RETURN-FAN ASSEMBLY		120848	6193-136597	0311.6257		OTHER VEHICLE PARTS	STREET MAINTENANCE
		165.36								
1005517	9/15/2023		111488 POPP.COM INC							
		647.24	POPP COMM-CITY MONTHLY PHONE		120840	992799127	0192.6321		TELEPHONE	DATA PROCESSING
		149.76	POPP-RAMP-PHONE		120840	992799127	9240.6321		TELEPHONE	PARKING RAMP MAINTENANCE
		79.84	POPP-YOUTHFIRST-PHONE		120840	992799127	9410.6315	00041012	MISCELLANEOUS PROFESSIONAL SER	RALF FUNDED PROJECTS
		876.84								
1005518	9/15/2023		100510 VERIZON WIRELESS							

9/7/2023 – 9/20/2023

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
									Continued...	
1005518	9/15/2023		100510 VERIZON WIRELESS							
		45.04	DATA FOR LIFT STATION		120841	9943340172 AUG 2023	9602.6323		CELLULAR PHONES	SEWER FUND
		45.04								
1005519	9/19/2023		100257 LAW ENFORCEMENT LABOR SRV INC							
		945.00			120690	0830231558232	9101.2177		UNION DUES	GENERAL FUND
		945.00			120857	0914231434272	9101.2177		UNION DUES	GENERAL FUND
		1,890.00								
1005520	9/19/2023		100298 MN AFSCME COUNCIL 5							
		447.20			120691	0830231558233	9101.2177		UNION DUES	GENERAL FUND
		447.20			120858	0914231434273	9101.2177		UNION DUES	GENERAL FUND
		894.40								
98091523	9/15/2023		115568 ALERUS FINANCIAL NA							
		7,189.63			120856	09142314342714	9101.2176		LIFE/HEALTH-EMPLOYEE	GENERAL FUND
		7,189.63								
98091923	9/19/2023		100629 MN DEPT OF REV SALES TX							
		181.69	AUG 2023 SALES/TRANS/USE TAX		121018	09192023	9101.4305		RENTAL FEES	GENERAL FUND
		1.85	AUG 2023 SALES/TRANS/USE TAX		121018	09192023	9101.4328		ACCIDENT REPORTS	GENERAL FUND
		2.85	AUG 2023 SALES/TRANS/USE TAX		121018	09192023	9101.4308		SALES OF MAPS & PUBLICATIONS	GENERAL FUND
		.13	AUG 2023 SALES/TRANS/USE TAX		121018	09192023	9101.4609		OTHER MISCELLANEOUS REVENUES	GENERAL FUND
		870.48	AUG 2023 SALES/TRANS/USE TAX		121018	09192023	9601.2082		SALES/USE TAX PAYABLE	WATER FUND
		1,057.00								
99054059	9/15/2023		114790 GREAT WEST LIFE AND ANNUITY INS CO							
		14,130.74			120854	09142314342712	9101.2175		DEFERRED COMPENSATION	GENERAL FUND
		14,130.74								
99091123	9/11/2023		107885 DEPARTMENT OF LABOR AND INDUSTRY							
		5,539.26	AUG 2023 SURCHARGE REMITTANCE		120804	09112023	9101.2081		SURCHARGES-PERMITS	GENERAL FUND
		111.77-	AUG 2023 SURCH RETENTION		120804	09112023	9101.4604		SURCHARGES	GENERAL FUND
		5,427.49								
99091523	9/15/2023		107962 TOTAL ADMINISTRATIVE SERV (DO NOT USE)							
		905.00			120853	09142314342711	9101.2176		LIFE/HEALTH-EMPLOYEE	GENERAL FUND
		905.00								
99091823	9/18/2023		108768 COMDATA NETWORK INC							

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
99091823	9/18/2023		108768 COMDATA NETWORK INC						Continued...	
		131.50	08/08/23 GRUBHUB CC MEALS		120987	AUG 2023 SCHMITZ	0111.6249		MISCELLANEOUS OPERATING SUPPLY	MAYOR AND COUNCIL
		88.40	08/22/23 DOOR DASH CC MEALS		120987	AUG 2023 SCHMITZ	0111.6249		MISCELLANEOUS OPERATING SUPPLY	MAYOR AND COUNCIL
		41.00	990 ONLINE 2022 - 990 REPORT		120988	AUG 2023 LUND	0220.6302		AUDITING & ACCOUNTING SERVICES	FIRE PROTECTION
		75.00	TLO TRANSUNION - ONLINE INVEST		120989	AUG 2023 FRANKFURTH	0211.6315		MISCELLANEOUS PROFESSIONAL SER	POLICE PROTECTION
		1.94	MN POST BOARD - LICENSE		120989	AUG 2023 FRANKFURTH	0211.6451		MEMBERSHIP DUES	POLICE PROTECTION
		90.00	MN POST BOARD - LICENSE		120989	AUG 2023 FRANKFURTH	0211.6451		MEMBERSHIP DUES	POLICE PROTECTION
		268.56	MAMA DELUCA - PIZZA		120989	AUG 2023 FRANKFURTH	0280.6241		COMMUNITY POLICING SUPPLIES	COMMUNITY ORIENTING POLICING
		22.64	FEDEX - MAP LAMINATION		120989	AUG 2023 FRANKFURTH	0211.6315		MISCELLANEOUS PROFESSIONAL SER	POLICE PROTECTION
		1.76	ANOKA COUNTY - VEHICLE TITLE		120989	AUG 2023 FRANKFURTH	0243.6249		MISCELLANEOUS OPERATING SUPPLY	IMPOUND LOT MAINTENANCE
		70.50	ANOKA COUNTY - VEHICLE TITLE		120989	AUG 2023 FRANKFURTH	0243.6249		MISCELLANEOUS OPERATING SUPPLY	IMPOUND LOT MAINTENANCE
		94.55	BILLS SUPERETTE-GASOLINE		120990	AUG 2023 BERGE	0452.6223		GASOLINE	PARK & RECREATION
		269.98	TRACTOR SUPPLY-FAN/HAND TRUCK		120991	AUG 2023 BYRON	0452.6281		SMALL TOOLS & MINOR EQUIPMENT	PARK & RECREATION
		2,257.98	NEWEGG-LAPTOPS (2)		120992	AUG 2023 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR EQUIPMENT	DATA PROCESSING
		2,257.98	NEWEGG-LAPTOPS (2)		120992	AUG 2023 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR EQUIPMENT	DATA PROCESSING
		1,128.99	NEWEGG-LAPTOP		120992	AUG 2023 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR EQUIPMENT	DATA PROCESSING
		899.97	NEWEGG-PC REPLACEMENT		120992	AUG 2023 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR EQUIPMENT	DATA PROCESSING
		38.58	NEWEGG-VIDEO CABLES		120992	AUG 2023 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR EQUIPMENT	DATA PROCESSING
		3.86	NEWEGG-FREIGHT		120992	AUG 2023 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR EQUIPMENT	DATA PROCESSING
		207.99	NEWEGG-LAPTOP DOCK		120992	AUG 2023 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR EQUIPMENT	DATA PROCESSING
		749.99	NEWEGG-PC REPLACEMENT		120992	AUG 2023 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR EQUIPMENT	DATA PROCESSING
		175.50	VARI-FLOOR MATS/STANDING MATS		120992	AUG 2023 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR EQUIPMENT	DATA PROCESSING

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
99091823	9/18/2023		108768 COMDATA NETWORK INC						Continued...	
		109.00	AM PLANNING ASSN - DUES MARTIN		120993	AUG 2023 LARSON	0191.6451		MEMBERSHIP DUES	PLANNING & ZONING
		125.00	MAHCO TRAINING - SWALCHICK		120993	AUG 2023 LARSON	0191.6335		TRAINING	PLANNING & ZONING
		434.13	APA MN CHAPTER - MARTIN CONF		120993	AUG 2023 LARSON	0191.6335		TRAINING	PLANNING & ZONING
		434.13	APA MN CHAPTER - LARSON CONF		120993	AUG 2023 LARSON	0191.6335		TRAINING	PLANNING & ZONING
		165.00	FIRE MARSHAL ASSCN - TRAINING		120994	AUG 2023 SCHIFERLI	0220.6335		TRAINING	FIRE PROTECTION
		400.62	GASOLINE FUEL		120995	AUG 2023 FIRE FUEL	0220.6223		GASOLINE	FIRE PROTECTION
		306.40	DTF SQUAD FUEL GAS		120996	AUG 2023 PD FUEL	0211.6223		GASOLINE	POLICE PROTECTION
		50.58	HOLIDAY-NEW SQUAD 323 GAS		120997	AUG 2023 CURTIS	0211.6223		GASOLINE	POLICE PROTECTION
		487.20	AXON-TASER BATTERIES		120998	AUG 2023 WEBB	0211.6233		BATTERIES EQUIP	POLICE PROTECTION
		513.70	AXON-BWC MOLLE MOUNTS		120998	AUG 2023 WEBB	0211.6231		UNIFORMS & TURN-OUT GEAR	POLICE PROTECTION
		110.00-	PAYPAL BACK DEFENS-REFUND JE		120999	AUG 2023 BLUML	0211.6231		UNIFORMS & TURN-OUT GEAR	POLICE PROTECTION
		94.49	PAYPAL BACK DEFENS-ASHTON SUSP		120999	AUG 2023 BLUML	0211.6231		UNIFORMS & TURN-OUT GEAR	POLICE PROTECTION
		299.00	INTERVET INC-DOG MICROCHIP REA		120999	AUG 2023 BLUML	0270.6281		SMALL TOOLS & MINOR EQUIPMENT	ANIMAL CONTROL
		38.08	CASA RIO-TRAINING LUNCHES X3		121000	AUG 2023 DAHLBERG	0211.6331		TRAVEL & LODGING	POLICE PROTECTION
		51.70	WALMART C/C FRIDGE STOCK		121001	AUG 2023 BRAY	0111.6249		MISCELLANEOUS OPERATING SUPPLY	MAYOR AND COUNCIL
		275.00	EB 2023 NORTHWEST CHA-JK TRAIN		121002	AUG 2023 KATERS	0211.6335		TRAINING	POLICE PROTECTION
		46.37	COBORN'S-CO WIDE HOSTED REC ME		121003	AUG 2023 TORSETH	0211.6331		TRAVEL & LODGING	POLICE PROTECTION
		5.69	ECM - ANOKA HERALD SUBSCRIPTIO		121004	AUG 2023 SULLIVAN	9230.6451		MEMBERSHIP DUES	ECONOMIC DEVELOPMENT AUTHORIT
		120.00	SECRETARY OF ST WENDY NOTARY		121004	AUG 2023 SULLIVAN	9230.6249		MISCELLANEOUS OPERATING SUPPLY	ECONOMIC DEVELOPMENT AUTHORIT
		17.95	AMZN - BIZ APP DAY - CANDY		121004	AUG 2023 SULLIVAN	9230.6249	00923002	MISCELLANEOUS OPERATING SUPPLY	ECONOMIC DEVELOPMENT AUTHORIT
		7.59	AMZN - BIZ APP DAY - CANDY		121004	AUG 2023 SULLIVAN	9230.6249	00923002	MISCELLANEOUS OPERATING SUPPLY	ECONOMIC DEVELOPMENT AUTHORIT
		5.98	COBORNS- ICE		121005	AUG 2023 KOHNER	0220.6249		MISCELLANEOUS OPERATING SUPPLY	FIRE PROTECTION
		37.44	DOMINOS- FOOD NEW TRUCK TRAINI		121005	AUG 2023 KOHNER	0220.6249		MISCELLANEOUS OPERATING SUPPLY	FIRE PROTECTION
		66.97	SP IDENTIFIRE- SCBA LABELS		121005	AUG 2023 KOHNER	0220.6281		SMALL TOOLS & MINOR EQUIPMENT	FIRE PROTECTION
		45.52	AMAZON-VALVE SEALANT		121005	AUG 2023 KOHNER	0220.6388		OTHER VEHICLE REPAIR	FIRE PROTECTION
		51.37	AMAZON-TIRE MOUNT		121005	AUG 2023 KOHNER	0220.6257		OTHER VEHICLE PARTS	FIRE PROTECTION
		330.42	HILTON GARDENS HOTEL - HURD		121006	AUG 2023 LASHER	0130.6331		TRAVEL & LODGING	ADMINISTRATION
		330.42	HILTON GARDENS HOTEL - LASHER		121006	AUG 2023 LASHER	0130.6331		TRAVEL & LODGING	ADMINISTRATION
		10.00			121007	AUG 2023 RIVERBLOOD	0452.6223		GASOLINE	PARK & RECREATION

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
99091823	9/18/2023		108768 COMDATA NETWORK INC						Continued...	
		3,980.00	MN TRUCK - BRANDON H. CLASS A		121008	AUG 2023 TURNER	0311.6335		TRAINING	STREET MAINTENANCE
		17,606.42								
99091923	9/19/2023		100219 HOME DEPOT COMMERCIAL ACCT PROGRAM							
		175.44	DEWALT DIGITAL POWER STATION		120986	09182023	0220.6281		SMALL TOOLS & MINOR EQUIPMENT	FIRE PROTECTION
		3.51-	EP DISCOUNT		120986	09182023	0220.6281		SMALL TOOLS & MINOR EQUIPMENT	FIRE PROTECTION
		171.93								
99144601	9/15/2023		114790 GREAT WEST LIFE AND ANNUITY INS CO							
		4,359.08			120855	09142314342713	9101.2176		LIFE/HEALTH-EMPLOYEE	GENERAL FUND
		4,359.08								
99230208	9/15/2023		100301 MN CHILD SUPPORT PAYMENT CNTR							
		207.09			120825	0912231113481	9101.2185		GARNISHMENTS/SUPPORT	GENERAL FUND
		266.72			120859	0914231434274	9101.2185		GARNISHMENTS/SUPPORT	GENERAL FUND
		473.81								
99439426	9/15/2023		101306 IRS							
		424.62			120827	0912231113483	9101.2171		FEDERAL WITHHOLDING	GENERAL FUND
		1,642.72			120828	0912231113484	9101.2173		FICA & MEDICARE-EMPLOYEE	GENERAL FUND
		1,642.72			120829	0912231113485	9101.2182		FICA & MEDICARE-EMPLOYER	GENERAL FUND
		375.00			120833	0912231459244	9101.2171		FEDERAL WITHHOLDING	GENERAL FUND
		294.65			120834	0912231459245	9101.2173		FICA & MEDICARE-EMPLOYEE	GENERAL FUND
		294.65			120835	0912231459246	9101.2182		FICA & MEDICARE-EMPLOYER	GENERAL FUND
		17,896.12			120852	09142314342710	9101.2182		FICA & MEDICARE-EMPLOYER	GENERAL FUND
		28,742.73			120863	0914231434278	9101.2171		FEDERAL WITHHOLDING	GENERAL FUND
		17,896.12			120864	0914231434279	9101.2173		FICA & MEDICARE-EMPLOYEE	GENERAL FUND
		69,209.33								
99531104	9/15/2023		100601 MN DEPT OF REV WH							
		356.86			120826	0912231113482	9101.2172		STATE WITHHOLDING	GENERAL FUND
		50.00			120832	0912231459243	9101.2172		STATE WITHHOLDING	GENERAL FUND
		13,999.96			120862	0914231434277	9101.2172		STATE WITHHOLDING	GENERAL FUND
		14,406.82								
99717351	9/15/2023		100398 PUBLIC EMPLOYEES RETIREMENT ASSN							
		133.33			120830	0912231459241	9101.2174		PERA-EMPLOYEE	GENERAL FUND
		133.33			120831	0912231459242	9101.2183		PERA-EMPLOYER	GENERAL FUND
		28,793.32			120860	0914231434275	9101.2174		PERA-EMPLOYEE	GENERAL FUND
		38,490.80			120861	0914231434276	9101.2183		PERA-EMPLOYER	GENERAL FUND

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description	Business Unit
99717351	**9/15/2023**		**100398 PUBLIC EMPLOYEES RETIREMENT ASSN**						**Continued...**	
		67,550.78								
99729701	**9/15/2023**		**100223 ICMA RETIREMENT TRUST 457**							
		780.00			120851	0914231434271	9101.2175		DEFERRED COMPENSATION	GENERAL FUND
		780.00								
		417,667.43	Grand Total							

Payment Instrument Totals

Checks	133,767.56
EFT Payments	203,268.03
A/P ACH Payment	80,631.84
Total Payments	417,667.43

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Payment Group Control Number 3692
Bank Account 999.1010 CASH IN BANK 00002224
Version LOGIS004V
Originator JMORRISON
Payment Instrument Check Payment
Pay Through Date 9/27/2023

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
102953	AMERIGAS OF ANOKA		PV	120927	001	00999	8/31/2023	805769314	51.69		102953	AMERIGAS OF ANOKA
	AMERIGAS OF ANOKA P O BOX 660288 DALLAS TX 75266-0288			Summary Total					51.69			
				Payment Amount					51.69			
100052	ANOKA POLICE DEPARTMENT		PV	120956	001	00999	9/11/2023	08 2023	975.00		100052	ANOKA POLICE DEPARTMENT
	ANOKA POLICE DEPARTMENT 275 HARRISON STREET ANOKA MN 55303			Summary Total					975.00			
				Payment Amount					975.00			
100063	ASPEN MILLS		PV	120911	001	00999	9/7/2023	319152	102.00		100063	ASPEN MILLS
	ASPEN MILLS			Summary Total					102.00			
	8201 C CENTRAL AVE NE		PV	120948	001	00999	9/5/2023	319032	218.85			
	SPRING LAKE PARK MN 55432			Summary Total					218.85			
				Payment Amount					320.85			
119785	BARNUM COMPANIES		PV	120869	001	00999	8/29/2023	37921	392.50		119785	BARNUM COMPANIES
	BARNUM COMPANIES 23950 LAKE BLVD N FOREST LAKE MN 55025			Summary Total					392.50			
				Payment Amount					392.50			
115915	BROST, C. ANTHONY		PV	120963	001	00999	9/9/2023	090923	350.00		115915	BROST, C. ANTHONY

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Payment Instrument Check Payment
Pay Through Date 9/27/2023

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
	C. ANTHONY BROST 7959 RED OAK DR MOUNDS VIEW MN 55112			Summary Total					350.00			
				Payment Amount					350.00			
119982	CDM SYNERGIES, LLC		PV	121047	001	00999	9/13/2023	10644	415.30		119982	CDM SYNERGIES, LLC
	CDM SYNERGIES, LLC PO BOX 620 BECKER MN 55308			Summary Total					415.30			
				Payment Amount					415.30			
119134	CINTAS (FIRST AID VENDOR)		PV	120940	001	00999	9/7/2023	5174516409	212.48		119134	CINTAS (FIRST AID VENDOR)
	CINTAS PO BOX 631025 CINCINNATI OH 45263-1025			Summary Total					212.48			
				Payment Amount					212.48			
100117	CONNEXUS ENERGY		PV	120946	001	00999	9/8/2023	ATC0027540	29,809.00		100117	CONNEXUS ENERGY
	CONNEXUS ENERGY 14601 RAMSEY BLVD NW RAMSEY MN 55303			Summary Total					29,809.00			
				Payment Amount					29,809.00			
100167	CORNERSTONE FORD	EP DISCOUNT TAKEN	PV	121039	001	00999	9/11/2023	15432782	118.17		100167	CORNERSTONE FORD
	CORNERSTONE FORD 17219 HIGHWAY 10 NW			Summary Total					118.17			

Payment Group Control Number 3692
Bank Account 999.1010 CASH IN BANK 00002224
Version LOGIS004V
Originator JMORRISON
Payment Instrument Check Payment
Pay Through Date 9/27/2023

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
	PO BOX 304 ELK RIVER MN 55330											
				Payment Amount					118.17			
117759	CORRECTIVE ASPHALT MATERIALS LLC	PAYAPP 2 FINAL 23-09 PVMNT REJ	PV	121009	001	09402	9/19/2023	09192023	5,462.30		117759	CORRECTIVE ASPHALT MATERIALS LLC
	CORRECTIVE ASPHALT MATERIALS LLC 300 DANIEL BOONE TRAIL SOUTH ROXANA IL 62087			Summary Total					5,462.30			
				Payment Amount					5,462.30			
112411	COUNTRY SIDE SERVICES OF MN INC		PV	120942	001	00999	9/8/2023	1-108133-01	4,244.98		112411	COUNTRY SIDE SERVICES OF MN INC
	COUNTRY SIDE SERVICES OF MN INC 6228 HIGHWAY 10 NW RAMSEY MN 55303			Summary Total					4,244.98			
				Payment Amount					4,244.98			
111093	DOUGLAS KERR UNDERGROUND LLC	PAYAPP 2 23-12 HY10 RAM IMPROV	PV	121010	001	09214	9/19/2023	09192023	480,889.14		111093	DOUGLAS KERR UNDERGROUND LLC
	DOUGLAS KERR UNDERGROUND LLC			Summary Total					480,889.14			
	P O BOX 85	PAYAPP2 23-05 BARTHELS RUM	PV	121011	001	09435	9/19/2023	09192023 A	515,101.12			
	MORA MN 55051	PAYAPP2 23-05 BARTHELS RUM	PV	121011	002	09435	9/19/2023	09192023 A	51,934.16			
				Summary Total					567,035.28			
		PAYAPP8 FINAL 22-05 22 RIVERDA	PV	121012	001	09437	9/19/2023	09192023 B	40,134.44			

Payment Group Control Number 3692
Bank Account 999.1010 CASH IN BANK 00002224
Version LOGIS004V
Originator JMORRISON
Payment Instrument Check Payment
Pay Through Date 9/27/2023

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
				Summary Total					40,134.44			
				Payment Amount					1,088,058.86			
119788	ECM/UNION HERALD		PV	120930	001	00999	8/31/2023	37317	15.50		119788	ECM/UNION HERALD
	ECM/UNION HERALD 4095 COON RAPIDS BLVD COON RAPIDS MN 55433-2523			Summary Total					15.50			
				Payment Amount					15.50			
118931	ELECTRIC SYSTEMS SOLUTIONS		PV	120934	001	00999	9/11/2023	8404	32,000.00		118931	ELECTRIC SYSTEMS SOLUTIONS
	ELECTRIC SYSTEMS SOLUTIONS 6021 167TH AVENUE NW RAMSEY MN 55303			Summary Total					32,000.00			
				Payment Amount					32,000.00			
104267	ELITE SANITATION		PV	121020	001	00999	9/10/2023	30030	2,070.00		104267	ELITE SANITATION
	ELITE SANITATION PO BOX 526 ELK RIVER MN 55330			Summary Total					2,070.00			
				Payment Amount					2,070.00			
100169	EMERGENCY APPARATUS MAINTENANCE INC		PV	120937	001	00999	9/11/2023	129197	300.23		100169	EMERGENCY APPARATUS MAINTENANCE INC
	EMERGENCY APPARATUS MAINTENANCE INC 7512 4TH AVENUE			Summary Total					300.23			
			PV	120938	001	00999	9/11/2023	129295	429.80			

Payment Group Control Number 3692
Bank Account 999.1010 CASH IN BANK 00002224
Version LOGIS004V
Originator JMORRISON
Payment Instrument Check Payment
Pay Through Date 9/27/2023

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
	LINO LAKES MN 55014			Summary Total					429.80			
				Payment Amount					730.03			
109910	GREAT NORTHERN LANDSCAPE INC		PV	120908	001	00999	8/25/2023	15337	3,975.00		109910	GREAT NORTHERN LANDSCAPE INC
	GREAT NORTHERN LANDSCAPE INC 19720 IGUANA STREET NW ELK RIVER MN 55330			Summary Total					3,975.00			
				Payment Amount					3,975.00			
119617	HIRSHFIELD'S		PV	121019	001	00999	9/12/2023	22181405	121.96		119617	HIRSHFIELD'S
	HIRSHFIELD'S 725 2ND AVENUE N MINNEAPOLIS MN 55405			Summary Total					121.96			
				Payment Amount					121.96			
112154	HOPE HAVEN INC		PV	121030	001	00999	8/31/2023	CI-007441	5,512.50		112154	HOPE HAVEN INC
	HOPE HAVEN INC P O BOX 70 ROCK VALLEY IA 51247			Summary Total					5,512.50			
				Payment Amount					5,512.50			
117451	INKY ELF LLC		PV	120958	001	00999	9/5/2023	11748	519.40		117451	INKY ELF LLC
	INKY ELF LLC P O BOX 819 ANOKA MN 55303			Summary Total					519.40			
				Payment Amount								

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									519.40			
120359	LANGUAGE LINE SERVICES INC		PV	120952	001	00999	8/31/2023	11097595	20.60		120359	LANGUAGE LINE SERVICES INC
	LANGUAGE LINE SERVICES INC PO BOX 202564 DALLAS TX 75320-2564			Summary Total					20.60			
				Payment Amount					20.60			
100256	LANO EQUIPMENT INC		PV	120917	001	00999	8/31/2023	02-1020668	157.78		100256	LANO EQUIPMENT INC
	LANO EQUIPMENT INC 6140 HIGHWAY 10 NW ANOKA MN 55303			Summary Total					157.78			
			PV	121028	001	00999	9/8/2023	02-1022374	2.98			
				Summary Total					2.98			
			PV	121041	001	00999	9/12/2023	02-1023271	20.28			
				Summary Total					20.28			
				Payment Amount					181.04			
117814	LEWIS CUSTOM HOMES INC	REF ERO ESC 15217 VICUNA ST	PV	120983	001	00999	9/15/2023	A120210	1,500.00		117814	LEWIS CUSTOM HOMES INC
	LEWIS CUSTOM HOMES INC 218 REVERE LANE NORTH CHAMPLIN MN 55316			Summary Total					1,500.00			
				Payment Amount					1,500.00			
120385	LIBERTY EXTERIORS LLC	REF ERO ESC 8814 170TH CT	PV	120973	001	00999	9/15/2023	A119484	1,500.00		120385	LIBERTY EXTERIORS LLC

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Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
	LIBERTY EXTERIORS LLC 640 MAIN STREET NORTH CAMBRIDGE MN 55008			Summary Total					1,500.00			
				Payment Amount					1,500.00			
100268	LRRWMO CITY OF ANOKA		PV	121049	001	00999	9/13/2023	570	65.00		100268	LRRWMO CITY OF ANOKA
	LRRWMO CITY OF ANOKA 2015 - 1ST AVENUE NORTH ANOKA MN 55303			Summary Total					65.00			
				Payment Amount					65.00			
100268	LRRWMO CITY OF ANOKA		PV	121050	001	00999	9/13/2023	568	3,156.50		100268	LRRWMO CITY OF ANOKA
	LRRWMO CITY OF ANOKA 2015 - 1ST AVENUE NORTH ANOKA MN 55303			Summary Total					3,156.50			
				Payment Amount					3,156.50			
100268	LRRWMO CITY OF ANOKA		PV	121051	001	00999	9/13/2023	567	462.50		100268	LRRWMO CITY OF ANOKA
	LRRWMO CITY OF ANOKA 2015 - 1ST AVENUE NORTH ANOKA MN 55303			Summary Total					462.50			
				Payment Amount					462.50			
100268	LRRWMO CITY OF ANOKA		PV	121052	001	00999	9/13/2023	566	886.00		100268	LRRWMO CITY OF

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Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
												ANOKA
	LRRWMO CITY OF ANOKA 2015 - 1ST AVENUE NORTH ANOKA MN 55303			Summary Total					886.00			
				Payment Amount					886.00			
117248	LUXE LLC		PV	120887	001	00999	9/8/2023	2256	2,200.00		117248	LUXE LLC
	LUXE LLC			Summary Total					2,200.00			
	28134 140TH STREET NW		PV	120888	001	00999	9/8/2023	2257	1,850.00			
	ZIMMERMAN MN 55398			Summary Total					1,850.00			
				Payment Amount					4,050.00			
102219	MAGNEY CONSTRUCTION, INC	PAYAPP 3 2021-09 WTR TRMT PLNT	PV	121014	001	09601	9/19/2023	09192023	858,896.90		102219	MAGNEY CONSTRUCTIC INC
	MAGNEY CONSTRUCTION, INC 1401 PARK ROAD CHANHASSEN MN 55317			Summary Total					858,896.90			
				Payment Amount					858,896.90			
120041	MARTIN MARIETTA MATERIALS		PV	120867	001	00999	8/30/2023	40216466	342.25		120041	MARTIN MARIETTA MATERIALS
	MARTIN MARIETTA MATERIALS PO BOX 93186			Summary Total					342.25			
			PV	120915	001	00999	8/31/2023	40250170	78.03			
	CHICAGO IL 60673-3186			Summary Total					78.03			
				Payment Amount					420.28			

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Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
117588	MEDART INC		PV	120916	001	00999	9/1/2023	08577367	108.96		117588	MEDART INC
	MEDART INC			Summary Total					108.96			
	124 MANUFACTURERS DRIVE		PV	120925	001	00999	9/6/2023	08579663	90.59			
	ARNOLD MO 63010-4727			Summary Total					90.59			
				Payment Amount					199.55			
100288	METRO NORTH CHAMBER OF COMMERCE		PV	121026	001	00999	9/1/2023	28499	454.50		100288	METRO NORTH CHAMBE OF COMMERCE
	METRO NORTH CHAMBER OF COMMERCE 9380 CENTRAL AVE NE -SUITE 320 BLAINE MN 55434			Summary Total					454.50			
				Payment Amount					454.50			
108208	METRO PRODUCTS INC		PV	120919	001	00999	8/31/2023	176092	152.58		108208	METRO PRODUCTS INC
	METRO PRODUCTS INC			Summary Total					152.58			
	7401 CENTRAL AVENUE NE		PV	120943	001	00999	9/5/2023	176125	1,286.40			
	FRIDLEY MN 55432			Summary Total					1,286.40			
			PV	121032	001	00999	9/7/2023	176194	96.13			
				Summary Total					96.13			
				Payment Amount					1,535.11			
108201	METRO TENT RENTAL		PV	120966	001	00999	9/10/2023	9200	4,474.00		108201	METRO TENT RENTAL
	METRO TENT RENTAL 9273 188TH AVE NW ELK RIVER MN 55330			Summary Total					4,474.00			
				Payment Amount					4,474.00			

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Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
120312	MEYER CONTRACTING INC	PAYAPP 2 23-11 LIFT STATION 10	PV	121015	001	09602	9/19/2023	09192023	937,107.81		120312	MEYER CONTRACTING INC
	MEYER CONTRACTING INC 11000 93RD AVE N MAPLE GROVE MN 55369			Summary Total					937,107.81			
				Payment Amount					937,107.81			
100293	MIDC ENTERPRISES		PV	120904	001	00999	9/5/2023	I0050756	281.00		100293	MIDC ENTERPRISES
	MIDC ENTERPRISES 1450 WEST COUNTY ROAD C ROSEVILLE MN 55113			Summary Total					281.00			
				Payment Amount					281.00			
107333	MN DEPT OF LABOR AND INDUSTRY		PV	120879	001	00999	8/26/2023	ABR0310890X	10.00		107333	MN DEPT OF LABOR AND INDUSTRY
	MN DEPT OF LABOR AND INDUSTRY FSO PO BOX 64219 ST PAUL MN 55164-0219			Summary Total					10.00			
				Payment Amount					10.00			
100330	MN FIRE SRV CERTIFICATION BRD		PV	121025	001	00999	9/14/2023	11819	656.25		100330	MN FIRE SRV CERTIFICATION BRD
	MN FIRE SRV CERTIFICATION BRD 2704 MOUNDS VIEW BLVD MOUNDS VIEW MN 55112			Summary Total					656.25			
				Payment Amount					656.25			

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Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
100309	MN MAYORS ASSN		PV	120883	001	00999	9/1/2023	09012023	30.00		100309	MN MAYORS ASSN
	MINNESOTA MAYORS ASSN C/O LEAGUE OF MN CITIES 145 UNIVERSITY AVENUE WEST ST PAUL MN 55103-2044			Summary Total					30.00			
				Payment Amount					30.00			
100345	NAPA AUTO PARTS ELK RIVER		PV	120923	001	00999	9/6/2023	220370	152.84		100345	NAPA AUTO PARTS ELK RIVER
	NAPA AUTO PARTS ELK RIVER 17137 YALE STREET NW			Summary Total					152.84			
			PV	121042	001	00999	9/13/2023	221204	83.90			
	P O BOX 1041 ELK RIVER MN 55330			Summary Total					83.90			
			PV	121045	001	00999	9/13/2023	221297	148.90			
				Summary Total					148.90			
				Payment Amount					385.64			
100360	NORTH STAR TOWING INC		PV	120914	001	00999	8/7/2023	91609	184.00		100360	NORTH STAR TOWING INC
	NORTH STAR TOWING INC 833 NORTH STREET			Summary Total					184.00			
			PV	120980	001	00999	8/29/2023	91908	110.00			
	ANOKA MN 55303			Summary Total					110.00			
			PV	120981	001	00999	8/31/2023	91801	90.00			
				Summary Total					90.00			
				Payment Amount					384.00			

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115803	POWER LODGE- TWIN CITIES		PV	121024	001	00999	8/15/2023	99898	508.99		115803	POWER LODGE- TWIN CITIES
	POWER LODGE- TWIN CITIES 6781 WEST HIGHWAY 10 RAMSEY MN 55303			Summary Total					508.99			
				Payment Amount					508.99			
100393	PRAIRIE RESTORATIONS INC		PV	120907	001	00999	9/5/2023	INV-005445	325.00		100393	PRAIRIE RESTORATIONS INC
	PRAIRIE RESTORATIONS INC 31646 128TH STREET PRINCETON MN 55371			Summary Total					325.00			
			PV	120985	001	00999	9/14/2023	INV-005906	1,950.00			
				Summary Total					1,950.00			
				Payment Amount					2,275.00			
112959	PREMIUM WATERS INC		PV	120935	001	00999	8/31/2023	621331-08-23	95.90		112959	PREMIUM WATERS INC
	PREMIUM WATERS INC P O BOX 9128 MINNEAPOLIS MN 55480-9128			Summary Total					95.90			
			PV	120936	001	00999	8/31/2023	621332-08-23	21.42			
				Summary Total					21.42			
				Payment Amount					117.32			
110794	SCHMIDT CURB COMPANY INC		PV	121035	001	00999	9/11/2023	23-62 A	1,500.00		110794	SCHMIDT CURB COMPA INC
	SCHMIDT CURB COMPANY INC 13195 95TH STREET NE ELK RIVER MN 55330			Summary Total					1,500.00			
				Payment Amount					1,500.00			

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120063	SKYLINE GRAPHICS		PV	120970	001	00999	9/2/2023	035489	940.00		120063	SKYLINE GRAPHICS
	SKYLINE GRAPHICS 1101 ALDRICH AVE N MINNEAPOLIS MN 55411			Summary Total					940.00			
				Payment Amount					940.00			
111462	SYLVA CORPORATION		PV	120967	001	00999	9/11/2023	79961	1,902.00		111462	SYLVA CORPORATION
	SYLVA CORPORATION 900 AIRPORT ROAD PRINCETON MN 55371			Summary Total					1,902.00			
				Payment Amount					1,902.00			
115605	T MOBILE USA INC		PV	120975	001	00999	9/1/2023	9543686660	25.00		115605	T MOBILE USA INC
	T MOBILE USA INC ATTN LAW ENFORCMENT RELATIONS FINANCE PO BOX 84445 SEATTLE WA 98124-5745			Summary Total					25.00			
				Payment Amount					25.00			
109273	TACTICAL SOLUTIONS	To be paid by 2022 $20k grant	PV	120977	001	00999	9/5/2023	9837	2,158.00		109273	TACTICAL SOLUTIONS
	TACTICAL SOLUTIONS 9322 MAGGIE LANE SAVAGE MN 55378			Summary Total					2,158.00			
				Payment Amount					2,158.00			

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Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
108522	TOTAL CONTROL SYSTEMS, INC		PV	120972	001	00999	9/14/2023	10855	13,399.48		108522	TOTAL CONTROL SYSTEMS, INC
	TOTAL CONTROL SYSTEMS, INC P O BOX 40 STANCHFIELD MN 55080			Summary Total					13,399.48			
				Payment Amount					13,399.48			
108239	ULINE		PV	120979	001	00999	8/22/2023	167520822	392.41		108239	ULINE
	ULINE P O BOX 88741 CHICAGO IL 60680-1741			Summary Total					392.41			
				Payment Amount					392.41			
100498	UNITED RENTALS		PV	120964	001	00999	9/11/2023	224371347-001	4,654.26		100498	UNITED RENTALS
	UNITED RENTALS P O BOX 840514			Summary Total					4,654.26			
			PV	120965	001	00999	9/11/2023	224362366-001	820.52			
	DALLAS TX 75284-0514			Summary Total					820.52			
			PV	121060	001	00999	9/13/2023	224362366-002	672.00			
				Summary Total					672.00			
				Payment Amount					6,146.78			
120386	WAGAMON, CLAYTON	REF LANDSCPE ESC 8814 170TH CT	PV	120976	001	00999	9/15/2023	RA053554	5,000.00		120386	WAGAMON, CLAYTON
	CLAYTON WAGAMON 8814 170TH CT NW			Summary Total					5,000.00			

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Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Document Itm	Document Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
	RAMSEY MN 55303											
		Payment Amount							5,000.00			
106402	ZEP MANUFACTURING COMPANY		PV	121027	001	00999	9/7/2023	9008950914	329.61		106402	ZEP MANUFACTURING COMPANY
	ZEP SALES & SERVICE 13237 COLLECTIONS CENTER DRIVE CHICAGO IL 60693	Summary Total							329.61			
		Payment Amount							329.61			
		Total Amount to be Processed							3,026,706.79			
		Total Number of Payments to be Processed							55			

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110744	ALLINA HEALTH SYSTEM		PV	120910	001	00999	8/31/2023	CI00041033	2,750.00		110744	ALLINA HEALTH SYSTEM
	ALLINA HEALTH SYSTEM MISC BILLING NW 7710 P O BOX 9383 MINNEAPOLIS MN 55440-9383			Summary Total					2,750.00			
				Payment Amount					2,750.00			
117343	AMAZON CAPITAL SERVICES INC		PV	120885	001	00999	9/4/2023	1HHV-FVXY-Q9QJ	554.98		117343	AMAZON CAPITAL SERVICES INC
	AMAZON CAPITAL SERVICES INC PO BOX 035184 SEATTLE WA 98124-5184			Summary Total					554.98			
			PV	120898	001	00999	9/4/2023	1JQM-RJFG-Q4V9	76.98			
				Summary Total					76.98			
			PD	120902	001	00999	9/27/2023	1YLN-3F9Y-QKWR	92.15-			
				Summary Total					92.15-			
			PV	120951	001	00999	9/4/2023	1VRK-7V61-QQ6D	315.58			
				Summary Total					315.58			
				Payment Amount					855.39			
100026	ANDERSON IRRIGATION		PV	121022	001	00999	9/13/2023	1775	908.00		100026	ANDERSON IRRIGATION
	ANDERSON IRRIGATION 27066 103RD STREET NW ZIMMERMAN MN 55398			Summary Total					908.00			
				Payment Amount					908.00			
114881	ANDERSON RACE MANAGEMENT		PV	120962	001	00999	9/12/2023	26000-63-03	72.80		114881	ANDERSON RACE MANAGEMENT

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	ANDERSON RACE MANAGEMENT 4047 CAMBERWELL DRIVE N EAGAN MN 55123			Summary Total					72.80			
				Payment Amount					72.80			
100043	ANOKA COUNTY PROPERTY RECORDS TAXATION	Recording	PV	120900	001	00999	8/31/2023	23-31595/31718/31849	250.00		100043	ANOKA COUNTY PROPERTY RECORDS TAXATION
	ANOKA COUNTY PROPERTY RECORDS TAXATION 2100 - 3RD AVENUE ANOKA MN 55303			Summary Total					250.00			
				Payment Amount					250.00			
107587	ANOKA COUNTY TREASURY DEPARTMENT		PV	120974	001	00999	9/12/2023	AR021319	95.76		107587	ANOKA COUNTY TREASURY DEPARTMEN
	ANOKA COUNTY TREASURY DEPARTMENT 2100 3RD AVE STE 300 ANOKA MN 55303-5029			Summary Total					95.76			
				Payment Amount					95.76			
116646	BASIC		PV	120928	001	00999	8/29/2023	IN2846511	1,017.60		116646	BASIC
	BENEFIT ADMINISTRATIVE SERVICES INT'L CO PO BOX 775339 CHICAGO IL 60677-5339			Summary Total					1,017.60			
				Payment Amount					1,017.60			
101084	BATTERIES PLUS BULBS		PV	120899	001	00999	9/7/2023	P65575376	32.25		101084	BATTERIES PLUS BULBS

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	BATTERIES PLUS BULBS			Summary Total					32.25			
	138 SOUTH DALE MABRY HWY		PV	120949	001	00999	9/5/2023	P65522338	19.75			
	TAMPA FL 33609			Summary Total					19.75			
				Payment Amount					52.00			
106346	BAUER BUILT INCORPORATED		PV	121046	001	00999	9/14/2023	940102799	600.08		106346	BAUER BUILT INCORPORATED
	BAUER BUILT INCORPORATED			Summary Total					600.08			
	8270 W 35W SERVICE DR NE		PV	121054	001	00999	9/14/2023	940102641	1,207.51			
	BLAINE MN 55449			Summary Total					1,207.51			
				Payment Amount					1,807.59			
103975	BROZAK, LUANN	LBrozak 09/2023 Sept/Oct RR	PV	120882	001	00999	9/7/2023	2052	6,491.00		103975	BROZAK, LUANN
	LUANN BROZAK			Summary Total					6,491.00			
	23900 CTY RD 4 #21											
	NISSWA MN 56468											
				Payment Amount					6,491.00			
116845	CADY BUSINESS TECHNOLOGIES INC		PV	120909	001	00999	9/2/2023	IN-800107285305	39.00		116845	CADY BUSINESS TECHNOLOGIES INC
	CADY BUSINESS TECHNOLOGIES INC			Summary Total					39.00			
	3030 HARBOR LANE SUITE 104											
	PLYMOUTH MN 55447											
				Payment Amount					39.00			

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112663	CAPSTONE HOMES INC	REF ERO ESC 8677 146TH LANE	PV	120889	001	00999	9/8/2023	A120025	1,500.00		112663	CAPSTONE HOMES INC
	CAPSTONE HOMES INC			Summary Total					1,500.00			
	14015 SUNFISH LAKE BLVD SUITE 400	REF ERO ESC 8683 146TH LANE	PV	120890	001	00999	9/8/2023	A120024	1,500.00			
	RAMSEY MN 55303			Summary Total					1,500.00			
		REF ERO ESC 8842 152ND LANE	PV	120891	001	00999	9/8/2023	A120015	1,500.00			
				Summary Total					1,500.00			
		REF ERO ESC 8848 152ND LANE	PV	120892	001	00999	9/8/2023	A120050	1,500.00			
				Summary Total					1,500.00			
		REF ERO ESC 14464 SNOWY OWL ST	PV	120893	001	00999	9/8/2023	A120003	1,500.00			
				Summary Total					1,500.00			
		REF ERO ESC 14465 SNOWY OWL ST	PV	120894	001	00999	9/8/2023	A120071	1,500.00			
				Summary Total					1,500.00			
		REF ERO ESC 14514 SNOWY OWL ST	PV	120895	001	00999	9/8/2023	A120070	1,500.00			
				Summary Total					1,500.00			
		REF ERO ESC 15281 VICUNA ST	PV	120896	001	00999	9/8/2023	A120051	1,500.00			
				Summary Total					1,500.00			
		REF ERO ESC 14483 QUINTANA ST	PV	120978	001	00999	9/15/2023	A120153	1,500.00			
				Summary Total					1,500.00			

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		REF ERO ESC 14493 QUINTANA ST	PV	120982	001	00999	9/15/2023	A120152	1,500.00			
				Summary Total					1,500.00			
		REF ERO ESC 14400 QUINTANA ST	PV	121023	001	00999	9/18/2023	A120121	1,500.00			
				Summary Total					1,500.00			
				Payment Amount					16,500.00			
114549	CHETS SHOES INC		PV	120903	001	00999	8/31/2023	406127	150.00		114549	CHETS SHOES INC
	CHETS SHOES INC 8870 RENDOVA STREET NE CIRCLE PINES MN 55014			Summary Total					150.00			
				Payment Amount					150.00			
119607	CHRISTIAN PATE DBA GREEN TECH SANITATION		PV	120905	001	00999	9/5/2023	526	1,860.00		119607	CHRISTIAN PATE DBA GREEN TECH SANITATION
	GREEN TECH SANITATION 1820 OLD HIGHWAY 8 ST PAUL MN 55112			Summary Total					1,860.00			
				Payment Amount					1,860.00			
116197	CINTAS CORPORATION		PV	120868	001	00999	8/30/2023	4166238974	45.50		116197	CINTAS CORPORATION
	CINTAS CORPORATION CINTAS LOC #4K			Summary Total					45.50			
			PV	120870	001	00999	8/31/2023	4166461694	94.86			
	P O BOX 650838 DALLAS TX 75265-0838			Summary Total					94.86			
			PV	120945	001	00999	9/8/2023	4167158189	44.61			

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				Summary Total					44.61			
			PV	121043	001	00999	9/14/2023	4167833631	94.86			
				Summary Total					94.86			
				Payment Amount					279.83			
114469	CUNINGHAM GROUP ARCHITECTURE INC		PV	120969	001	00999	9/14/2023	61495	3,750.00		114469	CUNINGHAM GROUP ARCHITECTURE INC
	CUNINGHAM GROUP ARCHITECTURE INC 201 MAIN STREET SE SUITE 325 MINNEAPOLIS MN 55414			Summary Total					3,750.00			
				Payment Amount					3,750.00			
100141	DAVE PERKINS CONTRACTING INC		PV	121056	001	00999	9/15/2023	10754	9,500.00		100141	DAVE PERKINS CONTRACTING INC
	DAVE PERKINS CONTRACTING INC 19745 NOWTHEN BLVD NW ANOKA MN 55303-9655			Summary Total					9,500.00			
				Payment Amount					9,500.00			
100144	DEHN OIL COMPANY		PV	120920	001	00999	9/1/2023	102540	4,048.55		100144	DEHN OIL COMPANY
	DEHN OIL COMPANY 6735 141ST AVENUE NW RAMSEY MN 55303			Summary Total					4,048.55			
			PV	120921	001	00999	9/1/2023	102541	3,140.10			
				Summary Total					3,140.10			
			PV	121036	001	00999	9/8/2023	102568	2,671.50			
				Summary Total					2,671.50			
			PV	121037	001	00999	9/8/2023	102578	2,827.80			

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				Summary Total					2,827.80			
				Payment Amount					12,687.95			
117344	DINGES FIRE COMPANY		PV	120913	001	00999	9/11/2023	44362	352.80		117344	DINGES FIRE COMPANY
	DINGES FIRE COMPANY 243 E. MAIN STREET AMBOY IL 61310			Summary Total					352.80			
				Payment Amount					352.80			
116175	ECKBERG LAMMERS ATTORNEYS AT LAW	Inv 08 2023	PV	120881	001	00999	8/31/2023	08 2023	6,283.20		116175	ECKBERG LAMMERS ATTORNEYS AT LAW
	ECKBERG LAMMERS ATTORNEYS AT LAW 1809 NORTHWESTERN AVENUE STILLWATER MN 55082			Summary Total					6,283.20			
				Payment Amount					6,283.20			
108737	EMERGENCY AUTOMOTIVE TECHNOLOGY INC		PV	120950	001	00999	8/31/2023	DL082123-22	913.31		108737	EMERGENCY AUTOMOT TECHNOLOGY INC
	EMERGENCY AUTOMOTIVE TECHNOLOGY INC 2755 GENEVA AVE N OAKDALE MN 55128			Summary Total					913.31			
				Payment Amount					913.31			
113321	FACTORY MOTOR PARTS CO		PV	121033	001	00999	9/11/2023	6-1656754	39.00		113321	FACTORY MOTOR PART CO
	FACTORY MOTOR PARTS CO BIN 139107			Summary Total					39.00			

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	P O BOX 9107 MINNEAPOLIS MN 55480-9107											
				Payment Amount					39.00			
107099	FASTENAL		PV	120939	001	00999	9/6/2023	MNTC8210862	13.43		107099	FASTENAL
	FASTENAL COMPANY P O BOX 1286 WINONA MN 55987			Summary Total					13.43			
				Payment Amount					13.43			
100143	FERGUSON WATERWORKS # 2518		PV	120871	001	00999	8/30/2023	0515920	2,111.78		100143	FERGUSON WATERWOF # 2518
	FERGUSON WATERWORKS 2516 P O BOX 802817 CHICAGO IL 60680-2817			Summary Total					2,111.78			
			PV	120873	001	00999	8/30/2023	0515588	465.19			
				Summary Total					465.19			
			PD	120878	001	00999	9/27/2023	CM038718	273.80-			
				Summary Total					273.80-			
			PV	120931	001	00999	9/8/2023	0519187	104.99			
				Summary Total					104.99			
			PV	120971	001	00999	9/12/2023	0518741	2,840.00			
				Summary Total					2,840.00			
				Payment Amount					5,248.16			
106428	FORCE AMERICA INC		PV	120922	001	00999	9/5/2023	IN001-1758966	869.10		106428	FORCE AMERICA INC
	FORCE AMERICA INC 501 EAST CLIFF ROAD SUITE 100			Summary Total					869.10			

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	BURNSVILLE MN 55337											
				Payment Amount					869.10			
119872	GENERAL PATTERN CO. INC		PV	120933	001	00999	8/25/2023	698450	219.00		119872	GENERAL PATTERN CO. INC
	GENERAL PATTERN CO. INC 3075 84TH LANE NE BLAINE MN 55449			Summary Total					219.00			
				Payment Amount					219.00			
100200	GOPHER STATE ONE CALL INC		PV	120876	001	00999	8/31/2023	3080696	575.10		100200	GOPHER STATE ONE CALL INC
	GOPHER STATE ONE CALL 7223 PARKWAY DRIVE SUITE 210 HANOVER MD 21076-1317			Summary Total					575.10			
				Payment Amount					575.10			
100204	GRAFIX SHOPPE		PV	120984	001	00999	8/31/2023	152547	1,271.00		100204	GRAFIX SHOPPE
	GRAFIX SHOPPE 3225 NEIL ARMSTRONG BLVD STE 600 EAGAN MN 55121			Summary Total					1,271.00			
				Payment Amount					1,271.00			
112564	GROUP HEALTH INC WORKSITE		PV	120929	001	00999	8/31/2023	7007011	43.00		112564	GROUP HEALTH INC WORKSITE
	GROUP HEALTH INC WORKSITE M.S. # 21109A P O BOX 1309			Summary Total					43.00			

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	MINNEAPOLIS MN 55440-1309											
				Payment Amount					43.00			
100209	HAKANSON ANDERSON ASSOC INC		PV	121055	001	00999	9/13/2023	51400	5,900.00		100209	HAKANSON ANDERSON ASSOC INC
	HAKANSON ANDERSON ASSOC INC 3601 THURSTON AVENUE ANOKA MN 55303-1063			Summary Total					5,900.00			
				Payment Amount					5,900.00			
100211	HAWKINS INC		PV	120872	001	00999	9/1/2023	6568854	12,176.90		100211	HAWKINS INC
	HAWKINS INC P O BOX 860263 MINNEAPOLIS MN 55486-0263			Summary Total					12,176.90			
				Payment Amount					12,176.90			
112160	HOLIDAY COMPANIES		PV	120865	001	00999	9/1/2023	046801092300	225.25		112160	HOLIDAY COMPANIES
	HOLIDAY COMPANIES 4567 AMERICAN BLVD W BLOOMINGTON MN 55437			Summary Total					225.25			
				Payment Amount					225.25			
118946	HOTSY MINNESOTA		PV	121048	001	00999	9/14/2023	18331	529.97		118946	HOTSY MINNESOTA
	HOTSY MINNESOTA 2951 100TH COURT NE SUITE 100 BLAINE MN 55449			Summary Total					529.97			
				Payment Amount								

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									529.97			
120393	LANDALL SERVICES LLC	PAYYAPP 1 23-10 WHISPERING PIN	PV	121013	001	09435	9/19/2023	09192023	105,669.69		120393	LANDALL SERVICES LLC
	LANDALL SERVICES LLC	PAYYAPP 1 23-10 WHISPERING PIN	PV	121013	002	09435	9/19/2023	09192023	44,745.00			
	24752 128TH STREET ZIMMERMAN MN 55398			Summary Total					150,414.69			
				Payment Amount					150,414.69			
100258	LEAGUE OF MINNESOTA CITIES		PV	120884	001	00999	9/1/2023	388595	23,538.00		100258	LEAGUE OF MINNESOTA CITIES
	LEAGUE OF MN CITIES FINANCE DEPT 145 UNIVERSITY AVE WEST ST PAUL MN 55103-2044			Summary Total					23,538.00			
				Payment Amount					23,538.00			
102954	LITTLE FALLS MACHINE INC		PV	121038	001	00999	9/6/2023	368864	681.59		102954	LITTLE FALLS MACHINE INC
	LITTLE FALLS MACHINE INC 300 LINDBERGH DRIVE SOUTH			Summary Total					681.59			
			PV	121040	001	00999	9/6/2023	368865	138.16			
	LITTLE FALLS MN 56345-1598			Summary Total					138.16			
				Payment Amount					819.75			
100266	LOGIS		PV	120866	001	00999	9/1/2023	53975	21,557.00		100266	LOGIS

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	LOCAL GOVERNMENT INFORMATION SYSTEMS ASS			Summary Total					21,557.00			
	5750 DULUTH STREET											
	GOLDEN VALLEY MN 55422-4036											
				Payment Amount					21,557.00			
100283	MENARDS COON RAPIDS		PV	121021	001	00999	9/13/2023	2923	32.31		100283	MENARDS COON RAPID
	MENARDS COON RAPIDS			Summary Total					32.31			
	3045 MAIN STREET											
	COON RAPIDS MN 55448											
				Payment Amount					32.31			
100284	MENARDS ELK RIVER		PV	120874	001	00999	8/30/2023	80488	73.08		100284	MENARDS ELK RIVER
	MENARDS ELK RIVER			Summary Total					73.08			
	19521 EVANS STREET NW		PV	120912	001	00999	9/6/2023	80931	100.44			
	ELK RIVER MN 55330-1077			Summary Total					100.44			
				Payment Amount					173.52			
100285	MET COUNCIL ENVIRONMENTAL SRV	Inv #1162027	PV	120880	001	00999	9/1/2023	0001162027	94,908.25		100285	MET COUNCIL ENVIRONMENTAL SRV
	MET COUNCIL ENVIRONMENTAL SRV			Summary Total					94,908.25			
	P O BOX 856513											
	MINNEAPOLIS MN 55485-6513											
				Payment Amount					94,908.25			
119825	METRO CREATIVE GRAPHICS INC		PV	120932	001	00999	8/31/2023	213818	99.00		119825	METRO CREATIVE GRAPHICS INC

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	METRO CREATIVE GRAPHICS INC PO BOX 2085 LIVINGSTON NJ 07039			Summary Total					99.00			
				Payment Amount					99.00			
100313	MN RECREATION AND PARK ASSN		PV	120968	001	00999	9/12/2023	02514	299.00		100313	MN RECREATION AND PARK ASSN
	MN RECREATION AND PARK ASSN 200 CHARLES STREET NE FRIDLEY MN 55432			Summary Total					299.00			
				Payment Amount					299.00			
100341	MTI DISTRIBUTING INC		PV	121044	001	00999	9/11/2023	1405251-00	92.97		100341	MTI DISTRIBUTING INC
	MTI DISTRIBUTING INC SDS 12-1900 P O BOX 86 MINNEAPOLIS MN 55486-1900			Summary Total					92.97			
				Payment Amount					92.97			
115167	NET TRANSCRIPTS INC		PV	120957	001	00999	8/31/2023	NT16754	183.04		115167	NET TRANSCRIPTS INC
	NET TRANSCRIPTS INC PO BOX 95777 CHICAGO IL 60694-5777			Summary Total					183.04			
				Payment Amount					183.04			
117130	NORTHERN LINES CONTRACTING INC	PAYAPP 4 23-01 161ST AVE RECON	PV	121016	001	09402	9/19/2023	09192023	278,833.96		117130	NORTHERN LINES CONTRACTING INC

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	NORTHERN LINES CONTRACTING INC	PAYAPP 4 23-01 161ST AVE RECON	PV	121016	002	09402	9/19/2023	09192023	2,078.12			
	11039 LAMONT AVE NE	PAYAPP 4 23-01 161ST AVE RECON	PV	121016	003	09402	9/19/2023	09192023	3,308.37			
	HANOVER MN 55341	PAYAPP 4 23-01 161ST AVE RECON	PV	121016	004	09402	9/19/2023	09192023	7,640.37			
		PAYAPP 4 23-01 161ST AVE RECON	PV	121016	005	09402	9/19/2023	09192023	63,410.11			
				Summary Total					355,270.93			
				Payment Amount					355,270.93			
100363	NORTHERN SANITARY SUPPLY CO		PV	120886	001	00999	9/5/2023	207505	390.95		100363	NORTHERN SANITARY SUPPLY CO
	NORTHERN SANITARY SUPPLY CO 341 COON RAPIDS BLVD MINNEAPOLIS MN 55433			Summary Total					390.95			
				Payment Amount					390.95			
115071	NORTHLAND OCCUPATIONAL HEALTH		PV	120960	001	00999	9/6/2023	19546	430.00		115071	NORTHLAND OCCUPATIONAL HEALTH
	NORTHLAND OCCUPATIONAL HEALTH 7533 SUNWOOD DRIVE NW SUITE 212			Summary Total					430.00			
			PV	120961	001	00999	9/12/2023	19621	50.00			
	RAMSEY MN 55303			Summary Total					50.00			
			PV	121059	001	00999	9/13/2023	19638	280.00			
				Summary Total					280.00			
				Payment Amount					760.00			

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112421	PERRILL		PV	120941	001	00999	9/1/2023	260841	200.00		112421	PERRILL
	PERRIL 110 CHESHIRE LANE SUITE 105 MINNETONKA MN 55305			Summary Total					200.00			
				Payment Amount					200.00			
100418	RDO EQUIPMENT CO		PV	120944	001	00999	9/8/2023	P7544314	168.92		100418	RDO EQUIPMENT CO
	RDO EQUIPMENT CO P O BOX 7160			Summary Total					168.92			
			PV	120947	001	00999	9/8/2023	P7544414	15.12			
	FARGO ND 58106-7160			Summary Total					15.12			
				Payment Amount					184.04			
110330	RESHETAR SYSTEM INC	PAYAPP 2 FINAL 23-17 COR TREES	PV	121017	001	09214	9/19/2023	09192023	255,975.58		110330	RESHETAR SYSTEM INC
	RESHETAR SYSTEM INC 730 BUNKER LAKE BLVD NW ANOKA MN 55303			Summary Total					255,975.58			
				Payment Amount					255,975.58			
116092	ROADKILL ANIMAL CONTROL		PV	120918	001	00999	8/31/2023	08312023	103.00		116092	ROADKILL ANIMAL CONTROL
	ROADKILL ANIMAL CONTROL 520 HAROLD DRIVE BURNSVILLE MN 55337			Summary Total					103.00			
				Payment Amount					103.00			

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100431	SAFETY KLEEN CORPORATION		PV	120926	001	00999	9/7/2023	CN17243563	110.97		100431	SAFETY KLEEN CORPORATION
	SAFETY KLEEN CORPORATION PO BOX 975201 DALLAS TX 75397-5201							Summary Total	110.97			
								Payment Amount	110.97			
101126	SAUTER AND SONS EXCAVATING INC	REF ERO ESC 14816 ARMSTRONG BL	PV	120897	001	00999	9/8/2023	A120176 A	1,500.00		101126	SAUTER AND SONS EXCAVATING INC
	SAUTER AND SONS EXCAVATING INC 6651 141ST AVE NW #3 RAMSEY MN 55303							Summary Total	1,500.00			
								Payment Amount	1,500.00			
100440	SHORT ELLIOT HENDRICKSON INC		PV	121053	001	00999	9/11/2023	452449	26,110.62		100440	SHORT ELLIOT HENDRICKSON INC
	SHORT ELLIOT HENDRICKSON INC P O BOX 64780 ST PAUL MN 55164-0780							Summary Total	26,110.62			
								Payment Amount	26,110.62			
119121	SLOTH INSPECTIONS INC		PV	120906	001	00999	8/31/2023	08312023	5,567.25		119121	SLOTH INSPECTIONS INC
	SLOTH INSPECTIONS INC 2089 175TH LANE NW ANDOVER MN 55304							Summary Total	5,567.25			
								Payment Amount	5,567.25			

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100469	STREICHER'S POLICE EQUIPMENT		PV	120953	001	00999	8/29/2023	I1652247	1,265.76		100469	STREICHER'S POLICE EQUIPMENT
	STREICHER'S POLICE EQUIPMENT			Summary Total					1,265.76			
	10911 WEST HWY 55		PV	120954	001	00999	8/29/2023	I1652338	22.99			
	MINNEAPOLIS MN 55441			Summary Total					22.99			
			PV	120955	001	00999	9/7/2023	I1653654	10.00			
				Summary Total					10.00			
				Payment Amount					1,298.75			
117483	TAFT STETTINIUS AND HOLLISTER LLP	Presbyterian Homes Legal	PV	121057	001	00999	9/14/2023	6131657	3,500.00		117483	TAFT STETTINIUS AND HOLLISTER LLP
	TAFT STETTINIUS AND HOLLISTER LLP			Summary Total					3,500.00			
	P O BOX 64591	TIF 14 Special Legislation IFL	PV	121058	001	00999	9/13/2023	6131513	4,500.00			
	ST PAUL MN 55164-0591			Summary Total					4,500.00			
				Payment Amount					8,000.00			
100485	TIMESAVER OFF SITE SECRETARIAL INC		PV	120959	001	00999	9/3/2023	M28513	945.75		100485	TIMESAVER OFF SITE SECRETARIAL INC
	TIMESAVER OFF SITE SECRETARIAL INC			Summary Total					945.75			
	21021 KAROLINE COURT N		PV	121061	001	00999	9/15/2023	M28551	437.25			
	FOREST LAKE MN 55025			Summary Total					437.25			
				Payment Amount					1,383.00			
112688	TITAN MACHINERY		PV	121029	001	00999	9/7/2023	18804557 GP	428.60		112688	TITAN MACHINERY

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Payment Instrument T A/P ACH Payment
Pay Through Date 9/27/2023

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
	TITAN MACHINERY			Summary Total					428.60			
	14375 JAMES ROAD		PV	121034	001	00999	9/11/2023	18814586 GP	26.75			
	ROGERS MN 55374			Summary Total					26.75			
				Payment Amount					455.35			
112024	TOWMASTER		PV	121031	001	00999	9/8/2023	463051	80.95		112024	TOWMASTER
	TOWMASTER 61381 US HWY 12 LITCHFIELD MN 55355			Summary Total					80.95			
				Payment Amount					80.95			
112721	W W GOETSCH ASSOCIATES INC		PV	120877	001	00999	8/21/2023	110913	2,585.00		112721	W W GOETSCH ASSOCIATES INC
	W W GOETSCH ASSOCIATES INC 5250 WEST 74TH STREET SUITE 24 MINNEAPOLIS MN 55439-2226			Summary Total					2,585.00			
				Payment Amount					2,585.00			
106351	WATER LABORATORIES, INC		PV	120875	001	00999	9/2/2023	9672	822.00		106351	WATER LABORATORIES, INC
	WATER LABORATORIES, INC 333 EAST MAIN STREET PO BOX 388 ELK RIVER MN 55330			Summary Total					822.00			
				Payment Amount					822.00			
100529	WENDELL'S INC		PV	120901	001	00999	9/5/2023	2862102	11.35		100529	WENDELL'S INC

Payment Group Control Number 3693
Bank Account 999.1010 CASH IN BANK 00002224
Version LOGIS004V
Originator JMORRISON
Payment Instrument T A/P ACH Payment
Pay Through Date 9/27/2023

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount	Discount Taken	Supplier Number	Supplier Name
	WENDELL'S INC 6601 BUNKER LAKE BLVD PO BOX 458 RAMSEY MN 55303-0458			Summary Total					11.35			
				Payment Amount					11.35			
100541	ZARNOTH BRUSH WORKS INC		PV	120924	001	00999	8/30/2023	0195291-IN	649.00		100541	ZARNOTH BRUSH WORKS INC
	ZARNOTH BRUSH WORKS INC PO BOX 141 CHILTON WI 53014-0141			Summary Total					649.00			
				Payment Amount					649.00			
				Total Amount to be Processed					1,047,302.41			
				Total Number of Payments to be Processed					64			

Checks - 3,026,706.79
ACH - 1,047,302.41
4,074,009.02

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Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #23-241

RESOLUTION APPROVING CASH DISBURSEMENTS MADE AND AUTHORIZING PAYMENT OF ACCOUNTS PAYABLE INVOICING RECEIVED DURING THE PERIOD OF SEPTEMBER 7, 2023 THROUGH SEPTEMBER 20, 2023

WHEREAS, the City of Ramsey Finance Department has made cash disbursements and received accounts payable invoicing during the period of September 7, 2023 through September 20, 2023 in the amount of $4,739,029.56 and

WHEREAS, the City Council of the City of Ramsey is required to authorize payment for all disbursement transactions.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the Ramsey City Council hereby approves the cash disbursements made and authorizes payment of the accounts payable invoices as detailed in the attached Bills List for the period September 7, 2023 through September 20, 2023, in the amount of $4,739,029.56.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember , and upon vote being taken thereon, the following voted in favor thereof:

Mayor Kuzma
Councilmember
Councilmember
Councilmember
Councilmember
Councilmember
Councilmember

and the following voted against the same:

None

and the following abstained:

None

and the following were absent:

None

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Promote economic growth and development.

Information

Title

Adopt Resolution #23-195 Approving a Development Agreement for Aldi.

Purpose/Background:

On July 11, the City Council approved the site plan review and the final plat for the Aldi project southwest of the Sunwood Drive roundabout. The requested action is to approve the development agreement for the approved plans. This is the last step of Council actions before Aldi can close on the property and apply for building permits to construct the building.

The development agreement is standard in its form with one thing of note: the site will receive credit for 1.36 acres of development fees that were paid by a previous development that did not go through.

Notification:

Public notification is not required.

Observations/Alternatives:

Alternatives to Consider:

1. Approve the development agreement as presented.
2. Approve the development agreement with modifications that the Council requests.
3. Deny the development agreement based on specific findings.

Funding Source:

All costs associated with this project are the responsibility of the applicant.

Recommendation:

Staff recommends approval of the development agreement.

Action:

Motion to adopt Resolution #23-195 approving a development agreement for Aldi.

Attachments

Resolution #23-195

Development Agreement

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 03:37 PM
Form Started By: Todd Larson		Started On: 08/14/2023 02:35 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-195

A RESOLUTION APPROVING THE DEVELOPMENT AGREEMENT FOR ALDI

RECITALS

1. Aldi, hereinafter referred to as the "**Permittee**" has properly applied for site plan review and plat approval on the property legally described as follows:

   Lot 1, Block 1, COR FOUR, Anoka County, Minnesota.

   ("**Subject Property**")

2. That the City of Ramsey is the fee owner of the **Subject Property** with the intent to subdivide it and sell a portion to the **Permittee** for the purpose of constructing a retail grocery store.

3. That the City Council reviewed and approved the Site Plan for the grocery store and the Final Plat of "COR FOUR" on July 11, 2023.

4. That the **Permittee** has now supplied the cost estimate for the site improvements, which is needed to draft the Development Agreement.

5. That the City Council reviewed the Development Agreement on September 12, 2023.

NOW THEREFORE, BE IT RESOLVED BY THIS CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

That the Ramsey City Council hereby grants approval of the Development Agreement and authorizes the Mayor and City Administrator to sign that document.

ALDI, INC.
DEVELOPMENT AGREEMENT
CITY OF RAMSEY, ANOKA COUNTY, MINNESOTA

This Development Agreement (hereinafter the "**Agreement**") is dated as of this _____ day of _____, 2023, and is by and between the City of Ramsey, a Minnesota municipal corporation (the "**CITY**") and ALDI INC. (MINNESOTA), a Minnesota corporation ("**ALDI**"). The CITY and ALDI are sometimes collectively referred to herein as the "**Parties**".

Recitals

A. ALDI is, or, pursuant to that certain Real Estate Purchase Agreement, dated March 3, 2023 (as may be amended, the "**Purchase Agreement**") by and between ALDI and the City, shall become the fee title owner of land generally known as 7992 Sunwood Drive Northwest, Ramsey, MN 55303 and legally described as:

Lot 1, Block 1, COR Four, Anoka County, Minnesota.

(the "**Subject Property**")

B. That on May 12, 2023, the CITY received a Site Plan Application from ISG on behalf of ALDI, proposing to construct a retail building to operate on the Subject Property, and associated site improvements (cumulatively, the "**New Building**").

C. That on July 11, 2023, the City Council approved the Site Plan for the proposed New Building.

D. ALDI intends to cause the Required Improvements (defined below) to the Subject Property to be constructed without financial participation by the CITY.

Agreement

SECTION I
REQUIRED IMPROVEMENTS AND FINANCIAL RESPONSIBILITIES

1. **City Code Compliance.** The CITY approves the site plan referenced above (the "**Site Plan**") conditioned on ALDI developing the Subject Property in accordance with the applicable provisions of City Code**.**

2. **Conformance with the Plans**. The Subject Property shall be developed substantially in accordance with the plans (the "**Plans**") prepared by ISG, dated June 12, 2023, subject to any revisions contemplated by this Agreement. The Plans remain subject to: (a) the CITY's staff's review and approval of the Plans to, among other things, confirm that the revisions requested in the CITY's review have been made; and (b) such further revisions as ALDI may propose and the CITY approves (which such approval shall not be unreasonably withheld, conditioned, or delayed). The Plans shall not be attached to this Agreement, but are in the CITY's files. The term "Plans" as used in this Agreement shall mean and include any comments made by the CITY's staff pursuant to item (a) above or any further revisions requested by ALDI and approved by the CITY pursuant to item (b) above.

3. **Incorporation of All City Code Requirements**. That the recitals above and the applicable provisions of the City Charter, Subdivision Code, and Zoning Code of the CITY, as amended to date hereof, are incorporated herein by reference.

4. **State Building Code Compliance**. The New Building shall be constructed in accordance with the requirements of the CITY's Building Code.

5. **Fire Lanes.** Fire lanes shall be maintained on the Subject Property. The exact locations of such fire lanes on the Subject Property shall be as set forth on the Site Plan. ALDI herein agrees to post "No Parking" signs along private driveways and drive aisles in accordance with City Code requirements and in conjunction with the instructions of the Fire Chief.

6. **Required Improvements.** ALDI shall construct and install the following site improvements on the Subject Property and adjacent right-of-way in accordance with the specifications and location as shown on the Plans. The term "**Required Improvements**" and the allocated costs therefor means as follows:

Required Improvement	Cost	125% of Cost Release Amount
a. Temporary and permanent erosion control.	$11,250.00	$14,062.50
b. Lot Grading	$129,000.00	$161,250.00
c. Storm drainage facilities	$65,375.00	$81,718.75
d. Sanitary sewer service	$2,000.00	$2,500.00
e. Water services	$22,950.00	$28,687.50
f. Parking Lot and Driveway bituminous pavement	$242,500.00	$303,125.00
g. Concrete walkways, curb, and gutter	$74,930.00	$93,662.50
h. Landscaping, including Sunwood Drive NW boulevard streetscape plantings	$86,412.00	$108,015.00
TOTAL	$634,417.00	$793,021.00

ALDI agrees to construct the Required Improvements according to the terms and conditions of this Agreement, substantially in accordance with the Plans.

7. **Required Improvements Completion Date**. The Required Improvements shall be completed within twelve (12) months after the commencement of construction of the Required Improvements, subject to Unavoidable Delay (the "**Required Improvements Deadline**"). For the purposes of this Agreement, the term "**Unavoidable Delay**" means delays, outside the reasonable control of the party claiming its occurrence, which are the result of strikes, other labor troubles, unusually severe or prolonged bad weather, acts of God, global pandemic, epidemic, government mandated quarantine or travel bans, government mandate closures, fire or other casualty to the development contemplated by this Agreement, litigation commenced by third parties which, by injunction or other similar judicial action or by the exercise of reasonable discretion, results in delays, or acts of any federal, state or local governmental unit, shortages of materials, extraordinary restrictive governmental laws or regulations (such as gas rationing), riots, war, military power, sabotage. The time for performance of any obligation of ALDI set forth in this Agreement shall be extended for the period of the delay of such obligation due to Unavoidable Delay(s).

8. **Required Improvements Financial Guaranty**. In order to ensure the installation of the Required Improvements in accordance with CITY specifications and in a timely manner, ALDI shall be required to deposit with the CITY an irrevocable letter of credit, reasonably approved as to form by the CITY, in the amount of **$793,021.00** (the "**Financial Guaranty**"), which is 125% of the CITY's estimated cost of the Required Improvements. Prior to the issuance of the building permit, the Financial Guaranty must be provided as required herein.

   At the request of ALDI, the CITY shall, not more frequently than once monthly, release that part of the Financial Guaranty for any completed portion of the Required Improvements in the amount set forth in Section 6. Upon completion of the construction of all or any remaining of the Required Improvements, the Financial Guaranty shall be returned to ALDI and ALDI shall be required to provide the landscaping maintenance guaranty described in Section III Paragraph 11 of this Agreement. The determination of completion of the construction of the Required Improvements shall be made by the CITY, which such determination must be made reasonably, without delay, and in good faith. If, subject to Unavoidable Delay, ALDI fails to substantially construct and install the Required Improvements on or prior to the Required Improvements Deadline, and such failure continues for a period of 60 days (or such other greater period of time reasonably necessary to cure such failure if such failure is not reasonably able to be cured within such 60-day period, provided ALDI has undertaken procedures to cure such default within such 60-day period and diligently pursues such cure to completion) after ALDI's receipt of written notice from the City specifying such failure in reasonable detail, the City Council may order the completion of the Required Improvements with CITY day labor and/or by letting contracts for said completion and draw upon the letter of credit for payment. ALDI hereby grants permission and a license to the CITY and/or its contractors and assigns to enter upon the Subject Property for the purpose of completing the construction and installation of the Required Improvements in the event of ALDI**'s** default, which such permission and license shall automatically terminate and expire upon substantial completion of the Required Improvements.

9. **Site Inspection Fees.** ALDI shall be responsible for all reasonable site inspection costs incurred by the CITY related to the installation of Required Improvements. ALDI shall make a cash deposit into the appropriate escrow account at the CITY and the CITY shall have the authority to draw upon these funds for the purpose of compensating for inspection services. The amount of the deposit shall be equal to **$31,721.00**. Upon completion of the Required Improvements to the reasonable satisfaction of the CITY, any surplus balance remaining in the CITY's escrow account shall be refunded to ALDI within 30 days thereafter.

10. **Storm Water Regional Basin Contribution.** In lieu of constructing on-site storm water management basins, ALDI shall contribute an equal amount as the cost of constructing on-site basins to the CITY for use of the regional storm water basin in the amount of **$23,220.00**.

11. **Storm Water Management Fee.** ALDI is responsible for satisfying applicable Storm Water Management Fee requirements for the plat of COR FOUR. ALDI must pay a Storm Water Management Fee of **$7,715.00** (1.45 acres x $5,321.00 per acre). ALDI acknowledges that these fees are estimates. The rate in effect when the Plat is recorded will be collected.

12. **Park Dedication**. ALDI is responsible for satisfying applicable Park Dedication requirements with the plat of COR FOUR. ALDI must pay **$7,395.00** (park dedication) and **$1,885.00** (trail development). These amounts are based off 1.45 acres at $5,100 per acre (park dedication) and $1,300 per acre (trail development).

13. **Sanitary Sewer Connection (Trunk) Fees.** ALDI is responsible for satisfying applicable Sanitary Sewer Trunk Fee requirements for the plat of COR COUR. ALDI must pay a Sanitary Sewer Trunk Fee of **$5,891.00** (1.45 acres x $4,063.00 per acre). ALDI acknowledges that these fees are estimates. The rate in effect when the Plat is recorded will be collected.

14. **Water Connection (Trunk) Fees.** ALDI is responsible for satisfying applicable Water Trunk Fee requirements with the plat of COR FOUR. ALDI must pay a Water Trunk Fee of **$10,647.00** 1.45 acres x $7,343.00 per acre). ALDI acknowledges that these fees are estimates. The rate in effect when the Plat is recorded will be collected.

SECTION II
PERMITS AND OCCUPANCY

15. **Requirements for Building Permit.**

    a. No building permit shall be issued until ALDI has: (a) provided the CITY Building Official with a Certificate of Survey; (b) the Financial Guaranty described in Section I Paragraph 8 to the CITY; and (c) obtained all necessary permits from the Lower Rum River Watershed Management Organization and has provided a copy of such permit to the CITY, if applicable; and

    b. No occupancy permit shall be issued until ALDI has: (a) constructed vehicular access to the Subject Property, including the installation of at least one layer of bituminous surfacing; and (b) constructed all utilities and storm water facilities this Agreement requires to serve the Subject Property and such utilities and storm water facilities are in place, operational and accepted by the CITY as provided herein.

SECTION III
ON-SITE LANDSCAPING

16. **Maintenance Guaranty for Landscaping**. It is herein agreed that ALDI shall provide a maintenance guaranty to ensure the survival of the plantings that are a part of the Required Improvements. Said maintenance guaranty shall consist of cash or an irrevocable letter of credit, reasonably approved as to form by the CITY, in the amount of **$6,300.00** [# plantings (28 trees and 168 shrubs) x cost/planting ($300/tree and $75/shrub) x 30% average non-survival rate], which shall be in effect for a two (2) year period commencing on the date of the CITY's written acceptance of said plantings as part of the Required Improvements.

At the end of the two (2) year period, ALDI shall contact the CITY to schedule a final inspection of the landscaping. The determination that all plantings that have been planted in accordance with the Plans have either survived or have been replaced shall be made by the CITY, which determination shall be reasonably be made in good faith. Upon approval of the final landscape inspection by the CITY, the maintenance guaranty shall, within 30 days, returned to ALDI. In the event ALDI fails to maintain the required plantings for a two (2) year period, and such failure continues for 60 days (or such other greater period of time reasonably necessary to cure such failure if such failure is not reasonably able to be cured within such 60-day period, provided ALDI has undertaken procedures to cure such default within such 60-day period and diligently pursues such cure to completion) after ALDI's receipt of written notice specifying in reasonable detail such failure, the City Council may order the replacement of plantings with CITY day labor and/or by letting contracts and draw upon the escrow for payment. Only the City Council shall have the authority to direct replacement of the plantings and withdraw from the escrow account. ALDI hereby grants permission and a license to the CITY and/or its contractors and assigns to enter upon the Subject Property for the purpose of replacing plantings in the event of ALDI default as described herein.

SECTION IV
GENERAL

17. **Boulevard and Area Restoration**. ALDI shall be responsible for restoring all areas disturbed by the development grading operation in accordance with the approved erosion and sediment control plan. ALDI shall also be responsible for the cost of cleaning any material amounts of soil, earth or debris from the wetlands within and adjacent to the Subject Property resulting from grading performed in the development of the Subject Property.

18. **Construction Site Maintenance**. ALDI shall adhere to all CITY ordinances relating to, but not limited to, dumping of garbage, site development, construction debris, open burning, etc.

19. **Construction, Hours and Entrance Signs**. The **CITY** restricts construction and delivery hours to Monday through Saturday 7:00 a.m. to 10:00 p.m. ALDI is required to provide a sign at each entrance point stating delivery and construction operation hours. Said signs are not to exceed eighty (80) square feet in size and must be clearly visible at all times during the construction period. Extended hours are subject City Administrator's permission based on reasonable circumstances.

20. **Estimated Cost**. It is understood and agreed that cost amounts set forth in this Agreement as Required Improvements, unless specified as fixed amounts, are estimated. ALDI agrees to pay the entire cost of Required Improvements.

21. **Site Plan Approval Expenses**. ALDI agrees that it will pay to the CITY all actual, reasonable, third-party CITY expenses incurred in the approval of the Site Plan, including, but not limited to reasonable administration expenses, engineering and legal fees. Said expenses shall be paid within 30 days after ALDI's receipt of billing and reasonable supporting documentation from the CITY and outstanding billings shall be paid prior to issuance of the building permit. Any permissible expenses incurred after the release of the building permit shall also be paid within said 30 day billing period. Failure to pay the CITY's expenses within the 30 day billing period will permit the CITY to draw upon any of the escrows required by this contract for payment.

22. **Reimbursement to the City**. ALDI agrees to reimburse the CITY for all actual, reasonable, third-party costs incurred by the CITY in defense or enforcement of this Agreement, or any portion

thereof, including court costs and reasonable engineering and reasonable attorney's fees in the event the CITY is successful in such defense or enforcement.

23. **Invalidity of Any Section**. If any portion, section, subsection, sentence, clause, paragraph or phrase of this Agreement is for any reason held to be invalid by a court of competent jurisdiction, such decision shall not affect or void any of the other provisions of this Agreement.

24. **Proof of Authority**. ALDI shall provide the CITY with an authority resolution evidencing the authority of the signatory to this Agreement.

25. **Violation of This Agreement**. ALDI shall be in default of this Agreement if ALDI shall fail to perform obligations pursuant to this Agreement within 30 days after ALDI's receipt of written notice from the CITY specifying such failure (or such other greater period of time reasonably necessary to cure such failure if such failure is not reasonably able to be cured within such 60-day period, provided ALDI has undertaken procedures to cure such default within such 60-day period and diligently pursues such cure to completion) (each an "**Event of Default**"). If an Event of Default by ALDI shall occur, the CITY shall be entitled to recover, from ALDI or the issuer of ALDI financial guarantee, the full amount of any and all financial guarantees as necessary for the CITY to be reimbursed for its actual, reasonable costs and expenses incurred to cure such Event of Default. A material Event of Default by ALDI shall also be grounds for denial of Building Permit or issuance of Certificate of Occupancy.

26. **Certificate of Occupancy**. The term "**Certificate of Occupancy**" as used in this Agreement shall be defined as a document issued by the CITY's Building Official, which authorizes the structure to be used for its intended purposes.

27. **Agreement Binding on Successors and Assigns**. ALDI agrees that this Agreement shall be binding upon its successors and assigns.

28. **Counterparts**. This Agreement may be executed in counterparts, each of which when executed and delivered shall be deemed an original, but such counterparts together shall constitute but one and the same document.

29. **Enforcement**. This Agreement shall be enforceable only by the Parties and no other person or entity shall have the right to enforce any of the provisions contained herein. No amendment or modification of this Agreement shall be effective unless in writing and signed by both Parties.

30. **Notices**. Required notices shall be in writing, shall be deemed effective upon receipt, may be transmitted by the Parties' legal counsel, and shall be either hand delivered to the Parties, its employees or agents, or mailed to them by certified or registered mail, or by reputable overnight courier (e.g., FedEx or UPS) at the following address:

TO ALDI:

Aldi Inc. (Minnesota)
Attn: Andrew Mack, Director of Real Estate
4201 Bagley Ave. N.
Faribault, MN 55021

With a Copy to:

Kayne Law Group
Attn: Jacob Worrel, Esq.
612 Park Street, Ste 100
Columbus, OH 43215

TO THE CITY:
City of Ramsey
Attn: Community Development Director
7550 Sunwood Drive NW
Ramsey, MN 55303

[The rest of this page left intentionally blank]

ALDI:

ALDI INC. (MINNESOTA),
a Minnesota corporation

By:_____
Steve Bowman, Group Director of Real Estate

STATE OF OHIO)
)ss.
COUNTY OF FRANKLIN)

The foregoing instrument was acknowledged before me this _____ day of _____, 2023, by Steve Bowman, the Group Director of Real Estate of Aldi Inc. (Minnesota), a Minnesota corporation. This is an acknowledgment certificate. No oath or affirmation was administered to the signer with regard to the notarial act.

_____
Notary Public for _____

My Commission expires:_____

THE CITY:

CITY OF RAMSEY

By:_____
Mark E. Kuzma
Its: Mayor

By:_____
Brian Hagen
Its: City Administrator

STATE OF MINNESOTA)
)ss.
COUNTY OF ANOKA)

The forgoing instrument was acknowledged before me on this_____ day of_____ 2023, by Mark E. Kuzma and Brian Hagen, the Mayor and the City Administrator of the City of Ramsey, a charter city and municipal corporation organized under the laws of the state of Minnesota on behalf of the City.

_____

Notary Public

This document drafted by:
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

This document reviewed by:
HKB Law, P.A.
413 Wacouta Street, Suite 550
St. Paul, MN 55101

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Promote economic growth and development.

Information

Title

Adopt Resolution #23-209 Approving Sale of Lot 1, Block 1, COR FOUR, Easements, Covenants and Restrictions (ECR) Agreement and 2nd Amendment to Declaration of ECR; ALDI

Purpose/Background:

The purpose of this case is to consider approval of Resolution #23-209 which incorporates the sale of Lot 1, Block 1, COR FOUR, the Second Amendment to Amended Declaration of Easements and Covenants and Restrictions for COR TWO and the Easements, Covenants and Restrictions (ECR) Agreement as outlined in the Original Purchase Agreement with Aldi. Each item and a brief description of its purpose is provided below.

Sales Resolution for Lot 1, Block 1, COR FOUR

Resolution #23-209 updates the legal description from a portion of Lot 1, All of Lot 2 and All of Lot 3, Block 1 COR TWO to the newly plated legal of Lot 1, Block 1 COR FOUR. This is required to file the documents at Anoka County. Sales Ordinance 15-05 has been approved declaring the land as surplus property and permitting its sale as required by the City Charter.

Second Amendment to Amended Declaration of Easements and Covenants and Restrictions for COR TWO

Resolution #23-209 updates the maintenance responsibilities for all owners in the newly platted COR FOUR. It also defines the location of the Storm Sewer Easement and West Access Agreement on the new COR FOUR plat and incorporates Aldi as a new owner along with the new responsibilities.

Easements, Covenants and Restrictions (ECR) Agreement

Resolution #23-209 incorporates the items previously approved in the Purchase Agreement with Aldi. The document further defines Ingress/Egress easements, utility easements, exclusive and shared parking areas and Use Restrictions for the COR FOUR plat for the City and Aldi. The Use Restrictions (Exhibit D) presented are only over Lots 1 and 2, COR FOUR and have been previously approved by the City Council through the PA process.

The City Attorney has reviewed attached documents and has approved their form and content.

Notification:

No Public Notice is required.

Observations/Alternatives:

Staff is looking forward to the ALDI project breaking ground and adding another shopping option for Ramsey residents. Once the attached documents (ECR, Amended Declaration) as well as the Development Agreement (Planning Case) are approved, a closing can be set up for October/November 2023. The timing is such that there is a possibility that the construction could be pushed to spring 2024 based on the closing date. ALDI is hopeful it can close soon and that a building permit can be pulled in 2023.

Alternatives include:

1) Adopt Resolution #23-209 Approving Sale of Lot 1, Block 1, COR FOUR. Easements, Covenants and Restrictions (ECR) Agreement and Second Amendment to Amended Declaration of Easements, Covenants and Restrictions for COR TWO (as presented); subject to City Attorney review.

2) Adopt Resolution #23-209 Approving Sale of Lot 1, Block 1, COR FOUR. Easements, Covenants and Restrictions (ECR) Agreement and Second Amendment to Amended Declaration of Easements, Covenants and Restrictions for COR TWO (with changes); subject to City Attorney review.
3) Something Else

Funding Source:

Proceeds from Sale of land to Aldi will be used to pay for recording of documents.

Recommendation:

Adopt Resolution #23-209 Approving Sale of Lot 1, Block 1, COR FOUR. Easements, Covenants and Restrictions (ECR) Agreement and Second Amendment to Amended Declaration of Easements, Covenants and Restrictions for COR TWO (as presented); subject to City Attorney review.

Action:

Motion to Adopt Resolution #23-209 Approving Sale of Lot 1, Block 1, COR FOUR. Easements, Covenants and Restrictions (ECR) Agreement and Second Amendment to Amended Declaration of Easements, Covenants and Restrictions for COR TWO (as presented); subject to City Attorney review.

Attachments

Site Location Map
ACTION - Resolution #23-209
ACTION - ECR Agreement - ALDI
ACTION - 2nd Amendment to Dec of Easements, Covenants and Restrictions
ACTION - Right of Re-Entry Agreement
REFERENCE- Purchase Agreement - ALDI - Executed
REFERENCE - 1st Amendment to Declaration of Easements, Covenants and Restrictions
REFERENCE - Original Declaration Easements, Covenants and Restrictions
FINAL PLAT - COR FOUR

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 10:46 AM
Form Started By: Sean Sullivan		Started On: 09/05/2023 11:35 AM
Final Approval Date: 09/21/2023		

Site Location Map - Aldi

Parcel Information:
28-32-25-23-0011, 12, 13

RAMSEY
MN 55303
Plat: COR TWO

Approx. Acres: 2.83
Commissioner: MATT LOOK

Owner Information:
RAMSEY CITY OF
7550 SUNWOOD DRIVE
RAMSEY
MN
55303

Sean Sullivan	1:2,400	Date: 2/9/2023

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-209

RESOLUTION APPROVING SALE OF LOT 1, BLOCK 1, COR FOUR, EASEMENTS, COVENANTS AND RESTRICTIONS (ECR) AGREEMENT AND SECOND AMENDMENT TO AMENDED DECLARATION OF EASEMENTS, COVENANTS AND RESTRICTIONS FOR COR TWO; ALDI

WHEREAS, the City of Ramsey, herein referred to as the "City," owns various parcels throughout the City of Ramsey; and

WHEREAS, the City executed a Purchase Agreement for the sale of Portion of Lot 1, all of Lot 2 and all of Lot 3, Block 1, COR TWO; to be platted as: Lot 1, Block 1, COR FOUR (the "Property") to **Aldi Inc., a Minnesota Corporation** and/or its assigns (the "Buyer"); legally described in Exhibit A, attached hereto; and

WHEREAS, the City and the Buyer have negotiated a purchase price of $725,000 on +/- 2.81 acres (122,404 square feet) as outlined in Exhibit A (the "Purchase Price"). The per square foot cost is $5.92 based on the final acreage of the final plat; and

WHEREAS, the City and Buyer have negotiated an Easements, Covenants and Restrictions Agreement (the "ECR") reaffirming the Use Restrictions, Easements, Covenants approved in the Purchase Agreement and defining additional easements and covenants for Lots 1, and 2, Block 1, COR FOUR; and

WHEREAS, the City and Buyer have negotiated a Second Amendment to Amended Declaration of Easements, Covenants and Restrictions for COR TWO (the "Amended Declaration") updating the West Access Easement location, Storm Sewer Easement location and reallocating maintenance requirements from the City to Aldi for COR FOUR; and

WHEREAS, the City Attorney has reviewed the ECR and Amended Declaration as to form and content and recommends approval; and

WHEREAS, the City hereby declares the Property to be surplus City-owned land, and is no longer needed for current or future City functions, and authorizes the property to be sold as identified in Ordinance 15-05; and

WHEREAS, the Purchase Agreement also included the form of a Use Restriction Agreement incorporated into the ECR and a Right of Re-Entry Agreement be recorded at the closing of this land transaction; and

WHEREAS, the Buyer is a company that is active and in good standing as documented in the Office of the Secretary of State as of September 20, 2023.

NOW THEREFORE, BE IT RESOLVED BY THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the City Council hereby authorizes the sale of Lot 1, Block 1, COR FOUR (the "Property") to **Aldi Inc., a Minnesota Corporation** and/or its assigns, for $725,000 on +/- 2.81 acres (122,404 square feet) as outlined in Exhibit A (the "Purchase Price") subject to contingencies included in the Purchase Agreement. The per square foot cost is $5.92 based on the final acreage of the final plat; subject to City Attorney review

2) That the City Council hereby authorizes execution of the Easements, Covenants and Restrictions (ECR) Agreement; subject to City Attorney review.

3) That the City Council hereby authorizes execution of the Second Amendment to Amended Declaration of Easements, Covenants and Restrictions for COR TWO (Amended Declaration); subject to City Attorney review.

4) That the City Council hereby authorizes execution of the Right of Re-Entry Agreement

5) That the City Council hereby authorizes the City Administrator and Mayor to sign any and all documents necessary to close on the sale of the Property, consistent with Charter and State law requirements; subject to City Attorney review

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Exhibit A
Legal Description of the Property

Portion of Lot 1, all of Lot 2 and all of Lot 3, Block 1, COR TWO, to be platted as: Lot 1, Block 1, COR FOUR

Anoka County PID Numbers: 28-32-25-23-0011, 28-32-25-23-0012 and Part of 28-32-25-23-0013.

Recording Requested By And When Recorded Mail To:

Kayne Law Group, Co., P.A.
612 Park St.
Suite 100
Columbus, Ohio 43215
Attn: Jacob Worrel, Esq.

SPACE ABOVE FOR RECORDER'S USE ONLY

EASEMENTS, COVENANTS, AND RESTRICTIONS AGREEMENT

THIS EASEMENTS, COVENANTS, AND RESTRICTIONS AGREEMENT (this "**Agreement**") is executed, delivered and made effective as of this ____ day of _____, 2023 (the "**Effective Date**"), by and between **City of Ramsey**, a Minnesota municipal corporation ("**City**"), and **Aldi Inc. (Minnesota)**, a Minnesota corporation ("**Aldi**").

Background Information

A. Aldi and City entered into that certain Real Estate Purchase Agreement, dated March 3, 2023 (the "**Purchase Agreement**"). As a result, Aldi and City each own certain parcels of real property located at the southwest corner of Armstrong Blvd. SW and 147th Ave. N in Ramsey, Minnesota. A copy of a site plan that generally depicts the properties owned by each of the Parties is attached hereto and made a part hereof as Exhibit A (the "**Site Plan**").

B. Aldi's parcel, containing approximately 2.81 acres, is more particularly described on Exhibit B, attached hereto and made a part hereof (the "**Aldi Property**").

C. City's parcel, containing approximately 1.16 acres located adjacent to the Aldi Property, is more particularly described on Exhibit C, attached hereto and made a part hereof (the "**City Property**"; collectively, the Aldi Property and the City Property are sometimes referred to collectively as the "**Overall Parcel**" and individually sometimes as a "**Property**").

D. In order to provide for, among other things, the coordinated development and operation of the Overall Parcel, the Parties have agreed to grant to the other certain easements upon the terms and conditions specifically provided for herein. In addition, the Parties have agreed to subject the Overall Parcel to certain restrictions on use and development, as hereinafter set forth.

AGREEMENT

NOW, THEREFORE, in consideration of the premises, as set forth in the foregoing Background Information, and of the mutual promises herein set forth, and other good and valuable consideration paid, the Parties do hereby agree as follows:

ARTICLE I
Easements

1.01. Ingress/Egress Easement to Aldi. Subject to the terms and conditions set forth in this Agreement, City hereby grants and conveys to Aldi and its successors and assigns (including without limitation Aldi's employees, agents and customers), as an easement appurtenant to the Aldi Property, a permanent, non-exclusive easement and right-of-way for the purpose of pedestrian and vehicular (including Aldi's delivery tractor trailers) ingress, egress, passage, and traffic upon, over, across, and through the driveways (including, but not limited to, the portions of the "**Critical Access Drives**", generally depicted on the Site Plan located on the City Property, as applicable), drive aisles and walkways on the City Property, as they may exist and/or be modified, from time to time. City hereby reserves the right to use the foregoing easement areas for all purposes that will not interfere with Aldi's full enjoyment of the rights granted hereby. City shall further have the right to relocate or otherwise modify any and all of such driveways, drive aisles and walkways; provided, however, City shall not alter, relocate or close the portions of the Critical Access Drives located on the City Property without the prior written consent of Aldi.

1.02. Ingress/Egress Easement to City. Subject to the terms and conditions set forth in this Agreement, Aldi hereby grants and conveys to City and its respective successors and assigns, as an easement appurtenant to the City Property, a permanent, non-exclusive easement and right-of-way for the purpose of pedestrian and vehicular ingress, egress, passage, and traffic upon, over, across, and through the driveways, drive aisles and walkways on the Aldi Property as they may exist or be modified, from time to time. Aldi hereby reserves the right to use the foregoing easement areas for all purposes that will not interfere with City's full enjoyment of the rights granted hereby. Aldi shall further have the right to relocate or otherwise modify any and all of such driveways, drive aisles and walkways.

1.03. Utility Easement to Aldi. Subject to the terms and conditions set forth in this Agreement, City hereby grants and conveys to Aldi and its successors and assigns, as an easement appurtenant to the Aldi Property, a non-exclusive easement over, under and across the City Property as may be necessary for the installation, operation, flow, passage, use, maintenance, connection, repair, relocation and removal of utility lines, connections and related improvements (collectively, "**Utility Lines**" and individually, a "**Utility Line**"), together with the right of ingress and egress for the foregoing purposes. Utility Lines include, but are not limited to, sanitary sewers, storm drains, water (fire and domestic), gas, electrical, telephone and communication lines. City shall have the right at any time to relocate a Utility Line located upon its Property upon 30-days prior written notice to Aldi; provided, however, that such relocation: (a) shall not interfere with or diminish the utility service to the Aldi Property; (b) shall not reduce or unreasonably impair the usefulness or function of such Utility Line; (c) shall be performed without cost or expense to Aldi; and (d) shall be completed using materials and design standards which equal or exceed those originally used. Aldi shall install, maintain and replace, at its sole cost and expense and in a good condition, its Utility Lines that are located on the City Property (unless the provider of the service or a governmental or quasi-governmental authority has agreed to maintain such Utility Line). Any maintenance and repair of Utility Lines located on the City Property shall be performed in such a manner as to cause as little disturbance in the use of the City Property as is practicable under the circumstances. Following Aldi's installation, maintenance or replacement

of a Utility Line on the City Property, Aldi shall restore the affected portion of the City Property to a condition equal to (the extent reasonably practicable under the circumstances) or better than the condition which existed prior to commencement of such work.

1.04. Temporary Construction Easement to Aldi. Subject to the terms and conditions set forth in this Agreement, City hereby grants and conveys to Aldi and its successors and assigns (including without limitation Aldi's employees, agents and customers), a non-exclusive temporary construction easement and right-of-way for the benefit of the Aldi Property to the extent needed in accordance with good construction practices, but only during a period of construction on the Aldi Property, on, over, across and through the City Property for the purposes of facilitating construction on the Aldi Property and providing a temporary means of access for construction vehicles to and from the Aldi Property and facilitating construction of such improvements on the Aldi Property. Such construction activities shall be performed in such a manner as to cause as little disturbance in the use of the City Property as is practicable under the circumstances. Similarly, construction activities shall be performed on the City Property so as to minimize interference with the business activities conducted on the Aldi Property.

1.05. Reciprocal Parking Easements

(a) Subject to the terms and conditions set forth in this Agreement, Aldi hereby grants and conveys to City and its respective successors and assigns, as an easement appurtenant to the City Property, a permanent, non-exclusive easement and right-of-way for the purpose of passenger vehicular parking, over, across, and through the parking areas on the Aldi Property, as they may exist or be modified, from time to time. Aldi hereby reserves the right to use the foregoing easement areas. Aldi shall further have the right to relocate or otherwise modify any and all of such parking areas. The foregoing easement is to permit cross parking only by retail customers while they are visiting the City Property. Further, such parking easement shall be conditioned up on the following: (i) such parking rights in favor of the City Property shall not apply to, and City shall have no parking easement or other rights with respect to, that portion of the Aldi Property referred to herein and depicted on the Site Plan as "**Aldi's Exclusive Parking Area**", it being the agreement and intent of Aldi and City that Aldi shall have the sole and exclusive use of Aldi's Exclusive Parking Area; (ii) City shall maintain the parking spaces, including the number and width thereof, along with the parking spaces, parking lanes and parking bays, located on the City Property, at a minimum, in accordance with all applicable laws without variance therefor; (iii) the City Property shall contain sufficient parking spaces in order to independently comply with all governmental requirements (without variance) without reliance upon any parking spaces located on the Aldi Property; and (iv) City maintaining parking spaces on the City Property and allowing Aldi to park on the City Property pursuant to Section 1.05(b) below. Except as set forth in this Section 1.05, no easement for vehicular parking upon, over and across the Aldi Property is granted by this Agreement.

(b) Subject to the terms and conditions set forth in this Agreement, City hereby grants and conveys to Aldi and its respective successors and assigns, as an easement appurtenant to the Aldi Property, a permanent, non-exclusive easement and right-of-way for the purpose of passenger vehicular parking, over, across, and through the parking areas on the City Property, as they may exist or be modified, from time to time. City hereby reserves the right to use the foregoing easement areas. City shall further have the right to relocate or otherwise modify any and all of such parking areas. The foregoing easement is to permit cross parking only by retail customers while they are visiting the Aldi Property. Further, such parking easement shall be conditioned up on the following: such parking rights in favor of Aldi Property shall not apply to,

and Aldi shall have no parking easement or other rights with respect to, that portion of the City Property referred to herein and depicted on the Site Plan as "**City's Exclusive Parking Area**", it being the agreement and intent of Aldi and City that City shall have the sole and exclusive use of City's Exclusive Parking Area. Except as set forth in this Section 1.05, no easement for vehicular parking upon, over and across the City Property is granted by this Agreement.

1.06. Visibility Easement to Aldi. Subject to the terms and conditions set forth in this Agreement, City hereby grants and conveys to Aldi, its successors and assigns, as an easement appurtenant to the Aldi Property, a perpetual, non-exclusive easement for maintaining the visibility of Aldi's building and signage on the Property within that portion of the City Property depicted on the Site Plan and referred to herein as the "**No-Build Area**". City shall not (and shall not permit any other person to), without Aldi's prior written consent, within the No-Build Area, construct, erect, or install any permanent or temporary buildings, structures or other improvements, except for curbs, light poles, paving, signage, landscaping and street signage.

ARTICLE II
Restrictions

2.01. Use Restrictions on City Property. City hereby covenants and agrees, for itself and, its respective successors and/or assigns, that it will not lease, rent, sell or use, or permit the use of, the City Property, for any of the prohibited uses set forth on Exhibit D, attached hereto and made a part hereof.

2.02. Aldi's Exclusive Use. City, for itself, its successors and assigns, covenants and agrees, and hereby declares and imposes on City Property, for the benefit of the Aldi Property, that the City Property shall not be leased, rented, sold or otherwise permit to be owned, controlled, leased, used or occupied for the operation of a Retail Grocery Store. The term "**Retail Grocery Store**" means a supermarket, a meat market, a grocery store, a fruit and vegetable store or stand, a frozen or otherwise processed food store, and any other store where more than 1,500 square feet (including adjacent aisle space) is used for the sale or display of grocery items. "Retail Grocery Store" shall also include the operation of a grocery pick-up service (e.g. Clicklist, Curbside Pickup or similar service) anywhere within the City Property, whether or not the premises from which the service is offered is also used for the sale and display of grocery items. "Retail Grocery Store" does not include a delicatessen or any restaurant wherein prepared food is sold for on-premises or "take-out" consumption

ARTICLE III
Intentionally Deleted.

ARTICLE IV
Insurance; Indemnification

4.01. Insurance. Each Party shall, at its own expense, obtain, carry and keep in force commercial general liability insurance against any liability or claim for personal injury, wrongful death or property damage for which the Party is responsible to the other under this Agreement or by law, with financially responsible insurers authorized to transact insurance business in the State in which the Overall Parcel is located, with a combined single limit of not less than $2,000,000.00 per occurrence. Such insurance shall include all of the coverage typically provided by the Broad Form Comprehensive General Liability Endorsement. Such insurance may be written by additional premises endorsement on any master policy of insurance which may cover other

property in addition to the Overall Parcel which is the subject of this Agreement; provided that the insurer shall provide a schedule to each Party showing that the coverage provided by such policy shall (a) meet the requirements of this Agreement; (b) not be reduced by any claims made with respect to other properties; and (c) be in such amount as will preclude the insureds from being held to be co-insurers. The policies shall name Aldi and City as additional insureds (as their interests may appear) and shall provide that they may not be canceled without 30 days' prior written notice to both insureds. Upon request, each Party shall provide to the other a certificate of insurance evidencing such coverage. Notwithstanding the foregoing provisions hereof to the contrary, Aldi (or the entity that owns a controlling interest of Aldi, if self-insuring on Aldi's behalf) shall have the right to self-insure for the risks described in this Section 4.01.

4.02. Indemnification.

(a) By City. Except for injuries, deaths, losses, damages, or other matters resulting from the acts or omissions of Aldi or of Aldi's agents, employees, servants, contractors and licensees, City shall indemnify Aldi and save it harmless from and against all loss, liability, damage, actions, causes of action, or claims for injury, death, loss or damage of whatever nature to any person, property or business interest caused by or resulting from an act or omission of City or of City's agents, employees, servants, contractors or licensees arising out of City's use and occupancy of the City Property, and from and against any and all costs, expenses or liabilities (including reasonable fees of attorneys, paralegals, experts, court reporters and others) incurred by Aldi in connection with any claim, action or proceeding in respect of any such loss, liability, damage or claim.

(b) By Aldi. Except for injuries, deaths, losses, damages, or other matters resulting from the acts or omissions of City or of City's agents, employees, servants, contractors and licensees, Aldi shall indemnify City and save it harmless from and against all loss, liability, damage, actions, causes of action, or claims for injury, death, loss or damage of whatever nature to any person, property or business interest caused by or resulting from an act or omission of Aldi or of Aldi's agents, employees, servants, contractors or licensees arising out of Aldi's use and occupancy of the Aldi Property, and from and against any and all costs, expenses or liabilities (including reasonable fees of attorneys, paralegals, experts, court reporters and others) incurred by City in connection with any claim, action or proceeding in respect of any such loss, liability, damage or claim.

ARTICLE V
Damage and Destruction

5.01. The Aldi Improvements. In the event the improvements on the Aldi Property (the "**Aldi Improvements**") are either destroyed or damaged by fire, flood, earthquake, or other casualty, Aldi shall have no obligation, under this Agreement, to repair, rebuild or restore the Aldi Improvements. However, if Aldi elects to repair, rebuild or restore the Aldi Improvements after any such damage or destruction, all construction activities undertaken in connection therewith shall be conducted so as to minimize interference with City's use of its Property and the rights granted to it under this Agreement. If Aldi elects not to repair, rebuild or restore the Aldi Improvements after any such damage or destruction, Aldi shall raze the damaged improvements and either pave or seed and maintain such area and the easements granted to City pursuant to Article I hereof shall continue in full force and effect.

5.02. The City Improvements. In the event the improvements on the City Property (the "**City Improvements**") are either damaged or destroyed by fire, flood, earthquake, or other casualty, City shall have no obligation, under this Agreement, to repair, rebuild or restore the City Improvements. However, if City elects to repair, rebuild or restore the City Improvements after any such damage or destruction, all construction activities undertaken in connection therewith shall be conducted so as to minimize interference with Aldi's use of its Property and the rights granted to it under this Agreement. If City elects not to repair, rebuild or restore the City Improvements after any such damage or destruction, City shall raze the damaged improvements and either pave or seed and maintain such area and the easements granted to Aldi pursuant to Article I hereof shall continue in full force and effect. Notwithstanding anything to the contrary contained in this Section 5.02, if the Critical Access Drives are destroyed or damaged, City shall, within 30 days after the date of such damage and/or destruction, restore the Critical Access Drives to the minimum condition necessary for Aldi's continued use thereof as existed prior to such damage or destruction.

ARTICLE VI
Defaults and Remedies

6.01. Defaults. If any Party (the "**Defaulting Party**") should fail to observe any of the terms, conditions, restrictions or provisions of, or should fail to perform any of its covenants or obligations under this Agreement within a period of 30 days (or such lesser period as may be reasonably necessary in the event of a failure which poses an imminent threat of personal injury or damage to property) after the other Party (the "**Non-Defaulting Party**") has given to the Defaulting Party written notice thereof, then the Defaulting Party shall be in default under this Agreement; provided that if the obligation is of such a nature that the same cannot, with due diligence, be reasonably performed within such 30-day period, then such default shall be deemed to have been cured if the Defaulting Party commences such performance within such 30-day period and thereafter undertakes and proceeds with due diligence to complete the same and does complete the same within a reasonable time. If a default has occurred and is not cured within the time period specified in this Section 6.01, then the Non-Defaulting Party shall have all of the rights and remedies afforded to it by law and also all of the rights and remedies set forth in Section 6.02 hereof (whether or not they are expressly provided by statute or recognized by judicial precedent), any one or more of which may be exercised and enforced independently or concurrently at any time that such default remains uncured, without waiving any of the Non-Defaulting Party's other rights and remedies, and all of which shall, to the extent applicable, survive the termination of any right granted in this Agreement.

6.02. Remedies.

(a) Cure. Following the expiration of the applicable cure period, the Non-Defaulting Party may, at its election, cure any default of the Defaulting Party under this Agreement; and if the Non-Defaulting Party should do so, then it shall be entitled to be reimbursed for all reasonable and documented costs and expenses expended by it in connection therewith, which amounts shall be due and payable by the Defaulting Party to the Non-Defaulting Party on demand.

(b) Civil Actions. Following the expiration of the applicable cure period, the Non-Defaulting Party may bring an action against the Defaulting Party for the specific performance of any obligation undertaken by the Defaulting Party in this Agreement, for injunctive or other equitable relief, or for damages in any court of competent jurisdiction for the County in which the

Overall Parcel is located, or such other jurisdiction as may be agreed to between the Parties, in order to enforce the rights and remedies available to the Non-Defaulting Party.

6.03. Obstruction Events. Notwithstanding anything to the contrary contained in this Agreement, in the event vehicular access to the Aldi Property is obstructed due to an obstruction on the City Property (including, but not limited to, the Critical Access Drive) or an activity of an City Permittee (each such event, a "**City Obstruction Default**"), Aldi may notify City by any means reasonable under the circumstances, including via email or telephone, of the City Obstruction Default and demand that the City Obstruction Default be remedied. If, after 24 hours after such notice has been provided, City has not (i) remedied the City Obstruction Default or (ii) commenced to remedy the City Obstruction Default and thereafter remedied such City Obstruction Default within 24 hours, Aldi shall have the right (but not the obligation) to remedy the City Obstruction Default (including the right to enter upon the City Property) and shall be reimbursed by City for the reasonable costs for such remedy in accordance with the provisions of Section 6.02(a) above. Further and notwithstanding anything to the contrary contained in this Agreement, in the event vehicular access to the City Property is completely obstructed due to an obstruction on the Aldi Property or an activity of an Aldi Permittee (each such event, an "**Aldi Obstruction Default**"), City may notify Aldi by any means reasonable under the circumstances, including via email or telephone, of the Aldi Obstruction Default and demand that the Aldi Obstruction Default be remedied. If, after 24 hours after such notice has been provided, Aldi has not remedied the Aldi Obstruction Default or commenced to remedy the Aldi Obstruction Default and thereafter remedies such Aldi Obstruction Default within 24 hours, City shall have the right (but not the obligation) to remedy the Aldi Obstruction Default (including the right to enter upon the Aldi Property) and shall be reimbursed by Aldi for the reasonable costs for such remedy in accordance with the provisions of Section 6.02(a) above.

6.04. Interest; Lien. All amounts owing under this Agreement that are not timely paid shall accrue interest ("**Interest**") thereon from and after the due date at the lower of (i) the rate of 12% per annum, or (ii) the maximum rate permissible from time to time under applicable law. To the maximum extent permitted by applicable law, any amount owed under this Agreement constitutes a lien against the Property of the obligated Party. Any provision of this Agreement to the contrary notwithstanding, all liens established hereby shall be in all respects subject and subordinate to the lien of any mortgages or deeds of trust existing prior to the date the charge giving rise to such lien became due and payable.

ARTICLE VII
Notices; Notice of Transfer

7.01. Notices. Any notice or other communication required or permitted to be given to a Party under this Agreement shall be in writing and shall be deemed effective upon delivery (or refusal of delivery) when transmitted by one of the following methods to such Party at the address set forth at the end of this Section 7.01: (a) via a nationally recognized overnight delivery service (such as FedEx or UPS); or (b) by certified mail, postage prepaid, return receipt requested. Either Party may change its address for notice by giving written notice thereof to the other Party at least 10 business days prior to the effective date of such change of address. The address of each Party for notice initially is as follows:

(a) If intended for City, to:

City of Ramsey
7550 Sunwood Dr. NW
Ramsey, MN 55303
Attention: Brian Hagen
Email: bhagen@cityofframsey.com

With a copy to:

Holstad and Knaak
413 Wacouta Street
Suite 500
St. Paul, MN 55101
Attention: Fritz Knaak, Esquire
Email: fknaak@klaw.us

(b) If intended for Aldi, to:

Aldi Inc. (Minnesota)
4201 Bagley Ave N.
Faribault, MN 55021
Attention: Andrew Mack, Director of Real Estate
Fax #: (507) 333-9475
Email: Andrew.mack@aldi.us

With a copy to:

Kayne Law Group, CO., P.A.
612 Park Street, Suite 100
Columbus, OH 43215
Attention: Jacob Worrel, Esq.
Email: jworrel@kaynelaw.com

7.02. Notice of Conveyance. If a Party (a "**Conveying Party**") should convey its fee interest in and to its Property (or any portion thereof) to another Person, it may notify the other Party of such conveyance in the manner provided in Section 7.01 hereof. Such notice shall contain the name of the grantee and the address of such grantee for purposes of receiving notices hereunder. Unless and until a Conveying Party notifies the other Party of a conveyance of its fee interest in its Property and the name and address of the transferee, notices addressed to the Conveying Party as provided for in Section 7.01 shall continue to be effective, but the other Party may also send notices that shall be deemed effective hereunder to such grantee at the tax mailing address listed for such grantee on the books of the County Assessor of Property, until such time as the grantee has notified the other Party of a different notice address in the manner provided in Section 7.01 hereof.

ARTICLE VIII
Miscellaneous Provisions

8.01. Successors and Assigns. This Agreement shall inure to the benefit of and be binding upon the respective successors and assigns (including successive, as well as immediate, successors and assigns) of the Parties.

_____ / _____

8.02. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the state in which the Overall Parcel is situated. For all litigation, disputes and controversies which may arise out of or in connection with this Agreement, the undersigned hereby waive the right to trial by jury and consent to the jurisdiction of the courts in the state in which the Overall Parcel is situated. In the event either Party hereto brings or commences legal proceedings to enforce any of the terms of this Agreement, the successful Party shall then be entitled to receive from the other Party(s), in every such action commenced, a reasonable sum as attorneys' fees and costs, including all fees and costs incurred upon any appeals, to be fixed by the court in the same action.

8.03. Restoration. If, as a result of the exercise of any easement rights created under this Agreement, a Party shall damage or disturb the improvements of another Party, the Party causing such damage or disturbance shall, at its sole expense, promptly repair or restore the Property of such other Party to, as nearly as possible, the condition existing prior to such damage or disturbance.

8.04. Lien Removal. If, as a result of either Party's (the "**Contracting Party's**") exercise of any of the rights granted to it in this Agreement to enter onto and/or perform work upon the other Party's Property, a lien is filed by any contractor, subcontractor, laborer or materialman, then the Contracting Party shall discharge, bond or otherwise remove each such lien within 30 days following written notice from the other Party. If the Contracting Party fails to so discharge, bond or otherwise remove any such lien within such period of time, the other Party may do so and the Contracting Party shall reimburse the other Party upon demand therefor for the reasonable cost thereof, including, without limitation, reasonable attorney fees incurred in discharging such lien, and Interest.

8.05. Counterpart Originals. This Agreement may be executed in one or more counterparts, each of which shall be deemed to be a duplicate original, but all of which, taken together, shall constitute a single instrument. Signature pages may be detached from multiple separate counterparts and attached to a single counterpart so that all signature pages are physically attached to the same document.

8.06. Article and Section Captions. The Article and Section captions contained in this Agreement are included only for convenience of reference and do not define, limit, explain or modify this Agreement or its interpretation, construction or meaning and are in no way to be construed as a part of this Agreement.

8.07. Severability. If any provision of this Agreement or the application of any provision to any Person or any circumstance shall be determined to be invalid or unenforceable, then such determination shall not affect any other provision of this Agreement or the application of said provision to any other Person or circumstance, all of which other provision shall remain in full force and effect.

8.08. Amendments in Writing. No change, amendment, termination or attempted waiver of any of the provisions of this Agreement shall be binding upon any Party unless in writing and signed by the Parties.

8.09. Agreement for Exclusive Benefit of Parties. The provisions of this Agreement are for the exclusive benefit of the Overall Parcel, the Parties (and their successors and assigns) and

not for the benefit of any other Persons, and this Agreement shall not be deemed to have conferred any rights, express or implied, upon any other Persons.

8.10. No Partnership, Joint Venture or Principal-Agency Relationship. Neither anything contained in this Agreement nor any acts of the Parties shall be deemed or construed by the Parties, or either of them, or by any third Person, to create the relationship of principal and agent, or of partnership, or of joint venture, or of any association between the Parties to this Agreement.

8.11. Reasonableness of Consent or Approval/Further Actions. Whenever a Party is entitled to exercise some right under this Agreement, only with the prior consent or approval of another Party, such consent or approval shall not be unreasonably withheld or delayed. If a Party is required to obtain the written consent or approval of another Party to effectuate a plat, subdivision or lot split of such Party's property, the other Party shall not unreasonably withhold, condition or delay such written consent or approval.

8.12. Covenants Run With the Land. It is intended that the covenants, easements, agreements, promises and duties of each Party, as set forth in this Agreement, shall be construed as covenants and not as conditions and that all such covenants shall (subject to the provisions of Section 8.14 hereof) be enforceable against the covenantor and shall also run with the land or constitute equitable servitudes as between the Property of the respective covenantor, as the servient tenement, and the Property of the respective covenantee, as the dominant tenement. If a Property is subdivided and sold, any obligation or expense attributed to a subdivided parcel shall be deemed an expense of such subdivided parcel and the then owner thereof. Any owner of a Property which is the subject hereof may grant the benefit of, or allow the use of, any right, easement or interest hereunder to any Permittee of any owner from time to time; provided that any such Permittee shall have no greater rights than its permittor and shall look solely to its permittor (or to such permittor's successors or assigns), in each case, for the enforcement of the provision of this Agreement.

8.13. No Merger. All of the provisions of this Agreement are for the mutual benefit and protection of the present and all future owners of the Overall Parcel; and if there should at any time be common ownership of any of the Overall Parcel, or any estate therein then it is the intention of the Parties that there be no merger into the respective fee simple estates of the rights and benefits and the obligations and burdens of this Agreement, but rather that such rights and benefits and such obligations and burdens shall be separately preserved for the benefit of all future owners of the fee simple estates in the Overall Parcel.

8.14. No Dedication. Nothing in this Agreement shall be deemed to constitute a gift, grant or dedication of any portion of the Overall Parcel to the general public or for any public purpose; provided that the Parties shall have the right to extend the benefit of any of the easements granted herein to any governmental unit, public body and/or utility company for the purpose of the construction, installation, operation, maintenance, repair, relocation, modification, extension or alteration of utility lines and related facilities, but such grant shall be subject to the terms and conditions hereof.

8.15. Termination of Liability Upon Transfer. If the owner of a Property should transfer its fee simple interest (or any portion thereof) in and ownership of such Property, then the obligation and liability of the transferor for the performance or breach of any covenant or provision contained in this Agreement, occurring after the date of such transfer, shall automatically be terminated; and the transferee, by the acceptance of the conveyance of such fee simple interest,

shall automatically be deemed to have accepted, assumed and agreed to observe or perform all such covenants or provisions after the date of such transfer.

8.16. Definition of Certain Terms. As used in this Agreement, the term "**Person**" means a corporation, association, partnership, limited liability company, trust, estate, governmental agency or other entity, as well as an individual or natural person, unless the context otherwise requires, the term "**Permittee**" means the respective employees, agents, customers, contractors, licensees, guests and invitees of Aldi and City, and the term "**Party**" means Aldi or City individually (or "**Parties**" shall mean Aldi and City collectively) and their respective successors and assigns. The term "business day" when used herein shall mean a weekday, Monday through Friday, except a legal holiday or a day on which banking institutions in the State of Texas are authorized by law to be closed.

8.17. Estoppel Certificate. Within 20 days after receipt of a written request therefor, either Party shall deliver to the other a written statement acknowledging that this Agreement is in full force and effect (if the same be true), that this Agreement has not been modified (or if it has, stating such modifications), whether or not the requesting Party is in default, and providing any other pertinent information that the requesting Party might reasonably request with respect to the status of this Agreement or the Overall Parcel.

8.18. Index of Exhibits. The following exhibits attached to this Agreement are hereby incorporated herein:

Exhibit A – Site Plan
Exhibit B – Aldi Property Legal Description
Exhibit C – City Property Legal Description
Exhibit D – Use Restrictions

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized representatives, to be effective as of the date first above written.

[REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK]
[Signature and Acknowledgment Pages Follow]

EASEMENTS, COVENANTS, AND RESTRICTIONS AGREEMENT
(City Signature and Acknowledgment)

City:

City of Ramsey,
a Minnesota municipal corporation

By:_____
Mark E. Kuzma, Mayor

Date Signed:_____

By:_____
Brian Hagen, City Administrator

Date Signed:_____

STATE OF MINNESOTA)
)
COUNTY OF ANOKA)

ACKNOWLEDGMENT

The foregoing instrument was acknowledged before me this _____ day of _____, 2023, by Mark E. Kuzma, Mayor, and Brian Hagen, City Administrator of the City of Ramsey a Minnesota municipal corporation, on behalf of said corporation.

_____

Notary Public for _____

My Commission expires:_____

EASEMENTS, COVENANTS, AND RESTRICTIONS AGREEMENT
(Aldi Signature and Acknowledgment Page)

Aldi:

Aldi Inc. (Minnesota),
a Minnesota corporation

By:_____
Steve Bowman, Group Director of Real Estate

Date Signed:_____

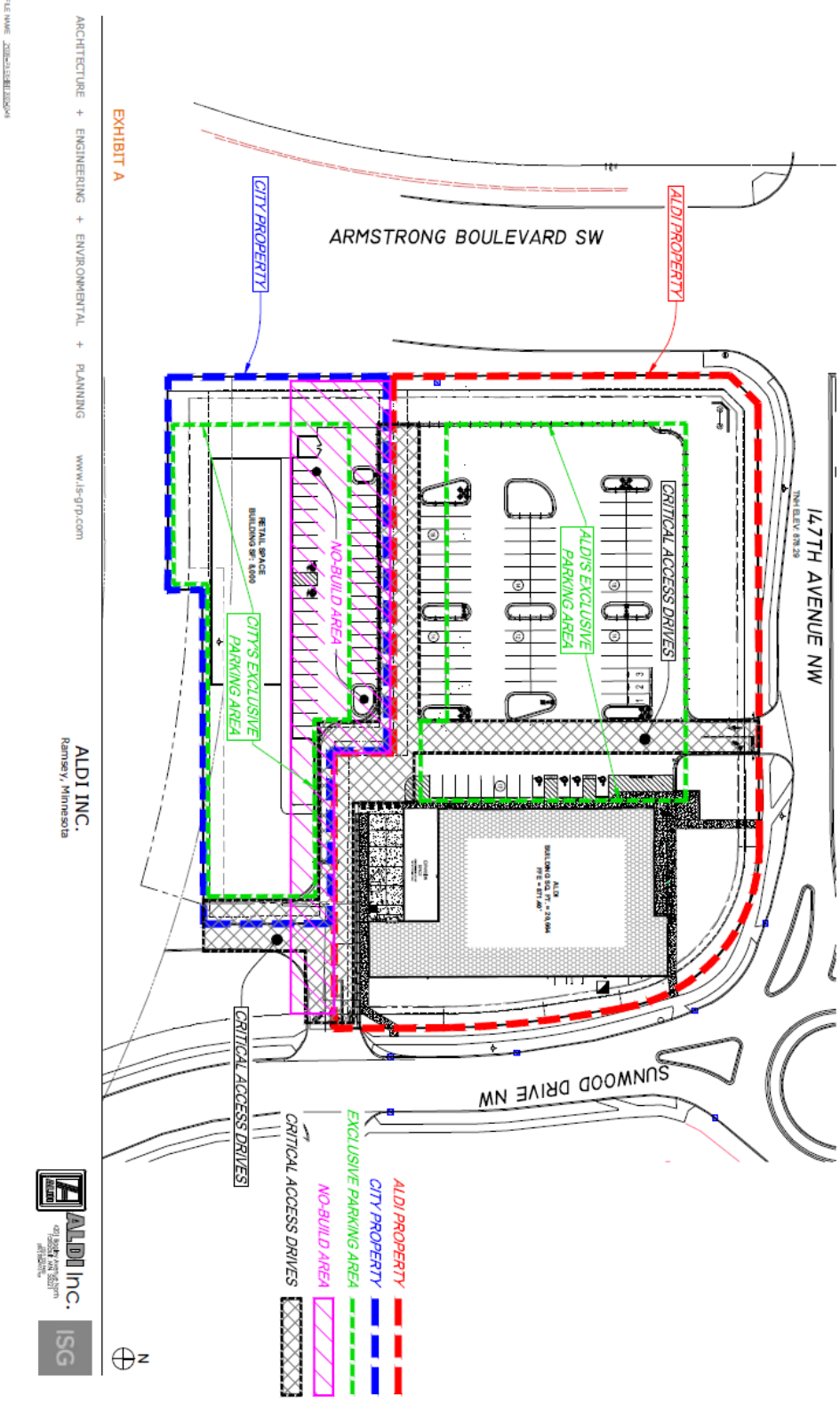
STATE OF OHIO)
) **ACKNOWLEDGMENT**
COUNTY OF FRANKLIN)

The foregoing instrument was acknowledged before me this _____ day of _____, 2023, by Steve Bowman, Group Director of Real Estate of Aldi Inc. (Minnesota), a Minnesota corporation, on behalf of said corporation. This is an acknowledgment certificate. No oath or affirmation was administered to the signer with regard to the notarial act.

_____
Notary Public for _____

My Commission expires:_____

EXHIBIT A
Site Plan



_____ / _____

EXHIBIT B
Aldi Property Legal Description

Lot 1, Block 1, COR FOUR

_____ / _____

EXHIBIT C
City Property Legal Description

Lot 2, Block 1, COR FOUR

_____ / _____

EXHIBIT D
Use Restrictions

(a) [Intentionally Deleted]

(b) a business selling alcoholic beverages for on-premises consumption except for a restaurant with sit down table service as its primary operation in which the sale of alcoholic beverages does not exceed 50% of its gross sales; however, this restriction shall not prohibit a Tap Room, Brewery or Brew Pub;

(c) any establishment which stocks, displays, sells, rents, or offers for sale or rent any merchandise or material commonly used or intended for the use with or in consumption of any narcotic, dangerous drug, or other controlled substance (provided that the foregoing is not intended and shall not be construed to prohibit a drug store); any store or operation where the sale of cannabis (including marijuana) or cannabis derivatives and related products exceeds 50% of such store or operation's gross sales;

(d) adult book store, an establishment selling or exhibiting pornographic materials (provided that this restriction shall not prohibit sales by national book retailers such as Barnes and Noble) or any form of adult entertainment or an operation whose principal use is an exotic dancing and/or massage parlor (provided this restriction shall not prohibit massages in connection with a beauty salon, health club or athletic facility, or a national massage chain such as Massage Envy);

(e) a pool or billiard hall; arcade;

(f) night club or dance club;

(g) movie theater or cinema;

(h) gym or health club greater than 5,000 square feet;

(i) school or learning center having more than thirty students at any one time,

(j) children's play or party center; trampoline center; laser tag operation; skating rink; bowling alley; race track; go-karting track;

(k) telemarketing; polling and surveying center; office use (other than office uses within and ancillary to a permitted retail use);

(l) an abortion clinic; Planned Parenthood;

(m) a pet store; except, however, a national pet store (e.g., Petsmart or Petco) shall be permitted if the location of such use is not adjacent to the Aldi Property;

(n) an auto repair shop (provided, however, a retail auto supply store that does not perform repairs shall be permitted); the sale of used automobiles;

(o) a mobile home park; trailer court (except that this provision shall not prohibit the temporary use of construction trailers during any periods of construction, reconstruction or

_____ / _____

maintenance); mobile home sales; living quarters; hotel; apartment building;

(p) off-track betting establishment, bingo parlor or any gambling use (other than the ancillary operations of state sponsored lottery);

(q) a use or operation which would emit or produce noxious or harmful, fumes, contaminants, gases, excessive dust, dirt or loud noises

(r) dry cleaner/laundry operation performing cleaning on-site, except for environmentally safe cleaning;

(s) a public or private nuisance

(t) an assembly, manufacturing, distilling, refining, smelting, industrial, agricultural, drilling or mining operation;

(u) a junk yard, stock yard, animal raising operation, a dump or disposal or any operation for the incineration or reduction of garbage of refuse;

(v) a gun/firearms shop or gun/firearms range;

(w) a pawn shop, tattoo parlor or flea market;

(x) a thrift store, consignment shop or “re-sell” shop, a “Good Will” or “Salvation Army” type store, or any “drop box” or similar collection facility for donated goods;

(y) a store dedicated to the sale of tobacco products;

(z) a mortuary or funeral home;

(aa) a church or other place of worship; banquet hall; auditorium or meeting hall;

(bb) the outdoor display, sale or storage of merchandise in parking area (Christmas trees, pumpkins, produce, flowers, art work, fireworks, novelties, clothing, etc.); and/or

(cc) carnival, amusement park, car show, festival, political event/rally, circus or other similar public event.

Recording Requested By And When Recorded Mail To:

Kayne Law Group, Co., P.A.
612 Park St.
Suite 100
Columbus, Ohio 43215
Attn: Jacob Worrel, Esq.

SPACE ABOVE FOR RECORDER'S USE ONLY

SECOND AMENDMENT TO DECLARATION OF EASEMENTS, COVENANTS AND RESTRICTIONS FOR COR TWO

THIS SECOND AMENDMENT TO DECLARATION OF EASEMENTS, COVENANTS AND RESTRICTIONS FOR COR TWO (this "**Amendment**") is entered into and made effective as of _____, 2023 (the "**Effective Date**"), by **City of Ramsey**, a Minnesota municipal corporation ("**City**").

BACKGROUND INFORMATION

A. The City is the fee simple owner of three parcels of real property located southwest corner of Armstrong Blvd. SW and 147lh Ave. N, Ramsey, Minnesota, which is defined in the Declaration (as defined below) as "**Parcel 1**", "**Parcel 2**", and "**Parcel 3**" (Parcel 1, Parcel 2, and Parcel 3 are sometimes collectively referred to herein as the "**Properties**" and individually as a "**Property**").

B. The Properties are subject to that certain Declaration of Easement, Covenants and Restrictions for COR TWO dated December 20, 2013 and recorded as Document No. 521084.003 in the Recorder and Registrar of Titles Office of Ramsey County, MN, as amended by that First Amendment to Declaration of Easements, Covenants, and Restrictions for COR TWO dated December 18, 2013 and recorded as Document No. 521084.013 (collectively, as amended, the "**Declaration**").

C. The City desires to amend the Declaration, as more particularly set forth below.

D. Capitalized terms used herein and not herein defined shall have the respective meanings ascribed to them in the Declaration.

NOW, THEREFORE, in consideration of mutual promises and agreements herein contained and for other good and valuable consideration, the receipt whereof is hereby acknowledged, the Parties do hereby agree as follows:

1. Effect. The Declaration is hereby amended to the extent necessary to give effect to this Amendment, and the terms of this Amendment shall supersede any contrary terms in the

Declaration. All references in the Declaration to "this Declaration" shall be deemed to refer to the Declaration as amended. In all other respects, the terms and conditions of the Declaration shall remain unmodified and are hereby ratified by the City.

2. Lot 1. The Declaration is hereby amended so that all refences to "Lot 1" shall mean the real property legally described on Exhibit A-2 attached hereto, and made a part hereof, and depicted as "**Lot 1**" on the site plan attached hereto as Exhibit B (the "**Site Plan**").

3. Lot 2 and Lot 3. The Declaration is hereby amended so that all refences to "Lot 2" and "Lot 3" shall mean the real property legally described on Exhibit A-3 hereto, and made a part hereof, and depicted as "**Lot 2**" on the Site Plan.

4. West Access Easement Maintenance. Section 2(A)(ii) of the Declaration is hereby deleted it in its entirety and replaced with the following:

"(ii) The Owner of Lot 2 shall be responsible for the maintenance, repair and replacement of all portions of the West Access Easement (the "**West Access Easement Maintenance**")."

5. West Access Easement Maintenance Costs. Section 2(A)(iii) of the Declaration is hereby deleted in its entirety and replaced with the following:

"(iii) From and after commencement of any development of any portion of Lot 1, the cost and expense of annual maintenance, repair, replacement and operation of the West Access Easement (the "**West Access Easement Maintenance Costs**") shall be shared by the Owners of Lot 1 and Lot 2, on a pro-rata basis, based on the relative acreage of each such Lot. Notwithstanding anything to the contrary contained herein, the Owner of Lot 1 shall pay any reimbursement or payment obligation with respect to the West Access Easement Maintenance Costs due under this Section 2(A)(iii) within 30 days after receiving from the Owner of Lot 2 an invoice setting forth the West Access Easement Maintenance Costs for which the Owner of Lot 1 is liable as provided herein. Section 3(A) shall not apply to the payment of West Access Easement Maintenance Costs."

6. Storm Sewer Easement Maintenance. Section 2(C)(ii) of the Declaration is hereby deleted it in its entirety and replaced with the following:

"(ii) The Owner of Lot 2 shall be responsible for the construction, installation, maintenance, repair and replacement of stormwater pipes and facilities located within the Storm Sewer Easement."

7. Storm Sewer Easement Maintenance Costs. Section 2(C)(iii) of the Declaration is hereby deleted it in its entirety and replaced with the following:

"(iii) The cost and expense of annual maintenance, repair, replacement, and operation of the Storm Sewer Easement (and all pipes, connections, and facilities therein) (the "**Shared Storm Sewer Maintenance Costs**") shall be shared by the Owners of Lot 1 and Lot 2, on a pro-rata basis, based on the relative acreage of each such Lot." Notwithstanding anything to the contrary contained herein, the Owner of Lot 1 shall pay any reimbursement or payment obligation with respect to the Shared Storm Sewer Maintenance Costs due under this Section 2(C)(iii) within 30 days

after receiving from the Owner of Lot 2 an invoice setting forth the Shared Storm Sewer Maintenance Costs for which the Owner of Lot 1 is liable as provided herein. Section 3(A) shall not apply to the payment of Shared Storm Sewer Maintenance Costs."

8. Legal Description of West Access Easement Property. "Exhibit A" attached to the Declaration is hereby deleted and replaced with Exhibit A attached hereto, with the same force and effect as if originally attached to the Declaration.

9. Legal Description of Storm Sewer Easement Property. "Exhibit C" attached to the Declaration is hereby deleted and replaced with Exhibit C attached hereto, with the same force and effect as if originally attached to the Declaration.

10. Governing Law. This Amendment shall be construed and interpreted in accordance with the laws of the State of Minnesota.

11. Counterpart Originals. This Amendment may be executed in one or more counterparts, each of which shall be deemed to be a duplicate original, but all of which, taken together, shall constitute a single instrument. Signature pages may be detached from multiple separate counterparts and attached to a single counterpart so that all signature pages are physically attached to the same document.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

[Signature and Acknowledgment Pages Follow]

IN WITNESS WHEREOF, the City has caused this Amendment to be duly executed on the date respectively set forth below.

City:

City of Ramsey,
a Minnesota municipal corporation

By:_____
Mark E. Kuzma, Mayor

Date Signed:_____

By:_____
Brian Hagen, City Administrator

Date Signed:_____

STATE OF MINNESOTA)
) **ACKNOWLEDGMENT**
COUNTY OF ANOKA)

The foregoing instrument was acknowledged before me this _____ day of _____, 2023, by Mark E. Kuzma, Mayor and Brian Hagen, City Administrator of the of City of Ramsey, a Minnesota municipal corporation, on behalf of said corporation.

_____
Notary Public for _____

My Commission expires:_____

EXHIBIT A
Legal Description of West Access Easement Property

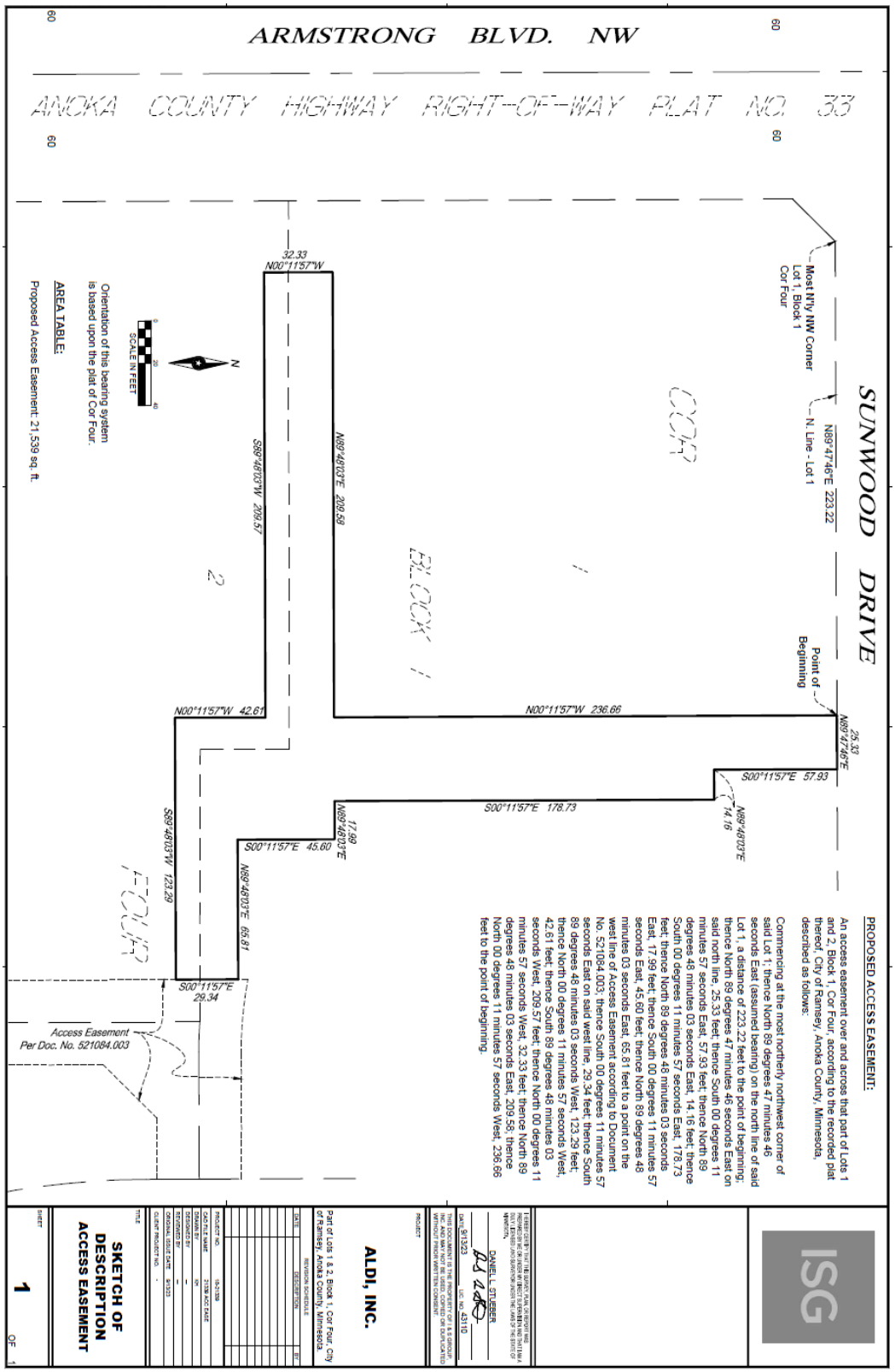


Exhibit A-2
Lot 1 Legal Description

Lot 2, Block 1, COR FOUR

Exhibit A-3
Lot 2 Legal Description

Lot 1, Block 1, COR FOUR

Exhibit B
Site Plan

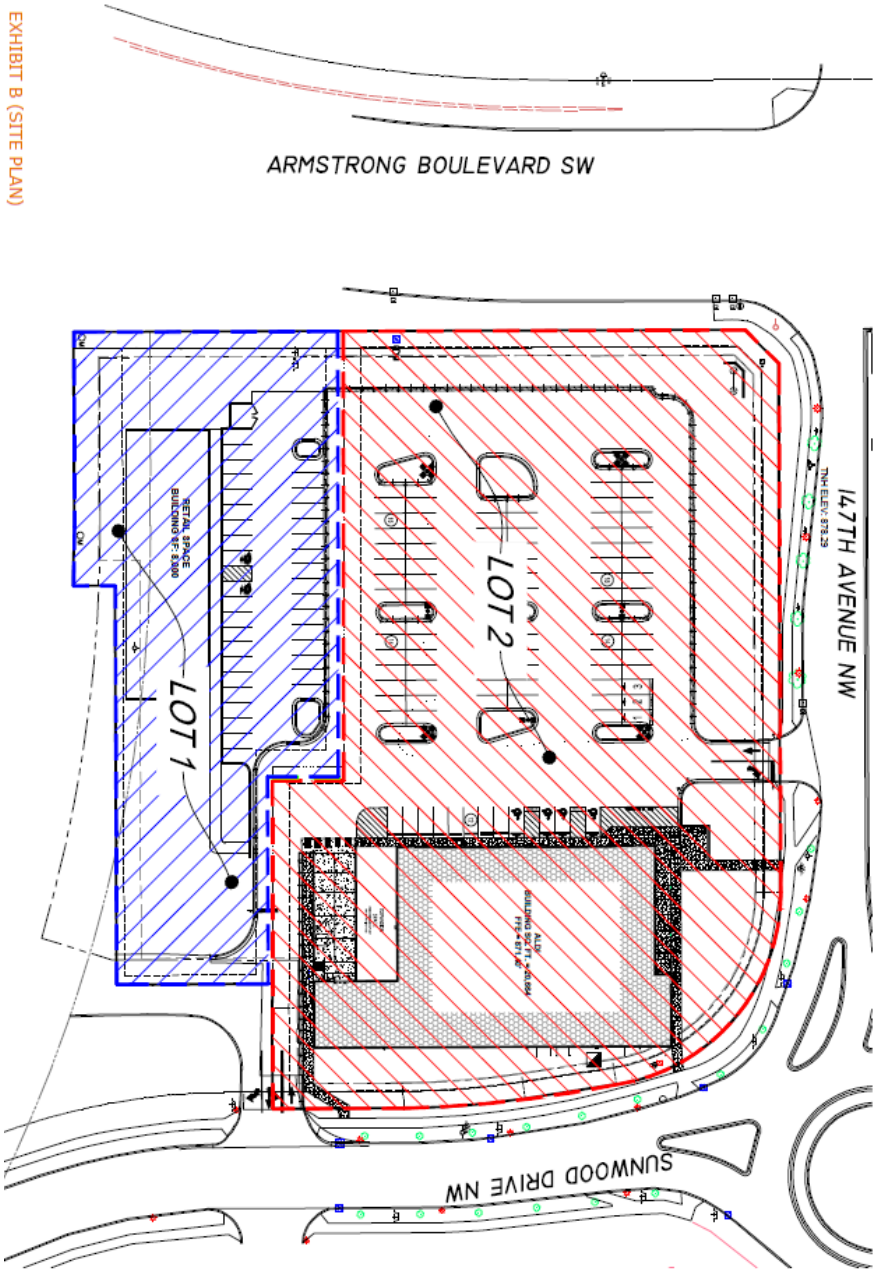
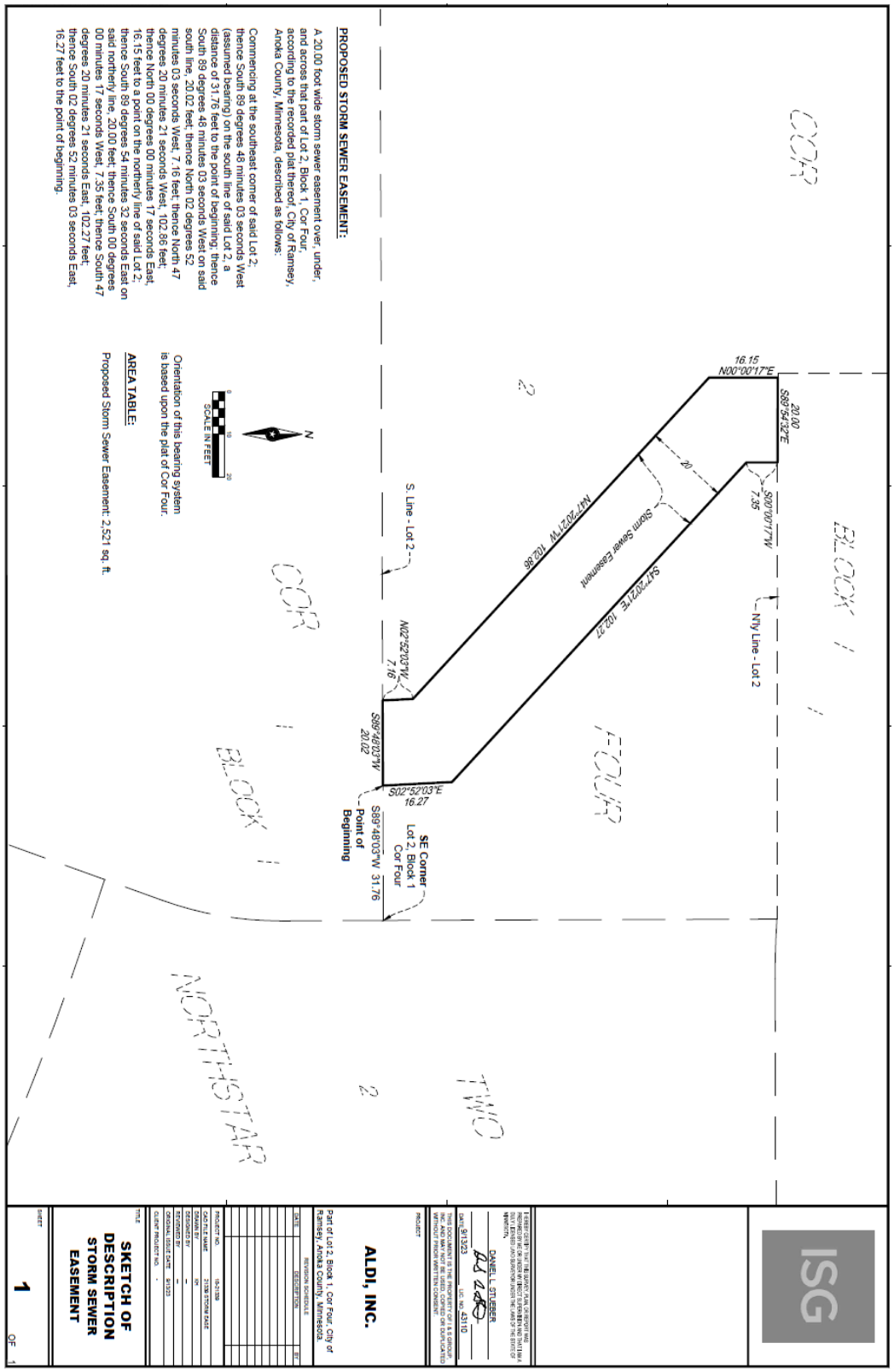


Exhibit C
Storm Sewer Easement Property



PROPOSED STORM SEWER EASEMENT:

A 20.00 foot wide storm sewer easement over, under, and across that part of Lot 2, Block 1, Cor Four, according to the recorded plat thereof, City of Ramsey, Anoka County, Minnesota, described as follows:

Commencing at the southeast corner of said Lot 2; thence South 89 degrees 48 minutes 03 seconds West (assumed bearing) on the south line of said Lot 2, a distance of 31.76 feet to the point of beginning; thence South 89 degrees 48 minutes 03 seconds West on said south line, 20.02 feet; thence North 02 degrees 52 minutes 03 seconds West, 7.16 feet; thence North 47 degrees 20 minutes 21 seconds West, 102.86 feet; thence North 00 degrees 00 minutes 17 seconds East, 16.15 feet to a point on the northerly line of said Lot 2; thence South 89 degrees 54 minutes 32 seconds East on said northerly line, 20.00 feet; thence South 00 degrees 00 minutes 17 seconds West, 7.35 feet; thence South 47 degrees 20 minutes 21 seconds East, 102.27 feet; thence South 02 degrees 52 minutes 03 seconds East, 16.27 feet to the point of beginning.

Orientation of this bearing system is based upon the plat of Cor Four.

AREA TABLE:

Proposed Storm Sewer Easement: 2,521 sq. ft.

ISG

DANIEL L. STUEBER
DATE 9/13/23
LIC. NO. 43110

THIS DOCUMENT IS THE PROPERTY OF I & S GROUP, INC. AND IS NOT TO BE USED, REPRODUCED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT

PROJECT

ALDI, INC.

Part of Lot 2, Block 1, Cor Four, City of Ramsey, Anoka County, Minnesota

REVISION SCHEDULE	
DATE	DESCRIPTION

PROJECT NO. 19-0189
CAD FILE NAME 2139_STORM.DWG
DRAWN BY SH
DESIGNED BY --
REVIEWED BY --
ORIGINAL ISSUE DATE 9/13/23
CLIENT PROJECT NO. -

TITLE

SKETCH OF DESCRIPTION STORM SEWER EASEMENT

SHEET **1** OF 1

[Reserved for Recording Data]

RIGHT OF RE-ENTRY AGREEMENT

This Right of Re-entry Agreement (this "**Agreement**") is entered into on _____, 2023, by and between the **City of Ramsey**, a Minnesota municipal corporation ("**Seller**"), and **Aldi Inc. (Minnesota)**, a Minnesota Corporation ("**Buyer**").

Recitals

A. On _____, 2023, Seller conveyed title of the following real property to Buyer (the "**Property**"):

Lot 1, Block 1, COR FOUR, Anoka County, Minnesota

B. Title to the Property was conveyed subject to Buyer fulfilling the Condition as set forth below.

C. Pursuant to Section 6.02 of that certain Real Estate Purchase Agreement between Seller and Buyer, with an Effective Date of **March 3, 2023** (the "**Purchase Agreement**"), it is the intent of the parties to create and set forth a right to impose a penalty or a right of re-entry in favor of Seller in the event Buyer fails to satisfy the Condition set forth below.

Agreement

1. The recitals are incorporated herein as if fully set forth.

2. Seller shall have the right, but not the obligation, as Seller's sole and exclusive remedy, to re-enter and take fee title to the Property pursuant to Paragraph 3 below, in the event that Buyer fails, subject to Force Majeure (defined below), casualty, condemnation, or other circumstance out of the reasonable control of Buyer, to obtain a certificate of occupancy from Seller (the "**Condition**"), for an ALDI branded select assortment retail grocery store at the Property on or prior to Insert date 24 months after Closing date (the "**Condition Satisfaction Deadline**"), and such failure continues for a period of 30 days

B: _____

S: _____

after Buyer's receipt of written notice from Seller. Seller agrees that Seller shall not unreasonably withhold, condition, deny, or delay said required certificate of occupancy and that a failure of satisfaction of the Condition on or prior to the Condition Satisfaction Deadline that is due to or attributable to (a) any such delay by Seller shall not entitle Seller to its remedy set forth in this Agreement, and/or (b) Seller's failure to timely complete Seller's Site Obligations as set forth in the Purchase Agreement.

3. If Buyer has failed, subject to Force Majeure (defined below), casualty, condemnation, or other circumstances out of the reasonable control of Buyer, to satisfy the Condition on or prior to the Condition Satisfaction Deadline, and such failure continues beyond the notice and cure period, then at any time thereafter until the Condition is satisfied, at the written request of the Seller, Buyer shall convey to Seller in exchange for payment by Seller to Buyer (in immediately available funds) of seven hundred twenty-five thousand dollars ($725,000) or the actual purchase price paid by the Buyer, the Property. If Seller so elects to re-enter and retake the Property as provided herein, Buyer shall, within 30 days after receipt of Seller's written notice, deliver to Seller a limited warranty deed, subject to all matters of records other than for monetary liens for which Buyer is responsible, as well as any other reasonable ancillary documents reasonably necessary to transfer fee title to the Property to Seller. All applicable deed tax required to be paid by the transfer to the Seller will be paid by Buyer.

4. This document constitutes the entire Agreement between the parties with respect to the subject matter hereof. Any modifications or amendments to this Agreement must be in writing and signed by both parties.

5. This Agreement may be executed in counterparts, each of which when executed and delivered shall be deemed an original, but such counterparts together shall constitute but one and the same document.

6. This Agreement shall automatically terminate and be of no further force or effect upon the date that Buyer satisfies the Condition, and Seller agrees to immediately execute and deliver to Buyer, in recordable form, a document removing this Agreement of record. If Seller fails to deliver said termination within 5 business days after receipt of written request from Buyer (which may be by email), then Buyer may unilaterally record a termination of this Agreement of record and Seller agrees that such termination shall conclusively be deemed effective, and may be relied upon by title companies and future purchasers of the Property.

7. If Buyer is delayed or hindered in or prevented from satisfying the Condition by Force Majeure, the Condition Satisfaction Deadline shall be extended for the period of the delay. The term "**Force Majeure**" means a delay beyond the reasonable control of the delayed party caused by labor strikes, lock outs, industry wide inability to procure materials, extraordinary restrictive governmental laws or regulations (such as gas rationing),delays caused by any governmental or quasi-governmental entity, delays caused by utility service providers, mass riots, war, military power, sabotage, material fire or other material casualty, a Pandemic Event (defined below), Severe Weather, or an extraordinary and material act of God (such as a tornado or earthquake). The term "**Severe Weather**"

B: _____

S: _____

means weather that a reasonable person would find unusual and unanticipated at the time of the scheduling of the activity based on recent weather patterns for the period in question in the vicinity of the Property, provided that the delayed party delivers to the other party, upon request, reasonable documentation from an unbiased weather authority substantiating such claim. The term "**Pandemic Event**" means any of the following: state of emergency or public health emergency or pandemic (including, without limitation, Covid-19), government mandated quarantine or travel bans, government mandated closures, disruption, breakdown, delayed production or interruption for any period of time, interruptions to transportation, or the use of equipment, labor, or materials, including, without limitation, the closure of government buildings, airports, harbors, railroads, or pipelines, or other infrastructure due to worldwide or regional pandemic or other health related event disruptions.

8. This Agreement shall not be assignable by Buyer or Seller.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

[Signature and Acknowledgement Pages Follow]

B: _____

S: _____

SELLER:

CITY OF RAMSEY,
a Minnesota municipal corporation

By: _____
Mark E. Kuzma, Mayor

By: _____
Brian Hagen, City Administrator

This instrument was acknowledged before me on _____, 202_, by Mark E. Kuzma and Brian Hagen as Mayor and City Administrator, respectively, of the City of Ramsey, Minnesota.

_____
Notary Public

BUYER:

B: _____

S: _____

Aldi Inc. (Minnesota),
a Minnesota Corporation

By: _____
Daniel J. Gavin, Vice President Real Estate

This instrument was acknowledged before me on _____, 202___, Daniel J. Gavin, Vice President Real Estate of Aldi Inc. (Minnesota), a Minnesota corporation, on behalf of the corporation.

_____
Notary Public

This instrument drafted by:
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303
763-433-9868

B: _____

S: _____

REAL ESTATE PURCHASE AGREEMENT

THIS REAL ESTATE PURCHASE AGREEMENT (this "**Agreement**") is made and entered into, effective on the date that both parties have executed and delivered this Agreement (the "**Effective Date**"), by and between **City of Ramsey**, a Minnesota municipal corporation ("**Seller**"), and **Aldi Inc. (Minnesota)**, a Minnesota corporation ("**Buyer**").

Background Information

A. Seller is the owner of a certain tract of real property located at the southwest corner of Armstrong Blvd. SW and 147th Ave. N, Ramsey, Minnesota, containing approximately 2.83 acres and being generally depicted on **Exhibit A**, attached hereto (said real property, together with all appurtenances and hereditaments thereto, shall be referred to as the "**Property**"). **Exhibit A** is a map/site plan, setting forth a general depiction of the size, location and configuration of the Property (the "**Site Plan**").

B. The Property is currently a part of a larger parcel which is owned by (the "**Overall Parcel**"). In the event that the transaction contemplated herein closes, the Overall Parcel shall be subdivided into 2 (or more) parcels – the Property and the remainder of the Overall Parcel, to be referred to herein as "**Seller's Residual**". The Overall Parcel and the development currently contemplated thereon are also depicted on the Site Plan. The land that comprises the Overall Parcel is more particularly described on **Exhibit B**, attached hereto.

C. Seller desires to sell to Buyer, and Buyer desires to purchase from Seller, all of Seller's right, title and interest in the Property, at the price and on the terms and conditions hereinafter set forth.

Statement of Agreement

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree to the foregoing Background Information and as follows:

ARTICLE I
PURCHASE AND SALE OF PROPERTY

1.01 Agreement. On the terms and conditions set forth below, and in consideration of Buyer's delivery of $10,000.00 (which, together with interest accrued thereon, is referred to as the "**Earnest Money**"), within 5 business days after the Effective Date, to Northwest Title, 1160 Dublin Rd, Ste #500, Columbus, OH 43215, Attn: Shannon Carifa, (614) 682-8921 ("**Escrow Agent**"), Seller hereby agrees to sell the Property to Buyer and Buyer hereby agrees to purchase the Property from Seller.

ARTICLE II
PURCHASE PRICE

B: SB

S: ____

2.01 Amount of Purchase Price. The purchase price for the Property shall be $725,000.00 (the "**Purchase Price**"), payable to Seller at Closing (as hereinafter defined), in immediately available funds, adjusted by all prorations, credits, allowances and other adjustments specifically provided for herein.

ARTICLE III
CONTINGENCIES

3.01 Contingent Agreement. This Agreement shall be completely contingent upon Buyer's satisfaction of or Buyer's waiver (at Buyer's sole discretion) of the contingencies set forth in Section 3.02 below (the "**Contingencies**"), within 180 days of the Effective Date (the "**Contingency Period**"). In the event that Buyer has not satisfied the Contingencies within said 180-day period, then Buyer shall have the right to extend the Contingency Period for up to 2 additional 30-day periods upon delivery to Seller of notice of such extension at any time on or prior to the expiration of the original 180-day Contingency Period (as it may have previously been extended). If Buyer so elects to extend the Contingency Period, Buyer shall, upon each such election deposit an additional $10,000.00 (which amount plus the interest accrued thereon is referred to collectively and individually, as context requires, as the "**Additional Deposit**") with the Escrow Agent. The Additional Deposit shall be treated in the same manner as the Earnest Money. The date upon which all Contingencies are either satisfied or waived, pursuant to Section 3.03 or otherwise, shall be referred to as the "**Contingency Date**".

3.02 Contingencies. The Contingencies are as follows:

(a) Approval of the appropriate governmental agencies of a site plan and a City development agreement for the proposed retail grocery store to be developed on the Property including, but not limited to, approval of curb cuts and any off-site traffic management improvements deemed necessary for the operation of Buyer's business on the Property;

(b) Obtain all permits (for construction and signage), licenses and other necessary governmental and third-party approvals (including, but not limited to, "wetland" construction approval, if necessary) for the proposed development;

(c) Determination that the Property is properly zoned for Buyer's intended use, construction and development and that there are no other conditions or restrictions on Buyer's intended use and development thereof;

(d) Determination that the Property is not located within a flood plain and that the Property has drainage conditions acceptable to Buyer for the proposed development of the Property;

(e) Determination that all utilities necessary for the proposed development are available at, or within the right-of-way adjacent to, the boundary lines of the

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Property, in locations acceptable to Buyer, with sufficient capacity, pressure and depth to service the proposed development;

(f) Obtain any and all easements benefiting the Property and/or cancel any and all easements encumbering (including, without limitation, the ECR [defined in Section 3.05 below]) the Property, as may be necessary for Buyer's proposed development and use of the Property;

(g) Receive a report, prepared by a certified environmental engineer engaged by Buyer, indicating that the Property is free of underground storage tanks and all hazardous wastes, substances and materials which may require remediation or which may result in penalties under applicable laws, rules or regulations;

(h) Determination that the Property has soil conditions which without substantial corrective measures permit construction of the proposed development;

(i) The Property is otherwise acceptable and economically feasible for Buyer's proposed development;

(j) Review and approve the plans and specifications for Seller's Site Obligations (defined in Section 8.02 below); and

(k) Approval by the applicable governmental authorities of documents necessary to create the Property as a separate legal lot (the "**Lot Split Documents**").

3.03 Notice of Satisfaction or Waiver. The Contingencies above shall be deemed to have been satisfied or waived, unless on or before the expiration of the Contingency Period (including any extensions as provided for in Section 3.01), Buyer delivers to Seller notice of Buyer's failure to satisfy the Contingencies and, consequently, termination of this Agreement (the "**Termination Notice**").

3.04 Earnest Money and Additional Deposit. The Earnest Money and the Additional Deposit, if applicable shall be held by Escrow Agent in accordance with the provisions of this Section 3.04:

(a) If Buyer timely delivers a Termination Notice, this Agreement shall terminate, in which case both parties shall be fully released from all further liability and obligations hereunder, and the Earnest Money (and the Additional Deposit, if applicable) shall be returned to Buyer;

(b) If the transaction contemplated hereby is closed, the Earnest Money (and the Additional Deposit, if applicable) shall be paid to Seller and credited to Buyer against the Purchase Price at Closing;

(c) If the transaction contemplated hereby fails to close due to a Defect in title (Article V hereof) or due to a taking pursuant to eminent domain (Article X hereof), the

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Earnest Money (and the Additional Deposit, if applicable) shall be returned to Buyer and neither party shall have any further liability hereunder, except as may be set forth in Section 5.04 hereof;

(d) If the transaction contemplated hereby fails to close due to a default by Buyer, the Earnest Money (and the Additional Deposit, if applicable) shall be paid to Seller as liquidated damages hereunder (and not as a penalty) as Seller's sole and exclusive remedy, it being understood that Seller's actual damages in the event of such default are difficult to ascertain and that the Earnest Money (and the Additional Deposit, if applicable) represent the parties' best current estimate of the amount of such damages, and both parties shall be fully released from all further liability and obligations hereunder;

(e) If the transaction contemplated hereby fails to close due to the default of Seller, the Earnest Money (and the Additional Deposit, if applicable) shall be returned to Buyer, and Buyer may terminate this Agreement, without prejudice, however, to all rights and remedies which Buyer may have against Seller, at law or in equity;

The provisions of this Section 3.04 shall survive the termination of this Agreement.

3.05 ECR. With respect to the easements to be obtained by Buyer pursuant to Section 3.02(f) above, Buyer and Seller (and any lender who holds a mortgage or other security interest on Seller's Residual) shall agree in writing on the terms and conditions of an easement and restriction agreement (the "**ECR**") between the Property and Seller's Residual, the form of which shall be prepared by Buyer, providing for, *inter alia*,

(a) A perpetual, non-exclusive easement from Seller, for the benefit of the Property, over and across the driveways and walkways on Seller's Residual (including but not limited to the **"Critical Access Drives"** depicted on the Site Plan, which Seller shall not alter, relocate, or close without the prior written consent of Buyer),for the purpose of vehicular (including Buyer's delivery tractor trailers) and pedestrian ingress, egress and access between and among the Property, Seller's Residual and the public roads;

(b) A perpetual, non-exclusive easement from Buyer, for the benefit of Seller's Residual, over and across the driveways and walkways that are situated on the Property, for the purpose of vehicular and pedestrian ingress, egress and access between and among the Property, Seller's Residual and the public roads;

(c) If and to the extent necessary, perpetual, non-exclusive easements over and across Seller's Residual for the benefit of the Property for the purposes of installing, using, maintaining, repairing and replacing service lines, connections and related improvements to provide utility services to the Property;

(d) Intentionally deleted;

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(e) A perpetual, non-exclusive easement over and across Seller's Residual for the benefit of the Property for the purpose of maintaining the visibility of Buyer's building and signage on the Property, whereby the portion of Seller's Residual, generally depicted on the Site Plan, as the "**No-Build Area**" shall be restricted against future construction of or use for any above ground improvements other than curbs, light poles, paving, signage, landscaping and street signage.

(f) Buyer shall have no obligation to contribute to maintenance costs within the Overall Parcel except the annual maintenance and operation of the Critical Access Drives shall be performed by Buyer following construction of the same. From and after commencement of any development of any portion of Seller's Residual, the cost of annual maintenance and operation of the Critical Access Drives shall be shared by all owners of developed parcels and/or owners of parcels in development within the Overall Parcel, pro-rata, based on the relative acreage of each such parcel;

(g) Subject to the provisions of Subsection (f) above, Seller shall be responsible for maintaining Seller's Residual at its sole cost and expense;

(h) Subject to the provisions of Subsection (f) above, Buyer shall be responsible for maintaining the Property at its sole cost and expense;

(i) Restrictions on the future uses to be conducted on the Overall Parcel, as set forth on **Exhibit C**, attached hereto;

(j) While any portion of the Overall Parcel remains undeveloped, the owner thereof shall keep such portion seeded and mowed, and in a sightly condition;

(k) Reciprocal parking easements between the Property and that portion of the Seller's Residual referred to herein and depicted on the Site Plan as "**Outlot A**"; provided, however: (i) such parking rights in favor of Seller and/or Outlot A on the Property shall not apply to, and Seller and/or Outlot A shall have no parking easement or other rights with respect to, that portion of the Property referred to herein and depicted on the Site Plan as "**Buyer's Exclusive Parking Area**", it being the agreement and intent of Buyer and Seller that Buyer shall have the sole and exclusive use of Buyer's Exclusive Parking Area; (ii) Buyer and Seller shall each maintain the parking spaces, including the number and width thereof, along with the parking spaces, parking lanes and parking bays, located on the Property and Seller's Residual, respectively, at a minimum, in accordance with all applicable laws without variance therefor; (iii) Seller's Residual shall contain sufficient parking spaces in order to independently comply with all governmental requirements without reliance upon and parking spaces located on the Property; and (iv) the foregoing easement is to permit cross parking by retail customers only; and

(l) A non-exclusive temporary construction easement and right-of-way for the

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benefit of the Property to the extent needed in accordance with good construction practices, but only during a period of construction on the Property, on, over, across and through the Overall Parcel for the purpose of providing a temporary means of access for construction vehicles to and from the Property, for the purpose of facilitating construction on the Property. All construction activities undertaken by Buyer shall be conducted so as to minimize interference with the business activities conducted in the Seller's Residual. Similarly, Seller hereby acknowledges and agrees that Seller shall, and shall cause all future tenants and assignees of the Seller's Residual to, conduct all construction activities so as to minimize interference with the business activities conducted on the Property.

ARTICLE IV
SUBMISSION MATERIALS

4.01 Seller's Cooperation. Seller agrees to submit to Buyer, within 5 days after the Effective Date, information and/or materials, to the extent the same is available to Seller, for Buyer's use in preparation for the purchase of the Property, including: (a) an existing revised ALTA/NSPS 2016 survey (including Table A items 1, 2, 3, 4, 5, 7A, 8, 11 and 14) (b) surveys, site plans, topographical studies, plat maps, property descriptions, zoning maps and engineering drawings for the utilities and public services servicing the Property; (c) soils reports for the Property; (d) environmental studies of the Property; (e) the most recent real estate tax bill; (f) a copy of the title insurance policy (or other form of title evidence) issued upon Seller's acquisition or financing of the Property; and (g) any existing declarations, easements and/or restriction agreements encumbering the Property. All materials provided to Buyer pursuant to this Article IV shall be deemed conditionally delivered. If this transaction is not closed in accordance with the terms hereof such materials shall be returned to Seller upon demand. Seller hereby agrees to cooperate with Buyer in all respects during the term of this Agreement, including Seller's joining in the execution of any and all reasonable applications, instruments, licenses and documents contemplated pursuant hereto.

ARTICLE V
EVIDENCE OF TITLE

5.01 Title Commitment. Seller shall, at Seller's sole cost and expense, obtain from Escrow Agent, a commitment (the "**Title Commitment**") to issue an American Land Title Association Owner's Title Insurance Policy (ALTA Form B, Rev. 2006) (the "**Title Policy**"), certified to at least the Effective Date of this Agreement, in the full amount of the Purchase Price. To be acceptable to Buyer, the Title Commitment shall show in Seller good and marketable title to the Property, and shall commit to insure said title free and clear of the standard printed exceptions contained in the Title Commitment and Title Policy and free and clear of all liens, charges, encumbrances and clouds of title, whatsoever, except the following:

(a) Those created or assumed by Buyer;

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(b) Zoning ordinances, legal highways and public rights-of-way which do not interfere with Buyer's proposed development and operation of the Property as a retail grocery store;

(c) Real estate taxes which are a lien on the Property but which are not yet due and payable; and/or

(d) Easements and restrictions of record acceptable to Buyer which do not interfere with the Buyer's proposed development and operation of the Property as a retail grocery store.

For title to the Property to be acceptable to Buyer, the Title Commitment must (i) commit to insure that all parcels of land are contiguous, if the legal description for the Property includes more than one parcel and that there are no gaps nor gores among them; (ii) commit to insure that on the Closing Date, the Property shall have direct access or access pursuant to the ECR to dedicated public highways or roads that abut the Property; (iii) fully and completely disclose all easements, negative or affirmative, rights-of-way, ingress or egress or any other appurtenances to the Property and provide insurance coverage in respect to all of such appurtenant rights; and (iv) include the results of a special tax search and examination for any financing statements filed of record which may affect the Property.

5.02 Endorsement at Closing. At the Closing and as a condition of Closing, Buyer may obtain an endorsement to the Title Commitment updating the Title Commitment to the Closing Date and showing no change in the state of the title to the Property. After Closing, a final Title Policy that comports with the foregoing terms and conditions may be issued at the Buyers expense in the amount of the Purchase Price.

5.03 Survey. Buyer may, at its sole cost and expense, obtain a current ALTA survey of the Property (the "**Survey**"), prepared by a surveyor registered in the State of Minnesota. The Survey shall comport with the depiction of the Property set forth on the Site Plan, shall include a legal description of the Property and shall be certified by the surveyor to Buyer and the title insurance company. Subject to the approval of the title insurance company, the legal description included in the Survey shall be used in the Title Commitment and Title Policy and in all documents of transfer contemplated hereby.

5.04 Defects. In the event that an examination of either the Title Commitment (including any endorsements) or the Survey obtained hereunder discloses any matter adversely affecting title to the Property, or if title to the Property is not marketable, or if the Property is subject to liens, encumbrances, easements, conditions, restrictions, reservations or other matters not specifically excepted by the terms of this Agreement, or in the event of any encroachment or other defect shown by the Survey (the foregoing collectively referred to as "**Defects**"), Seller shall have a reasonable time, not to exceed 30 days after written notice thereof, within which to cure or remove any such Defects. In the event Seller is unable to cure or remove the Defects within said 30-day period, Seller shall immediately give notice of Seller's inability to Buyer and thereafter, Buyer shall have 10 days after receipt of such notice within which to make its election either:

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(a) To accept title to the Property subject to such Defects; or

(b) To withdraw from this transaction and terminate this Agreement, without prejudice, however, to any rights or remedies which Buyer may have at law or in equity.

In the event Seller commits to cure or remove a Defect prior to Closing and fails to do so, such failure shall be a Seller event of default.

ARTICLE VI
DEED AND OTHER DOCUMENTS

6.01 Limited Warranty Deed. Seller shall, at the Closing, convey fee simple title to the Property to Buyer by a duly and validly executed, recordable limited warranty deed (the "**Deed**"), free and clear of all liens and encumbrances, except those permitted pursuant to the provisions of Section 5.01 hereof.

6.02 Right of Re-Entry Agreement. Buyer shall execute and deliver to Seller on the Closing Date a right of re-entry agreement in the form attached hereto as **Exhibit D**.

6.03 Other Documents. Buyer and Seller agree that such other documents as may be legally necessary or appropriate to carry out the terms of this Agreement shall be executed and delivered by the appropriate party at Closing. Such documents shall include, but not be limited to the ECR, Escrow Agreement (defined below), the Lot Split Documents, a closing statement, the most recent real estate tax bill(s), a certificate as to Seller's status under the Foreign Investment in Real Property Tax Act, Seller's affidavit regarding liens (mechanics' or other), unrecorded matters and parties in possession and, if requested, Seller's affidavit regarding the warranties and representations set forth in Article XI hereof.

ARTICLE VII
POSSESSION AND INSPECTION

7.01 Possession at Closing. Subject to Seller's obligation to perform and complete Seller's Site Obligations (defined below), Buyer shall be entitled to full and exclusive possession of the Property as of the Closing Date.

7.02 Inspection. For and during the continuance of this Agreement, Seller shall afford all representatives of Buyer free and full access to the Property, for inspection and examination, at reasonable times. This privilege shall include the right to make surveys, site plans, renderings, soil tests, environmental inspections, borings, percolation tests and other tests to obtain any relevant information necessary to determine subsurface, topographic and drainage conditions and the suitability of the Property for use and development by Buyer. Buyer shall indemnify and hold harmless Seller for any loss, cost or liability incurred by Seller due to Buyer's entry onto the Property pursuant to this Section 7.02.

ARTICLE VIII
CLOSING

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8.01 Closing Date. The purchase and sale of the Property shall be closed (the "**Closing**") within 30 days after the Contingency Date, which Closing date may be extended by agreement of the parties and shall be extended by such time, if any, as is necessary to cure Defects, as set forth in Section 5.04 hereof. The date upon which the Closing occurs is referred to herein as the "**Closing Date**". The Closing shall be completed with the use of electronic mail and overnight courier services through the Escrow Agent and without the need of either party actually attending the Closing in person.

8.02 Seller's Site Obligations. As part of the consideration for Buyer's purchase of the Property, Seller shall, at its sole cost and expense, perform the following (collectively, "**Seller's Site Obligations**") within 30 days following the Closing Date, in accordance with plans and specifications prepared by Seller and approved by Buyer during the Approval Period. Seller shall deliver to Buyer, during the Approval Period, Seller's estimate of the cost of performing Seller's Site Obligations, including copies of all bids (from qualified contractors) and backup materials upon which such estimate is based:

(a) Complete the installation of the following utility service lines to the boundary lines of the Property: storm sewer (15" outlet), sanitary sewer (6" line), domestic water (2" line), fire protection water (8" line); and

(b) Complete any other improvements on Seller's Residual that are required in order for Buyer to obtain a certificate of occupancy for Buyer's improvements on the Property.

8.03 Escrow Agreement. This Agreement and the Purchase Price for the Property are premised on Seller's proper and timely performance and completion of Seller's Site Obligations. The performance of Seller's Site Obligations is a significant element of the consideration which induced Buyer to enter into this Agreement. Seller's Site Obligations shall be performed in accordance with plans and specifications to be prepared by Seller, at its sole cost, and approved by Buyer in writing during the Approval Period. In the event that Seller does not complete any or all of Seller's Site Obligation prior to the Closing Date, then in order to secure Seller's obligations (to assure that Seller's Site Obligations are properly and timely constructed, installed and paid for) and Buyer's expectations with respect to the performance of Seller's Site Obligations, Buyer and Seller, together with Escrow Agent, shall enter into an escrow agreement at the Closing (the "**Escrow Agreement**"), the form of which shall be prepared by Buyer, that provides, *inter alia* (a) Seller shall deposit into escrow, from the proceeds of Closing, an amount equal to 125% of the estimated cost of completing Seller's Site Obligations; (b) disbursements from escrow shall be made not more frequently than one time per month, with each draw request to be approved in writing by Buyer, to include properly executed lien waivers and supporting documentation and to be for an amount equal to 90% of the costs incurred (i.e. 10% retainage); (c) if any of Seller's Site Obligations are not completed within 30 days following the Closing Date, Buyer may elect to perform any or all of such work, in which case Buyer shall be paid from the funds in escrow the full amount of such cost incurred by Buyer plus a management fee equal to 25% of the cost and expense incurred by Buyer to complete such items; (d) Seller shall be responsible to pay the excess costs incurred, if any, if the actual cost of completing Seller's Site Obligations exceeds the

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amount paid into escrow; (e) if excess funds remain in escrow after payment of all of the costs of completing Seller's Site Obligations, Escrow Agent shall remit such excess to Seller; (f) Seller's Site Obligations shall be deemed completed on the date that both of the following conditions are satisfied: (i) Buyer receives a certificate from Seller's civil engineer certifying to Buyer that Seller's Site Obligations have been completed and performed in accordance with the approved plans, specifications and permits therefor; and (ii) Buyer inspects Seller's Site Obligations to determine if they were performed in accordance with the approved plans, specifications and permits therefor. If Buyer fails to inspect Seller's Site Obligations within 10 business days following its receipt of the above-described certificate, then Seller's Site Obligations shall be deemed complete.

ARTICLE IX
APPORTIONMENTS AND ADJUSTMENTS

9.01 Adjustments at Closing. On the Closing Date, Buyer and Seller shall apportion, adjust, prorate and pay the following items in the manner hereinafter set forth:

(a) Real Estate Taxes and Assessments. Seller shall pay all delinquent real estate taxes, together with penalties and interest thereon; all assessments which are a lien against the Property as of the Closing Date (both current and reassessed, whether due or to become due and not yet payable); all real estate taxes for years prior to the Closing Date; real estate taxes for the year of Closing, prorated through the Closing Date; and all agricultural use roll back taxes or tax recoupments, if any, for years through the year of Closing. The proration of undetermined taxes shall be based upon a 365-day year and on the last available tax rate, giving due regard to applicable exemptions, recently voted millage, change in tax rate or valuation (as a result of this transaction or otherwise), etc., whether or not the same have been certified. It is the intention of the parties in making this tax proration to give Buyer a credit as close in amount as possible to the amount which Buyer will be required to remit to the County Treasurer (or other applicable government agency or body) for the period of time preceding the Closing Date hereof. Seller and Buyer agree that the amount so computed shall be subject to later adjustment should the amount credited at Closing be incorrect based upon actual tax bills received by Buyer after Closing. Seller warrants and represents that all assessments now a lien are shown on the County Treasurer's (or other applicable government agency or body) records and that to the best of Seller's knowledge, no site or area improvement has been installed by any public authority, the cost of which is to be assessed against the Property in the future. Seller further warrants and represents that neither Seller nor any of its agents, employees or representatives have received notice, oral or written, or have knowledge of any proposed improvement, any part of the cost of which would or might be assessed against the Property;

(b) Seller's Expenses. Seller shall, at the Closing (unless previously paid), pay by credit against the Purchase Price the following:

(i) The cost of preparing the Deed;

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(ii) The recording fees required for recording the Deed;

(iii) The cost of any deed stamps or conveyance fees required to be paid in connection with the recording of the Deed from Seller to Buyer;

(iv) The cost of all municipal services and public utility charges (if any) due through the Closing Date;

(v) The cost to obtain the Title Commitment (including, without limitation, any title exam or search fees);

(vi) ½ the recording fees required for recording the ECR;

(vii) ½ of the fee charged by Escrow Agent for conducting the Closing.

(c) Buyer's Expenses. Buyer shall, at the Closing (unless previously paid), pay the following:

(i) The cost of the Title Policy

(ii) ½ the recording fees required for recording the ECR;

(iii) ½ of the fee charged by Escrow Agent for conducting the Closing; and

(iv) The recording fees required for recording the Lot Split Documents and Plat.

(d) Brokers. Seller and Buyer each hereby warrants and represents to the other that it has not, with the exception of CBRE, Inc., representing Buyer ("**Broker**"), engaged or dealt with any broker or agent in regard to this Agreement. Seller hereby agrees to pay all commissions and/or fees due to Broker pursuant to a separate agreement. Seller and Buyer (except as to Broker) shall indemnify and hold harmless the other from and against any other claim by any party claiming through Seller or Buyer, respectively, for any real estate sales commission, finder's fee, consulting fee, or other compensation in connection with the sale contemplated hereby and arising out of any act or agreement of such party. The indemnity obligations set forth above in this section shall survive both the Closing of the sale contemplated hereby and any termination of this Agreement.

ARTICLE X
EMINENT DOMAIN

10.01 Taking By Eminent Domain. If, prior to the Closing, eminent domain proceedings shall be threatened or commenced against the Property, or any part or portion thereof, Buyer shall have the option (a) to elect to proceed with this transaction, in which event any compensation

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award paid or payable as a result of such eminent domain proceedings shall be the sole property of Buyer, or (b) to terminate this Agreement, in which event Seller shall retain such award. Seller agrees that it shall give to Buyer written notice of any such threatened or actual eminent domain proceedings within 10 days after Seller first becomes aware thereof (or in any event, prior to Closing), and upon the giving of such notice, Buyer shall then have 30 days within which to exercise the options granted in this Section 10.01. If Buyer fails to exercise such options within said 30-day period, this Agreement shall terminate, the Earnest Money (and the Additional Deposit, if applicable) shall be returned to Buyer and thereafter both parties shall be released from further liability or obligation hereunder.

ARTICLE XI
WARRANTIES AND REPRESENTATIONS OF SELLER

11.01 Warranties and Representations. In addition to any other representation or warranty contained in this Agreement, Seller hereby represents, warrants, covenants, and agrees as follows:

(a) Seller has not received any notice or notices, either orally or in writing, from any municipal, county, state or any other governmental agency or body, of any zoning, fire, health, environmental or building violation, or violation of any laws, ordinances, statutes or regulations relating to pollution or environmental standards, which have not heretofore been corrected;

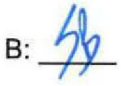
(b) The execution, delivery and performance of this Agreement, and the consummation of the transaction contemplated hereby, will not result in any breach of, or constitute any default under, or result in the imposition of any lien or encumbrance against, the Property, under any agreement or other instrument to which Seller is a party or by which Seller or the Property might be bound;

(c) Seller has not received any notice, either orally or in writing, of any change contemplated in any applicable laws, ordinances or restrictions, or any judicial or administrative action, or any action by adjacent landowners, which would prevent, limit or in any manner interfere with the proposed use of the Property;

(d) Seller has no knowledge of any fact or condition which would result in the termination or limitation of the existing pedestrian and/or vehicular access to the Property from abutting public roads;

(e) No other person or entity other than Seller currently owns or has any legal or equitable interest in the Property, and no other person or entity other than Buyer has or will have any right to acquire the Property, or any portion thereof;

(f) All taxes payable with respect to the operation, ownership or control of the Property which are allocable to the period ending on the Closing Date, and all prior periods, shall be or have been paid by Seller, and Seller shall be responsible for the timely

B: 

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filing of all returns or other documents required by any taxing authority claiming jurisdiction with respect to any such taxes;

(g) The execution, delivery and performance by Seller of this Agreement and the performance by Seller of the transactions contemplated hereunder, and the conveyance and delivery by Seller to Buyer of possession and title to the Property have each been duly authorized by such persons or authorities as may be required, and on the Closing Date, Seller shall provide Buyer and Escrow Agent with certified resolutions, or other instruments, in form satisfactory to Buyer, evidencing such authorization;

(h) Through and until the Closing Date and with the exception of the ECR, Seller shall not enter into any covenant, restriction, encumbrance, right of lien, easement, lease or other contract pertaining to the Property;

(i) To the best of Seller's knowledge, there are no underground storage tanks and no Hazardous Substances located in, on or about or generated from the Property which may require removal or remediation or which may result in penalties under any applicable law; Seller shall be responsible for the proper removal and disposal prior to Closing of any such Hazardous Substances, including but not limited to asbestos or asbestos containing materials currently located in any of the buildings situated on the Property. The terms "**Hazardous Substance**" and "**Hazardous Substances**" shall mean and refer to any substance, whether solid, liquid or gaseous in nature, which is or contains (i) any "hazardous substance" as now or in the future defined by the CERCLA or any regulations promulgated under CERCLA, (ii) any "hazardous waste" as now or in the future defined under RCRA or any regulations promulgated under RCRA, (iii) any substance regulated by the Toxic Substances Control Act (15 U.S.C. §2601 et seq.), (iv) gasoline, diesel fuel or other petroleum hydrocarbons or petroleum byproducts or derivatives, including crude oil or any fraction thereof (v) asbestos and asbestos containing materials, in any form, whether friable or non-friable, (vi) polychlorinated biphenyls, (vii) radon gas, (viii) urea formaldehyde foam insulation, (ix) mold, radon, lead paint, nuclear fuel or materials, radioactive materials, explosives or known carcinogens, and (x) any additional substances, materials, or wastes which are now or in the future classified or considered to be hazardous, toxic, explosive, corrosive, flammable, infectious, radioactive, carcinogenic, mutagenic, or otherwise hazardous, contaminating or polluting, or dangerous, or otherwise are or become regulated in any manner by any federal, state or locate governmental agency under applicable environmental laws, the common law, or any other applicable laws related to the Property. Hazardous Substances shall include without limitation, any substance, whether solid, liquid, or gaseous in nature, the presence of which on the Property (i) requires reporting, investigation, or remediation under applicable environmental laws (ii) causes or threatens to cause a nuisance on the Property or to adjacent or neighboring properties, (iii) poses or threatens to pose a hazard to health or safety of persons on, in, at or about the Property, including without limitation vapor intrusion into the indoor air of any existing or future structures on the Property, (iv)

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which, if emanated or migrated from the Property constitute a trespass, or (v) which could give rise to a claim for damages or injunctive relief resulting from personal injury, or property or natural resource damages;

(j) Seller shall not, without the prior written consent of Buyer, alter the natural topography and vegetation currently existing on, in or about the Property, including, but not limited to the cutting, burning or removal of any trees, removing any minerals or topsoil, dumping of any soil, fill or other matter, or altering the natural flow of any water courses located on the Property;

(k) To the best of Seller's knowledge, there are no laws, ordinances, regulations, covenants, conditions or restrictions pertaining to or encumbering the Property which would, in any way, impair, interfere with or prevent Buyer's intended use of the Property as a retail grocery store;

(l) Seller is not a "Foreign Person" as that term is defined in the Foreign Investment in Real Property Tax Act;

(m) There is no litigation and are no other proceedings pending or threatened in any way relating to the Property.

The warranties, representations, covenants and agreements set forth in this Agreement shall not be cancelled by performance under this Agreement, but shall survive the Closing and the delivery of the deed of conveyance hereunder. All representations and warranties set forth in this Article XI shall be true and correct as of the date hereof and as of the Closing Date, and at Closing, if requested by Buyer, Seller shall so certify, in writing, in form reasonably requested by Buyer. Seller hereby agrees to indemnify and hold Buyer harmless from and against any and all claims, demands, liabilities, costs and expenses of every nature and kind (including attorneys' fees) which Buyer may sustain at any time (i) as a result of, arising out of or in any way connected with the operation, ownership, custody or control of the Property prior to the Closing Date; or (ii) by reason of the untruth, breach, misrepresentation or nonfulfillment of any of the covenants, representations, warranties or agreements made by Seller in this Agreement or in any documents or agreements delivered in connection with this Agreement or with the closing of the transaction contemplated hereby. The foregoing indemnity by Seller shall survive the Closing and delivery of the Deed or the termination of this Agreement.

11.02 Breach of Warranties Prior to Closing. If, during the pendency of this Agreement, Buyer determines that any warranty or representation given by Seller to Buyer under this Agreement shall be untrue, incorrect or misleading, in whole or in part, the same shall constitute a default by Seller hereunder. In such event, Buyer may give written notice thereof and shall thereafter have such rights and remedies as may be available to Buyer as provided herein, at law or in equity, including, but not limited to, the right to receive compensation for damages and/or the right to terminate this Agreement and to have the Earnest Money (and the Additional Deposit, if applicable) returned to Buyer.

ARTICLE XII

B: SB

S: _____

NOTICES

12.01 Notice Procedure. Any notices required hereunder shall be in writing, shall be deemed effective upon transmittal, may be transmitted by the parties' respective legal counsel, and shall be transmitted by (a) personal service, (b) reputable overnight delivery service, (c) facsimile (confirmed receipt), (d) email transmission, or (e) certified mail, postage prepaid, return receipt requested, and shall be addressed to the parties as follows:

(a) If intended for Seller, to:

City of Ramsey
7550 Sunwood Dr. NW
Ramsey, MN 55303
Email: bhagen@cityoframsey.com

With a copy to:

Holstad and Knaak
4501 Allendale Drive
North Oaks, MN 55127
Attention: Fritz Knaak, Esquire
Email: fknaak@klaw.us

(b) If intended for Buyer, to:

Aldi Inc. (Minnesota)
4201 Bagley Ave N.
Faribault, MN 55021
Attention: Andrew Mack, Director of Real Estate
Fax #: (507) 333-9475
Email: Andrew.mack@aldi.us

With a copy to:

Kayne Law Group, CO., P.A.
612 Park Street, Suite 100
Columbus, OH 43215
Attention: Jacob Worrel, Esq.
Email: jworrel@kaynelaw.com

ARTICLE XIII
GENERAL PROVISIONS

13.01 Governing Law. This Agreement is being executed and delivered in the State of Minnesota and shall be construed and enforced in accordance with the laws of the State of Minnesota. For all litigation, disputes and controversies which may arise out of or in connection

B: _____

S: _____

with this Agreement, the undersigned hereby waive the right to trial by jury and consent to the jurisdiction of the courts in the State of Minnesota.

13.02 Entire Agreement. This Agreement constitutes the entire contract between the parties hereto, and may not be modified except by an instrument in writing signed by the parties hereto, and supersedes all previous agreements, written or oral, if any, of the parties. Exhibits referred to in this Agreement are attached hereto and incorporated herein by reference.

13.03 Time of Essence. Time is of the essence of this Agreement in all respects. Any time period providing for the performance of the parties' obligations herein which would otherwise end on a Saturday, Sunday or national holiday shall be extended to the next succeeding business day.

13.04 Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties hereto, and their respective heirs, legal representatives, successors and assigns.

13.05 Invalidity. In the event that any provision of this Agreement shall be held to be invalid, the same shall not affect in any respect whatsoever the validity of the remainder of this Agreement.

13.06 Waiver. No waiver of any of the provisions of this Agreement shall be deemed, nor shall the same constitute a waiver of any other provision, whether or not similar, nor shall any such waiver constitute a continuing waiver. No waiver shall be binding, unless executed, in writing, by the party making the waiver.

13.07 Headings. The section headings contained in this Agreement are for convenience only and shall not be considered for any purpose in construing this Agreement. As used in this Agreement, the masculine, feminine and neuter genders, and the singular and plural numbers shall be each deemed to include the other whenever the context so requires.

13.08 Seller's and Buyer's TIN. Buyer's and Seller's tax identification numbers shall be provided to Escrow Agent (if and as applicable) at Closing.

13.09 Counterparts. This Agreement may be executed in counterparts, each of which when executed and delivered shall be deemed an original, but such counterparts together shall constitute but one and the same document.

13.10 Like-Kind Exchange. Buyer may exchange fee title to the Property for other property of like kind and qualifying use within the meaning of Section 1031 of the Internal Revenue Code of 1986, as amended, and the Regulations promulgated thereunder. Buyer expressly reserves the right to assign its rights but not its obligations hereunder to a "Qualified Intermediary" as provided in IRC Reg. 1.1031(k)-(g)(4) in connection with such an exchange at any time on or before the Closing Date. Seller hereby agrees to cooperate with Buyer (at no cost to Seller) in effectuating any such exchange.

B: _____

S: _____

13.11 Assignment. Buyer hereby reserves the right to assign this Agreement to its nominee. Buyer shall notify Seller of any such assignment at least 5 days prior to the Closing Date by delivery of notice in the manner otherwise required hereunder.

13.12 Attorney Fees. In the event either party hereto brings or commences legal proceedings to enforce any of the terms of this Agreement, the successful party shall then be entitled to receive from the other of said parties, in every such action commenced, a reasonable sum as attorneys' fees and costs, including all fees and costs incurred upon any appeals, to be fixed by the court in the same action.

13.13 Default. Neither party shall declare the other party in default of this Agreement unless the non-defaulting party has given the defaulting party written notice of the default, and the non-defaulting part has not cured the default within 10 days after receipt of written notice of same.

13.14 No Presumption Against Drafter. This Agreement is an agreement between parties who are experienced in sophisticated and complex matters similar to the transaction contemplated under this Agreement, is entered into by both parties in reliance upon the economic and legal bargains contained herein and therein, and shall be interpreted and construed in a fair and impartial manner without regard to such factors as the party which prepared the instrument, the relative bargaining powers of the parties or the domicile of any party. Buyer and Seller were each given opportunity to consult with independent legal counsel of such party's choice competent in advising them of their obligations and liabilities hereunder.

13.15 No Offer. The submission of a draft of this Agreement or a summary of some or all of its provisions does not constitute an offer to purchase the Property. Neither Buyer nor Seller shall be legally obligated with respect to a purchase of the Property unless and until this Agreement has been executed by both Buyer and Seller and fully executed copies have been delivered to each party.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]
[Signature Page Follows]

B: _____

S: _____

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed on the dates set forth below, respectively.

SELLER:

City of Ramsey
a Minnesota municipal corporation

By: _____
Name: Mark E. Kuzma
Its: Mayor

Date: 3/2/2023

By: _____
Name: Brian Hagen
Its: City Administrator

Date: 03-02-23

BUYER:

Aldi Inc. (Minnesota),
a Minnesota corporation

By: _____
Steve Bowman, Group Director of Real Estate

Date: _____

Reviewed By:

_____
Andrew Mack, Director of Real Estate

Date: _____

B: BSA
S: _____

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed on the dates set forth below, respectively.

SELLER:

City of Ramsey
a Minnesota municipal corporation

By: _____
Name: Mark E. Kuzma
Its: Mayor

Date: _____

By: _____
Name: Brian Hagen
Its: City Administrator

Date: _____

BUYER:

Aldi Inc. (Minnesota),
a Minnesota corporation

By: _____
Steve Bowman, Group Director of Real Estate

Date: 3/3/23

Reviewed By:

_____
Andrew Mack, Director of Real Estate

Date: 3/1/2023

B: SB

S: ____

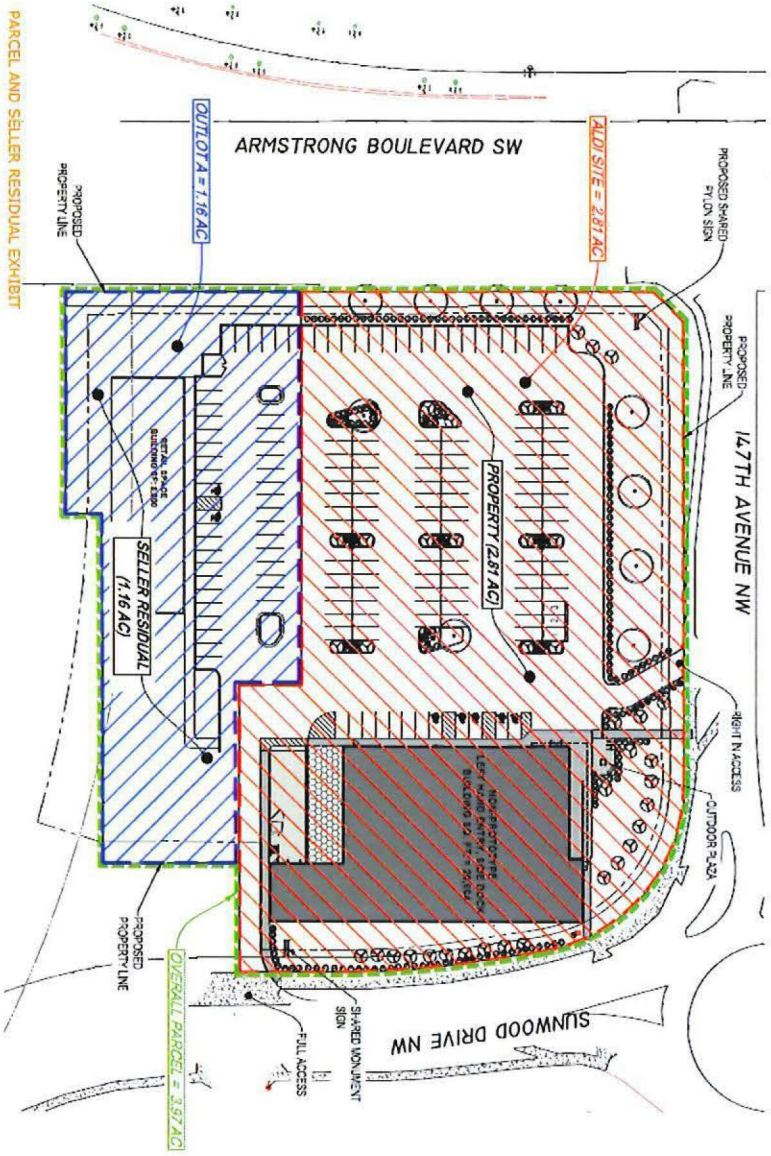
Index of Exhibits:

A. Site Plan
B. Legal Description of Overall Parcel
C. Use Restrictions
D. Form of Right of Re-Entry Agreement

B: SB

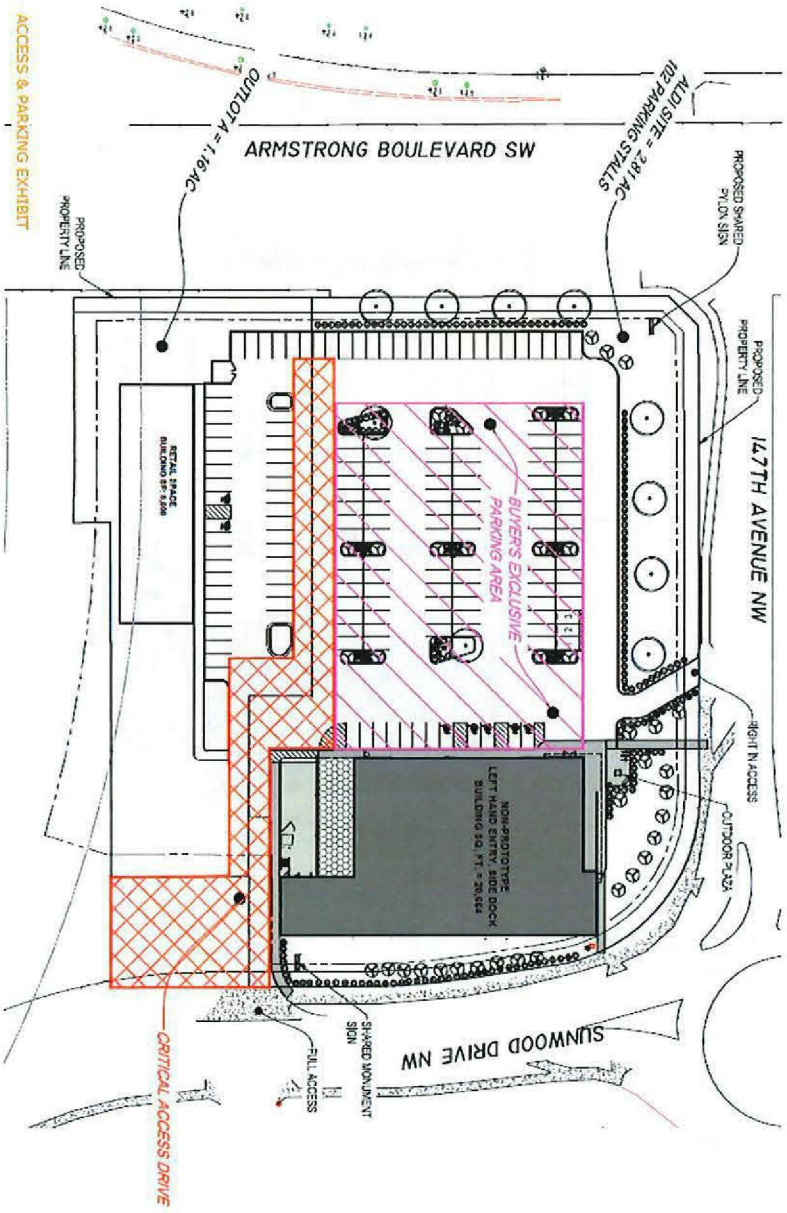
S: _____

EXHIBIT A
SITE PLAN



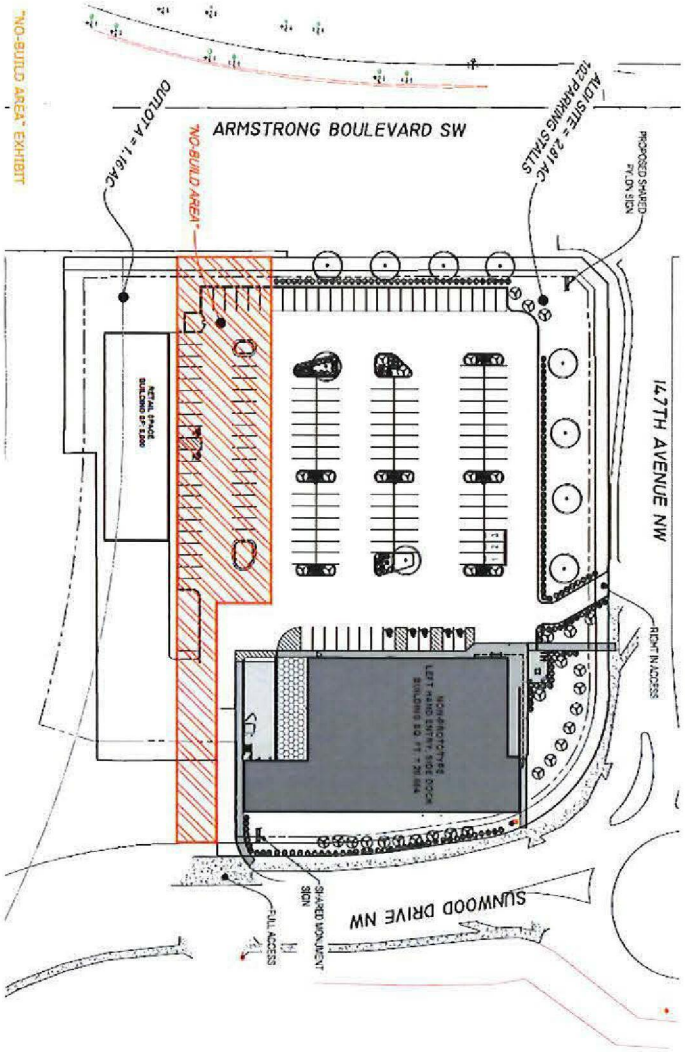
B: SB

S: _____


ACCESS & PARKING EXHIBIT
ARMSTRONG BOULEVARD SW
OUTLOT A = 1.16 AC
ALDI SITE = 2.81 AC
102 PARKING STALLS
PROPOSED SHARED PYLON SIGN
PROPOSED PROPERTY LINE
RETAIL SPACE BUILDING SF= 5,000
BUYERS EXCLUSIVE PARKING AREA
147TH AVENUE NW
RIGHT IN ACCESS
NON-PROTOTYPE LEFT HAND ENTRY SIDE DOCK BUILDING SQ. FT. = 20,054
OUTDOOR PLAZA
SUNWOOD DRIVE NW
SHARED MONUMENT SIGN
FULL ACCESS
CRITICAL ACCESS DRIVE
N

B: SB

S: _____


"NO-BUILD AREA" EXHIBIT
OUTLOT A = 1.16 AC
"NO-BUILD AREA"
ARMSTRONG BOULEVARD SW
ALL SITE = 2.81 AC
102 PARKING STALLS
PROPOSED SHARED PYLON SIGN
147TH AVENUE NW
RIGHT-IN ACCESS
SUNWOOD DRIVE NW
SHARED MONUMENT SIGN
FULL ACCESS

B: SB

S: ____

EXHIBIT B
LEGAL DESCRIPTION OF OVERALL PARCEL

Lots 1, 2 and 3, Block 1, COR TWO, Anoka County Minnesota Property Tax ID Numbers 28-32-25-23-0011, 28-32-25-23-0012 and 28-32-25-23-0013

B: SB

S: _____

EXHIBIT C
USE RESTRICTIONS

Seller hereby covenants and agrees that it will not lease, rent, sell or otherwise permit to be owned, controlled, leased, used or occupied any portion of Seller's Residual for any of the uses set forth in items (a) through (cc) below:

(a) a Retail Grocery Store. The term "**Retail Grocery Store**" means a supermarket, a meat market, a grocery store, a fruit and vegetable store or stand, a frozen or otherwise processed food store, and any other store where more than 1,500 square feet (including adjacent aisle space) is used for the sale or display of grocery items. "Retail Grocery Store" shall also include the operation of a grocery pick-up service (e.g. Clicklist, Curbside Pickup or similar service) anywhere within the Overall Parcel, whether or not the premises from which the service is offered is also used for the sale and display of grocery items. "Retail Grocery Store" does not include a delicatessen or any restaurant wherein prepared food is sold for on-premises or "take-out" consumption;

(b) a business selling alcoholic beverages for on-premises consumption except for a restaurant with sit down table service as its primary operation in which the sale of alcoholic beverages does not exceed 50% of its gross sales; however, this restriction shall not prohibit a Tap Room, Brewery or Brew Pub;

(c) any establishment which stocks, displays, sells, rents, or offers for sale or rent any merchandise or material commonly used or intended for the use with or in consumption of any narcotic, dangerous drug, or other controlled substance (provided that the foregoing is not intended and shall not be construed to prohibit a drug store); any store or operation where the sale of cannabis (including marijuana) or cannabis derivatives and related products exceeds 50% of such store or operation's gross sales;

(d) adult book store, an establishment selling or exhibiting pornographic materials (provided that this restriction shall not prohibit sales by national book retailers such as Barnes and Noble) or any form of adult entertainment or an operation whose principal use is an exotic dancing and/or massage parlor (provided this restriction shall not prohibit massages in connection with a beauty salon, health club or athletic facility, or a national massage chain such as Massage Envy);

(e) a pool or billiard hall; arcade;

(f) night club or dance club;

(g) movie theater or cinema;

(h) gym or health club greater than 5,000 square feet;

(i) school or learning center having more than thirty students at any one time,

B: _____

S: _____

(j) children's play or party center; trampoline center; laser tag operation; skating rink; bowling alley; race track; go-karting track;

(k) telemarketing; polling and surveying center; office use (other than office uses within and ancillary to a permitted retail use);

(l) an abortion clinic; Planned Parenthood;

(m) a pet store; except, however, a national pet store (e.g., Petsmart or Petco) shall be permitted if the location of such use is not adjacent to the Property;

(n) an auto repair shop (provided, however, a retail auto supply store that does not perform repairs shall be permitted); the sale of used automobiles;

(o) a mobile home park; trailer court (except that this provision shall not prohibit the temporary use of construction trailers during any periods of construction, reconstruction or maintenance); mobile home sales; living quarters; hotel; apartment building;

(p) off-track betting establishment, bingo parlor or any gambling use (other than the ancillary operations of state sponsored lottery);

(q) a use or operation which would emit or produce noxious or harmful, fumes, contaminants, gases, excessive dust, dirt or loud noises

(r) dry cleaner/laundry operation performing cleaning on-site, except for environmentally safe cleaning;

(s) a public or private nuisance

(t) an assembly, manufacturing, distilling, refining, smelting, industrial, agricultural, drilling or mining operation;

(u) a junk yard, stock yard, animal raising operation, a dump or disposal or any operation for the incineration or reduction of garbage of refuse;

(v) a gun/firearms shop or gun/firearms range;

(w) a pawn shop, tattoo parlor or flea market;

(x) a thrift store, consignment shop or "re-sell" shop, a "Good Will" or "Salvation Army" type store, or any "drop box" or similar collection facility for donated goods;

(y) a store dedicated to the sale of tobacco products;

(z) a mortuary or funeral home;

B: SB

S: _____

(aa) a church or other place of worship; banquet hall; auditorium or meeting hall;

(bb) the outdoor display, sale or storage of merchandise in parking area (Christmas trees, pumpkins, produce, flowers, art work, fireworks, novelties, clothing, etc.); and/or

(cc) carnival, amusement park, car show, festival, political event/rally, circus or other similar public event.

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EXHIBIT D
FORM OF RIGHT OF RE-ENTRY AGREEMENT

[Reserved for Recording Data]

RIGHT OF RE-ENTRY AGREEMENT

This Right of Re-entry Agreement (this "**Agreement**") is entered into on _____, 202_, by and between the **City of Ramsey**, a Minnesota municipal corporation ("**Seller**"), and **Aldi Inc. (Minnesota)**, a Minnesota Corporation ("**Buyer**").

Recitals

A. On _____, 20__, Seller conveyed title of the following real property to Buyer (the "**Property**"):

Insert Platted Legal Description, Anoka County, Minnesota

B. Title to the Property was conveyed subject to Buyer fulfilling the Condition as set forth below.

C. Pursuant to Section 6.02 of that certain Real Estate Purchase Agreement between Seller and Buyer, with an Effective Date of **INSERT DATE OF PURCHASE AGREEMENT** (the "**Purchase Agreement**"), it is the intent of the parties to create and set forth a right to impose a penalty or a right of re-entry in favor of Seller in the event Buyer fails to satisfy the Condition set forth below.

Agreement

1. The recitals are incorporated herein as if fully set forth.

2. Seller shall have the right, but not the obligation, as Seller's sole and exclusive remedy, to re-enter and take fee title to the Property pursuant to Paragraph 3 below, in the event that Buyer fails, subject to Force Majeure (defined below), casualty, condemnation, or

B: SB

S: _____

other circumstance out of the reasonable control of Buyer, to obtain a certificate of occupancy from Seller (the "**Condition**"), for an ALDI branded select assortment retail grocery store at the Property on or prior to Insert date 24 months after Closing date (the "**Condition Satisfaction Deadline**"), and such failure continues for a period of 30 days after Buyer's receipt of written notice from Seller. Seller agrees that Seller shall not unreasonably withhold, condition, deny, or delay said required certificate of occupancy and that a failure of satisfaction of the Condition on or prior to the Condition Satisfaction Deadline that is due to or attributable to (a) any such delay by Seller shall not entitle Seller to its remedy set forth in this Agreement, and/or (b) Seller's failure to timely complete Seller's Site Obligations as set forth in the Purchase Agreement.

3. If Buyer has failed, subject to Force Majeure (defined below), casualty, condemnation, or other circumstances out of the reasonable control of Buyer, to satisfy the Condition on or prior to the Condition Satisfaction Deadline, and such failure continues beyond the notice and cure period, then at any time thereafter until the Condition is satisfied, at the written request of the Seller, Buyer shall convey to Seller in exchange for payment by Seller to Buyer (in immediately available funds) of seven hundred twenty-five thousand dollars ($725,000) or the actual purchase price paid by the Buyer, the Property. If Seller so elects to re-enter and retake the Property as provided herein, Buyer shall, within 30 days after receipt of Seller's written notice, deliver to Seller a limited warranty deed, subject to all matters of records other than for monetary liens for which Buyer is responsible, as well as any other reasonable ancillary documents reasonably necessary to transfer fee title to the Property to Seller. All applicable deed tax required to be paid by the transfer to the Seller will be paid by Buyer.

4. This document constitutes the entire Agreement between the parties with respect to the subject matter hereof. Any modifications or amendments to this Agreement must be in writing and signed by both parties.

5. This Agreement may be executed in counterparts, each of which when executed and delivered shall be deemed an original, but such counterparts together shall constitute but one and the same document.

6. This Agreement shall automatically terminate and be of no further force or effect upon the date that Buyer satisfies the Condition, and Seller agrees to immediately execute and deliver to Buyer, in recordable form, a document removing this Agreement of record. If Seller fails to deliver said termination within 5 business days after receipt of written request from Buyer (which may be by email), then Buyer may unilaterally record a termination of this Agreement of record and Seller agrees that such termination shall conclusively be deemed effective, and may be relied upon by title companies and future purchasers of the Property.

7. If Buyer is delayed or hindered in or prevented from satisfying the Condition by Force Majeure, the Condition Satisfaction Deadline shall be extended for the period of the delay. The term "**Force Majeure**" means a delay beyond the reasonable control of the delayed party caused by labor strikes, lock outs, industry wide inability to procure materials,

B: SB

S: _____

extraordinary restrictive governmental laws or regulations (such as gas rationing),delays caused by any governmental or quasi-governmental entity, delays caused by utility service providers, mass riots, war, military power, sabotage, material fire or other material casualty, a Pandemic Event (defined below), Severe Weather, or an extraordinary and material act of God (such as a tornado or earthquake). The term "**Severe Weather**" means weather that a reasonable person would find unusual and unanticipated at the time of the scheduling of the activity based on recent weather patterns for the period in question in the vicinity of the Property, provided that the delayed party delivers to the other party, upon request, reasonable documentation from an unbiased weather authority substantiating such claim. The term "**Pandemic Event**" means any of the following: state of emergency or public health emergency or pandemic (including, without limitation, Covid-19), government mandated quarantine or travel bans, government mandated closures, disruption, breakdown, delayed production or interruption for any period of time, interruptions to transportation, or the use of equipment, labor, or materials, including, without limitation, the closure of government buildings, airports, harbors, railroads, or pipelines, or other infrastructure due to worldwide or regional pandemic or other health related event disruptions.

8. This Agreement shall not be assignable by Buyer or Seller.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

[Signature and Acknowledgement Pages Follow]

B: _____

S: _____

SELLER:

CITY OF RAMSEY,
a Minnesota municipal corporation

By: _____
Mark E. Kuzma, Mayor

By: _____
Brian Hagen, City Administrator

This instrument was acknowledged before me on _____, 202_, by Mark E. Kuzma and Brian Hagen as Mayor and City Administrator, respectively, of the City of Ramsey, Minnesota.

_____
Notary Public

B: _____

S: _____

BUYER:

Aldi Inc. (Minnesota),
a Minnesota Corporation

By: _____
Steve Bowman, Group Director of Real Estate

This instrument was acknowledged before me on _____, 202___, Steve Bowman, Group Director of Real Estate of Aldi Inc. (Minnesota), a Minnesota corporation, on behalf of the corporation.

_____
Notary Public

This instrument drafted by:
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303
763-433-9868

B: SB

S: _____

Record ID 2663260

521084.013

FIRST AMENDMENT TO
DECLARATION OF EASEMENTS, COVENANTS
AND RESTRICTIONS FOR COR TWO

1. **Parties**. The parties to this First Amendment to Declaration of Easements, Covenants and Restrictions for COR TWO (the "First Amendment") are The Housing and Redevelopment Authority in and for the City of Ramsey, Minnesota, a public body politic and corporate under the laws of the state of Minnesota (the "HRA"), and Northstar Marketplace Station, LLC, a Delaware limited liability company ("Northstar"). This Agreement sometimes refers to the HRA, and Northstar, individually, as a "Party" and collectively as the "Parties."

2. **Effective Date**. This First Amendment is effective as of the date each of the Parties has executed and acknowledged it and it is recorded in the Anoka County land records.

3. **Recitals**.

3.1 The HRA owns certain real property located in the City of Ramsey, Anoka County, Minnesota, which is legally described as Lot 1, Block 1, COR TWO, Anoka County, Minnesota ("Lot 1").

3.2 Northstar owns certain real property located in the City of Ramsey, Anoka County, Minnesota, which is legally described as Lots 1 and 2, Block 1, COR TWO NORTHSTAR, Anoka County, Minnesota ("Northstar Lot 1" and "Northstar Lot 2" respectively and collectively the "Northstar Property").

3.3 Lot 1, Northstar Lot 1, and Northstar Lot 2 are sometimes referred to in this First Amendment, individually, as a "Lot" and, collectively, as the "Lots." The terms "Lot" and "Lots" also mean any lot or parcel created by a combination of all or a part of two or more Lots or by a further subdivision of all or a part of a Lot.

3.4 The term "Owner" as used in this First Amendment means the fee owner(s) of a Lot as reflected in the Anoka County land records except that if the fee owner(s) of a Lot contracts to convey a Lot pursuant to a recorded contract for deed, the vendee(s) under the contract for deed and not the fee owner(s) is or are the "Owner(s)" of the Lot for purposes of this First Amendment.

3.5 Lot 1 is subject to that certain Declaration of Easements, Covenants and Restrictions for COR TWO made as of December 20, 2013 and recorded with the Registrar of Titles for Anoka County, Minnesota on _____, 2013 as Document No. 521084.003 (the "Original Declaration") from and after the Effective Date the term "Declaration," as used in the Original Declaration and in this First Amendment means the Original Declaration as amended by this First Amendment. All capitalized terms not otherwise defined herein shall have the meanings given to them in the Original Declaration.

3.6 Section 10 of the Original Declaration permitted the HRA to execute an amendment to the Declaration to extend the benefits of certain easements described in the Original Declaration to certain real property located in the City of Ramsey, Anoka County, Minnesota, which is legally described as Lots 1 and 2 and Outlot A, RAMSEY TOWN CENTER 3RD ADDITION, Anoka County, Minnesota (collectively the "Northstar Property"). The Northstar Property was re-platted to include Outlots B and C COR TWO, Anoka County, Minnesota (the "Outlots", and collectively with the Northstar Property, the "Northstar Property"). Accordingly, the extension described in Section 4 below is pursuant to Section 10 of the Original Declaration.

3.7 The HRA and Northstar desire to grant to certain other easements and agree to other covenants as described below in Section 5.

3.8 For good and valuable consideration the receipt of which the Parties hereby acknowledge, the Parties are amending the Original Declaration as set forth in this First Amendment to (i) extend the benefits of certain easements described in the Original Declaration to the Northstar Property pursuant to Section 10 of the Original Declaration, and (ii) agree to certain other new easements and covenants affecting Lot 1 and the Northstar Property.

4. **Extension of Existing Easement**.

4.1 Pursuant to Section 10 of the Original Declaration, the HRA, with the consent of Northstar, hereby declares that on and after the Effective Date the East Access Easement is extended to benefit the entire Northstar Property. The East Access Easement is appurtenant to the Northstar Property and is intended for the use of the Owners of those Lots and their respective tenants, licensees, invitees and guests. The East Access Easement does not grant the Owners of those Lots or their respective tenants, licensees, invitees and guests the right to park vehicles on the East Access Easement Property. All of the rights granted in the Original Declaration with respect to the East Access Easement remain intact and are unaffected by this extension of benefits of the East Access Easement. The Owner of Northstar Lot 2 hereby assumes the obligations of the "Owners of Outlot B and Outlot C" with respect to all maintenance, repair, and replacement obligations in connection with the East Access Improvements as described in Section 2.B(ii) of the Original Declaration.

4.2 Section 2.B(iii) is hereby deleted in its entirety and is replaced with the following:

(iii) Maintenance Costs. The costs of performing the maintenance, repairs and replacements described in Article III, Section 2.B.(ii) (the "East Access Easement Maintenance Costs") shall be allocated between the Owners of Lot 1 and Lots 1 and 2, Block 1, COR TWO NORTHSTAR, Anoka County, Minnesota ("Northstar Lot 1" and "Northstar Lot 2" respectively). The Owners of each of Lot 1, Northstar Lot 1 and Northstar Lot 2 shall be responsible for a portion of the East Access Easement Maintenance Costs based on a ratio with the leasable square footage of the building(s) on such Lot, as improved from time to time, as the numerator and the total leasable square footage of the buildings on Lot 1, Northstar Lot 1 and Northstar Lot 2, as improved from time to time, as the denominator. The Owner of a Lot will not be responsible for any portion of the East Access Easement Maintenance Costs until a building is constructed on such Lot and a certificate of occupancy is issued for such space.

5. **Additional Agreements.**

5.1 The HRA declares a perpetual, non-exclusive, appurtenant easement over and across such portions of Lot 1 that are improved with parking spaces and drive lanes, as such improvements may exist from time to time, for parking and vehicular and pedestrian access from Northstar Lot 1 and Northstar Lot 2 to Lot 1 and the West Access Easement (the "HRA Lot 1 Access Easement").

5.2 Northstar declares a perpetual, non-exclusive, appurtenant easement over and across such portions of Northstar Lot 1 that are improved with parking spaces and drive lanes, as such improvements may exist from time to time, for parking and vehicular and pedestrian access from Lot 1 to Northstar Lot 1 and the East Access Easement (the "Northstar Lot 1 Access Easement").

5.3 At such time that a third party purchases and improves Lot 1, the Owner of Lot 1 agrees to construct, at its sole cost and expense, the parking stalls, the entrance from the East Access Easement and the access drive to such parking stalls in substantial conformance with the plan attached as Exhibit A (such parking stalls, entrance and access drive and hereinafter collectively referred to as the "Parking Stalls") The property depicted and described on Exhibit A is referred to herein as the "Parking Stall Property." Northstar hereby grants a perpetual, non-exclusive, appurtenant easement over, under, and across the Parking Stall Property for the benefit of the Owner of Lot 1 for the installation, use, inspection, maintenance, repair, and replacement of the Parking Stalls. The Owner of Lot 1 will not be responsible to the Owner of Northstar Lot 1 for any damage to then-existing parking and drive lane improvements it must alter or remove to construct the Parking Stalls.

5.4 Unless otherwise agreed by the Owner of Lot 1 and the Owner of Northstar Lot 1, the Owner of Lot 1 and the Owner of Northstar Lot 1 will each be responsible for maintaining the parking and drive lane improvements on each Party's property in a clean, safe and otherwise first-class condition and state of repair and in compliance with all applicable laws, codes, regulatory and insurance requirements.

6. **No Further Modifications**. Except as expressly stated herein, all terms and conditions of the Declaration remain the same, the Declaration, as modified and amended hereby, continues in full force and effect and is hereby ratified and confirmed by the parties hereto.

7. **Counterparts and Facsimile Signatures**. This First Amendment may be executed in two or more counterparts and the counterparts, together, constitute one in the same instrument. If the parties executed separate counterparts of this First Amendment, a party's delivery of an executed original signature page or delivery of a facsimile copy of an executed original signature page constitutes that party's delivery of this First Amendment and is sufficient to bind party so delivering the signature page.

[SIGNATURE PAGES FOLLOWS]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

THE HOUSING AND REDEVELOPMENT AUTHORITY IN AND FOR THE CITY OF RAMSEY, MINNESOTA,
a public body under the laws of Minnesota

By: _____
Its Chair

By: _____
Its Executive Director

STATE OF MINNESOTA)
) ss.
COUNTY OF ANOKA)

The foregoing instrument was acknowledged before me this 10th day of December 2013, by Randy Backus the Chair, and Kurtis G. Ulrich the Executive Director, of The Housing and Redevelopment Authority in and for the City of Ramsey, Minnesota, a public body under the laws of Minnesota, on behalf of said public body.

JOANN THIELING
Notary Public
Minnesota
My Commission Expires January 31, 2015

_____
Notary Public

NORTHSTAR MARKETPLACE STATION, LLC,
a Delaware Limited Liability Company

By: _____
Its: VICE PRESIDENT

STATE OF ~~MINNESOTA~~ Ohio)
) ss.
COUNTY OF Hamilton)

The foregoing instrument was acknowledged before me this 18th day of December, 2013, by Joe Schlosser the Vice President of Northstar Marketplace Station, LLC, a Delaware limited liability company, on behalf of said limited liability company

NOTARIAL SEAL STATE OF OHIO
Stephanie J. Myers
Notary Public, State of Ohio
My Commission Expires March 17, 2018

_____
Notary Public

DRAFTED BY AND WHEN
RECORDED RETURN TO:

Briggs and Morgan, P.A. (TLB)
2200 IDS Center
80 South 8th Street
Minneapolis, MN 55402
(612) 977-8400

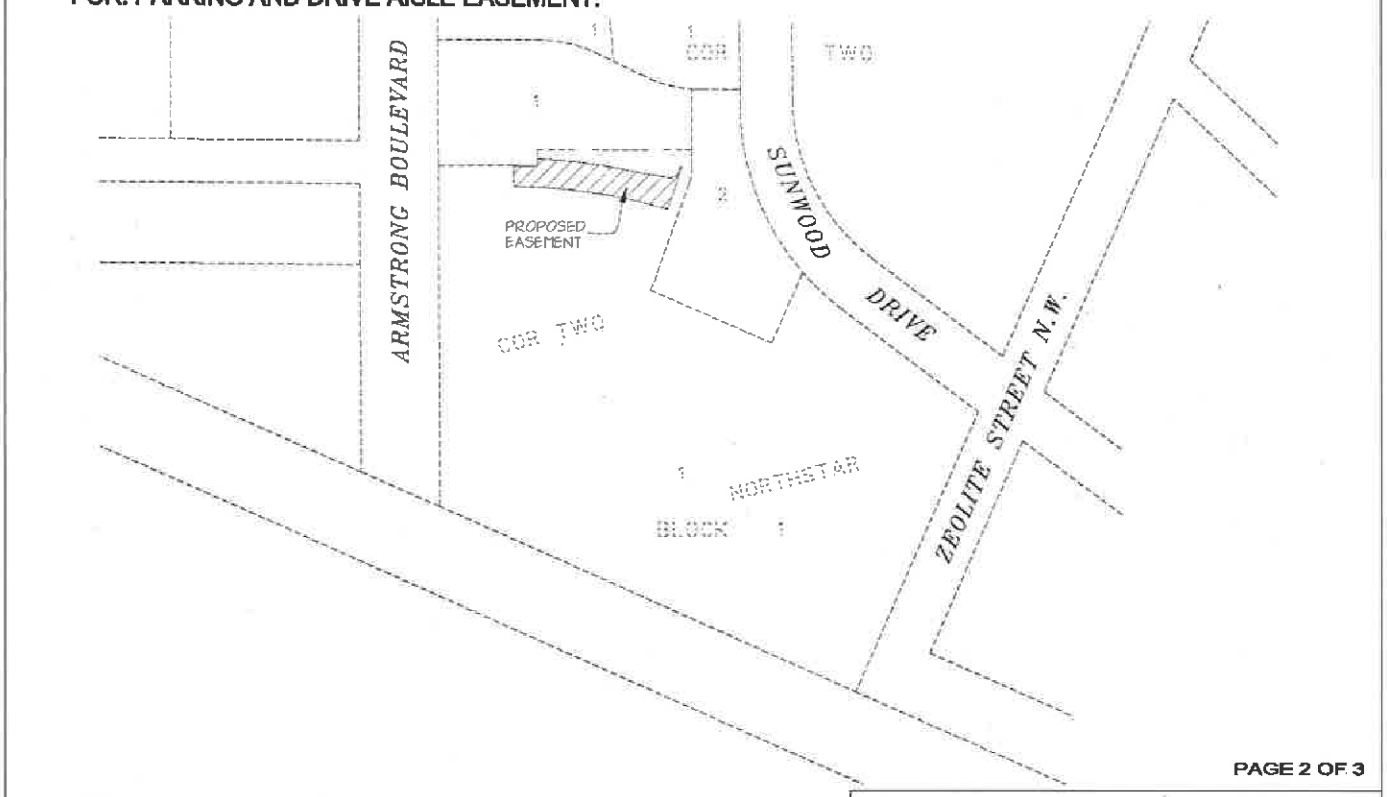
EXHIBIT A
PARKING STALLS PLAN AND LEGAL DESCRIPTION

LEGAL DESCRIPTION:

COMMENCING AT THE NORTHWEST CORNER OF SAID LOT 1, BLOCK 1; THENCE NORTH 89 DEGREES 48 MINUTES 03 SECONDS EAST, ASSUMED BEARING ALONG THE NORTH LINE OF SAID LOT 1, A DISTANCE OF 114.83 FEET TO A NORTHERLY CORNER OF SAID LOT 1 AND THE POINT OF BEGINNING; THENCE EASTERLY, CONTINUING 35.51 FEET ALONG SAID NORTH LINE AND A TANGENTIAL CURVE, CONCAVE TO THE SOUTH, HAVING A RADIUS OF 845.00 FEET AND A CENTRAL ANGLE OF 2 DEGREES 24 MINUTES 27 SECONDS TO A NORTHERLY CORNER OF SAID LOT 1; THENCE NORTH 00 DEGREES 11 MINUTES 57 SECONDS, ALONG SAID NORTH LINE, A DISTANCE OF 10.73 FEET; THENCE SOUTHEASTERLY 156.63 FEET ALONG A NON-TANGENTIAL CURVE, CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 855.72 FEET, A CENTRAL ANGLE OF 10 DEGREES 29 MINUTES 14 SECONDS AND A CHORD THAT BEARS SOUTH 82 DEGREES 34 MINUTES 42 SECONDS EAST; THENCE SOUTH 81 DEGREES 01 MINUTES 52 SECONDS EAST, NOT TANGENT TO LAST DESCRIBED CURVE, A DISTANCE OF 46.49 FEET; THENCE NORTHEASTERLY 14.99 FEET, ALONG A TANGENTIAL CURVE, CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 13.50 FEET AND A CENTRAL ANGLE OF 63 DEGREES 36 MINUTES 35 SECONDS; THENCE NORTHERLY 12.10 FEET ALONG A COMPOUND CURVE, CONCAVE TO THE WEST HAVING A RADIUS OF 19.50 FEET, A CENTRAL ANGLE OF 35 DEGREES 33 MINUTES 30 SECONDS AND A CHORD THAT BEARS NORTH 17 DEGREES 34 MINUTES 48 SECONDS EAST; THENCE NORTH 89 DEGREES 48 MINUTES 03 SECONDS EAST, NOT TANGENT TO LAST DESCRIBED CURVE, A DISTANCE OF 2.00 FEET; THENCE SOUTH 15 DEGREES 54 MINUTES 45 SECONDS WEST, A DISTANCE OF 29.50 FEET; THENCE SOUTH 19 DEGREES 50 MINUTES 39 SECONDS WEST, A DISTANCE OF 39.14 FEET; THENCE NORTH 75 DEGREES 18 MINUTES 06 SECONDS WEST, A DISTANCE OF 23.81 FEET; THENCE WESTERLY 185.53 FEET ALONG A TANGENTIAL CURVE, CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 822.50 FEET AND A CENTRAL ANGLE OF 12 DEGREES 55 MINUTES 27 SECONDS; THENCE NORTH 88 DEGREES 13 MINUTES 33 SECONDS WEST, A DISTANCE OF 27.43 FEET; THENCE NORTH 00 DEGREES 11 MINUTES 57 SECONDS WEST, A DISTANCE OF 32.24 FEET TO THE POINT OF BEGINNING.

DESCRIPTION SKETCH

FOR: PARKING AND DRIVE AISLE EASEMENT.



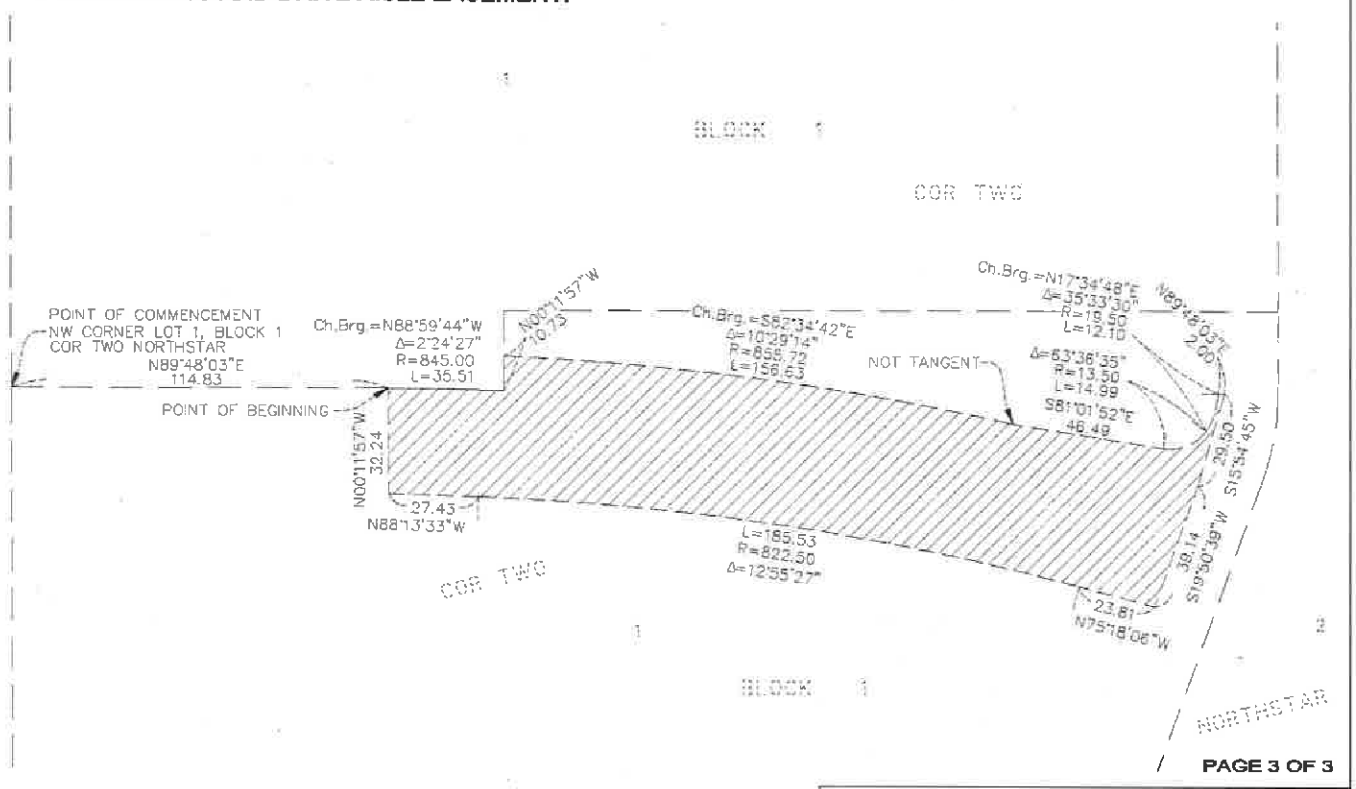
PAGE 2 OF 3

LANDFORM
From Site to Finish
105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. SRE13001 Drawing: ease-SRE001 By: SCT

DESCRIPTION SKETCH

FOR: PARKING AND DRIVE AISLE EASEMENT.



PAGE 3 OF 3

NORTH

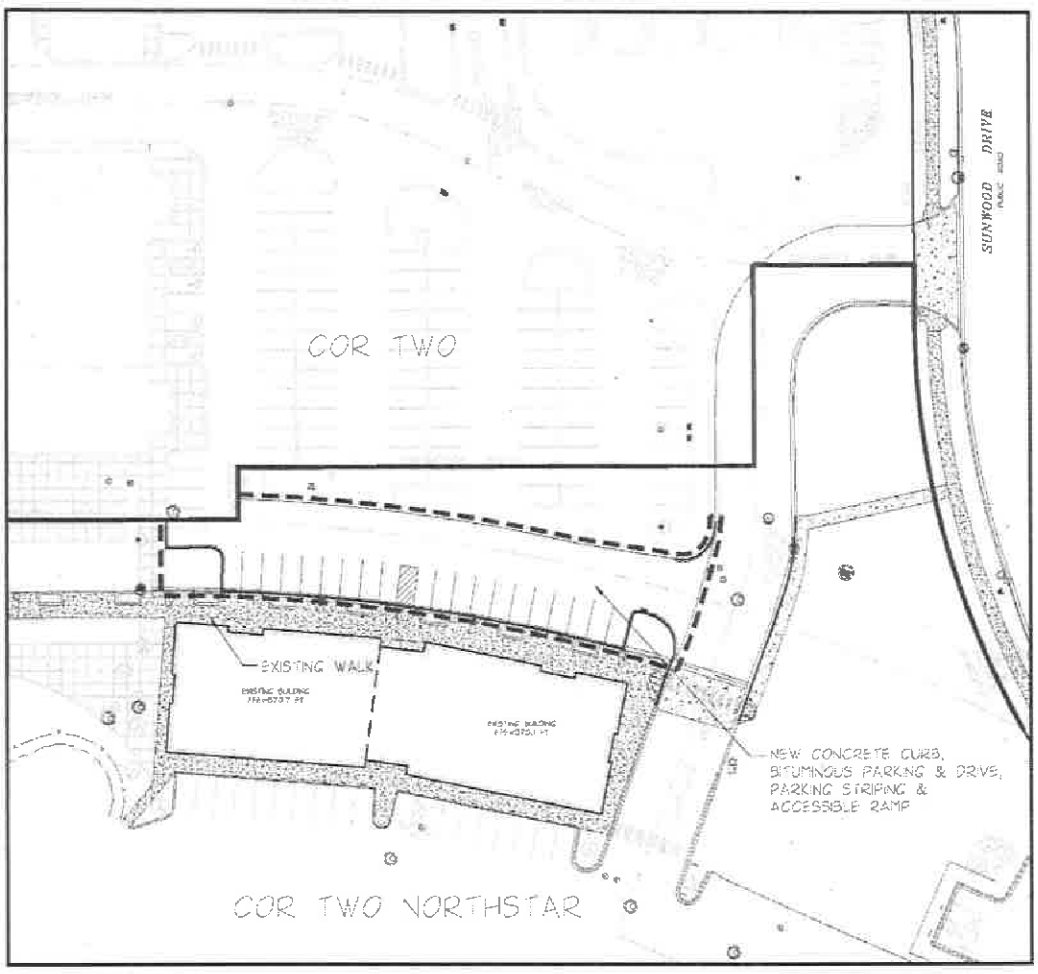
0 200

= PARKING AND DRIVE AISLE EASEMENT

LANDFORM
From Site to Finish

105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. SRE13001 Drawing: ease-SRE001 By: SCT



COR TWO NORTHSTAR

RAMSEY, MN

PLAT LIMITS

PARKING & DRIVE AREA

NORTH

0 60

LANDFORM

From Site to Finish

COR TWO NORTHSTAR PARKING EXHIBIT

DATE (11/19/2013)

ANOKA COUNTY MINNESOTA
Document No.: 521084.013 TORRENS
I hereby certify that the within instrument was filed in this office for record on: 12/27/2013 12:47:00 PM
Fees/Taxes In the Amount of $46.00
JONELL M. SAWYER
Anoka County Property Tax
Administrator/Recorder/Registrar of Titles
GKE, Deputy

Record ID: 2663260

Record ID 2663196

521084.003

DECLARATION OF EASEMENTS, COVENANTS AND RESTRICTIONS FOR COR TWO

DATED AS OF DECEMBER 20, 2013

I. PARTY

The declarant under this Declaration of Easements, Covenants and, Restrictions and Easements for COR TWO ("Declaration") is The Housing and Redevelopment Authority in and for the City of Ramsey, Minnesota, a public body politic and corporate under the laws of the state of Minnesota (the "HRA").

II. RECITALS AND DEFINITIONS

1. The HRA owns certain real property located in the City of Ramsey, Anoka County, Minnesota, which is legally described as Lots 1, 2 and 3, Block 1, and Outlots B and C COR TWO, Anoka County, Minnesota ("Lot 1", "Lot 2", "Lot 3", "Outlot B", and "Outlot C", respectively and collectively the "HRA Property").

2. Lot 1, Lot 2 and Lot 3 are sometimes referred to in this Declaration, individually, as a "Lot" and, collectively, as the "Lots." The terms "Lot" and "Lots" also mean any lot or parcel created by a combination of all or a part of two or more Lots or by a further subdivision of all or a part of a Lot.

3. Outlot B and Outlot C are sometimes referred to in this Declaration, individually, as an "Outlot" and, collectively, as the "Outlots." The terms "Outlot" and "Outlots" also mean any outlot or parcel created by a combination of all or a part of two or more Lots or Outlots or by a further subdivision of all or a part of a Lot or Outlot.

4. The term "Owner" as used in this Declaration means the fee owner(s) of a Lot as reflected in the Anoka County land records except that if the fee owner(s) of a Lot contracts to convey a Lot pursuant to a recorded contract for deed, the vendee(s) under the contract for deed and not the fee owner(s) is or are the "Owner(s)" of the Lot for purposes of this Declaration.

5. The Property constitutes a common interest community under Minnesota Statutes Chapter 515B, but Minnesota Statutes Chapter 515B does not apply by reason of Section 515B.1-102(e)(5).

6. The HRA is executing this Declaration to create certain appurtenant easements for the construction, use, maintenance, repair and replacement of drive lanes that will provide vehicular ingress and egress between the Lots and Sunwood Drive and for the construction, use, maintenance, repair and replacement of private utilities and to establish covenants and restrictions relating to the maintenance, repair and replacement of the improvements located within the easements and relating to the use of the Lots, all for the mutual benefit of the Owners.

7. In addition, to satisfy one of the requirements the City of Ramsey, Minnesota (the "City") imposed in connection with the City's approval of the final plat of COR TWO, the HRA desires to grant the City an easement in gross over and across the Lots to permit the City to inspect and, if the City deems it necessary and appropriate to repair private water lines and storm sewers located on the Property.

8. The HRA may, in the future, execute and record one or more amendments to this Declaration subjecting all or any portion of certain real property located in the City of Ramsey, Anoka County, Minnesota, which is legally described as Lots 1 and 2 and Outlot A, RAMSEY TOWN CENTER 3RD ADDITION, Anoka County, Minnesota (collectively the "Northstar Property") according to the provisions of this Declaration, all as provided in Section 10 hereof. Northstar Marketplace Station, LLC, a Delaware limited liability company ("Northstar") currently owns the Northstar Property.

Now, therefore, the HRA hereby declares and creates for the benefit of the Owners, the easements, covenants and restrictions described herein.

III. AGREEMENT

1. **Recitals.** The Recitals set forth above are a part of this Declaration.

2. **Grant of Easements.** The HRA hereby declares and grants the following easements:

A. **West Access Easement.**

(i) Grant of Easement. The HRA declares a perpetual, non-exclusive, appurtenant easement over, under and across the portion of the HRA Property legally described and depicted on the attached Exhibit A (the "West Access Easement Property") for vehicular access between Lot 1, Lot 2 and Lot 3 and Sunwood Drive, as dedicated on the plat of COR TWO, Anoka County, Minnesota (the "West Access Easement"). The West Access Easement is appurtenant to Lot 1, Lot 2 and Lot 3 and is intended for the use of the Owners of those Lots and their respective tenants, licensees, invitees and guests. The West Access Easement does not grant the Owners of those Lots or their respective tenants, licensees, invitees and guests the right to park vehicles on the West Access Easement Property.

(ii) Construction and Maintenance. The HRA will construct roadway improvements within the West Access Easement Property (the "West Access Improvements"). The Owner of Lot 1 must maintain, repair and replace the West Access Improvements in a clean, safe and otherwise first-class condition and state of repair and in compliance with all applicable laws, codes, regulatory and insurance requirements. Maintenance includes, but is not limited to, the removal and disposal of snow. The Owner of Lot 1 must perform its maintenance, repair and replacement obligations in a manner that does not unreasonably interfere with the use or enjoyment of the West Access Easement Property for its intended purposes. The Owner of Lot 1 may sweep the West Access Improvements and may remove snow from the West Access Improvements without prior notice to other Owners. If the Owner of Lot 1 intends to perform maintenance, repair or replacement work other than sweeping or snow removal on Lot 2 or on Lot 3, the Owner of Lot 1 must give notice to the Owner or Owners of the Lot or Lots upon which the maintenance, repair or replacement work will be undertaken at least seven (7) days before commencing the work.

(iii) Maintenance Costs. The costs of performing the maintenance, repairs and replacements described in Article III, Section 2.A.(ii) (the "West Access Easement Maintenance Costs") shall be allocated between the Owners of Lot 1, Lot 2 and Lot 3. The Owner of Lot 1 is liable for thirty-three and eight tenths percent (33.8%) of the West Access Easement Maintenance Costs; the Owner of Lot 2 is liable for forty and one tenth percent (40.1%) of the West Access Easement Maintenance Costs; and the Owner of Lot 3 is liable for twenty-six and one tenth percent (26.1%) of the West Access Easement Maintenance Costs. Article III, Section 3 of this Declaration describes the Owners obligations with respect to the payment of maintenance costs. Any of the Owners of Lot 1, Lot 2, and Lot 3 will have the right to secure timely bids from responsible contractors to do the maintenance work described in Article III, Section 2.A.(ii), all of which contractors will be at least of equal quality. If the Owner of Lot 1 elects not to use the contractor who has made the lowest responsible bid, then the bid of the contractor making the lowest responsible bid will be used for the purpose of determining each Owner's reimbursement obligation with respect to the West Access Easement Maintenance Costs.

B. **East Access Easement.**

(i) Grant of Easement. The HRA declares a perpetual, non-exclusive, appurtenant easement over, under and across the portion of the

HRA Property legally described and depicted on the attached Exhibit B (the "East Access Easement Property") for vehicular access between Lot 1, Lot 2, Lot 3, Outlot B, and Outlot C and Sunwood Drive, as dedicated on the plat of COR TWO, Anoka County, Minnesota (the "East Access Easement"). The East Access Easement is appurtenant to Lot 1, Lot 2, Lot 3, Outlot B, and Outlot C and is intended for the use of the Owners of those Lots and Outlots and their respective tenants, licensees, invitees and guests. The East Access Easement does not grant the Owners of those Lots and Outlots or their respective tenants, licensees, invitees and guests the right to park vehicles on the East Access Easement Property.

(ii) Construction and Maintenance. The City of Ramsey is constructing roadway improvements within the East Access Easement Property (the "East Access Roadway"). In addition to the East Access Roadway, Outlot B also contains a drainage pond and certain storm sewer lines as shown on the attached Exhibit E (collectively with the East Access Roadway, the "East Access Improvements"). The Owners of Outlot B and Outlot C must maintain, repair and replace the East Access Improvements in a clean, safe and otherwise first-class condition and state of repair and in compliance with all applicable laws, codes, regulatory and insurance requirements. Maintenance includes, but is not limited to, the removal of snow with respect to the East Access Roadway. The Owners of Outlot B and Outlot C must perform its maintenance, repair and replacement obligations in a manner that does not unreasonably interfere with the use or enjoyment of the East Access Easement Property for its intended purposes. The Owners of Outlot B and Outlot C may sweep the East Access Improvements, remove snow from the East Access Improvements and complete routine maintenance of the East Access Improvements without prior notice to other Owners. If the Owners of Outlot B and Outlot C intend to perform maintenance, repair or replacement work with respect to the East Access Roadway other than sweeping, snow removal and disposal or routine maintenance on Lot 1, Lot 2, Lot 3, or Outlot B, the Owner of Outlot C must give notice to the Owner or Owners of the Lot or Lots upon which the maintenance, repair or replacement work will be undertaken at least seven (7) days before commencing the work.

(iii) Maintenance Costs. The costs of performing the maintenance, repairs and replacements described in Article III, Section 2.B.(ii) (the "East Access Easement Maintenance Costs") shall be allocated between the Owners of Lot 1 and Outlots B and C. The Owner of Lot 1 is liable for seventy and six tenths percent (70.6%) of the East Access Easement Maintenance Costs; the Owner of

Outlot B is liable for eighteen and two tenths percent (18.2%) of the East Access Easement Maintenance Costs; and the Owner of Outlot C is liable for eleven and two tenths percent (11.2%) of the East Access Easement Maintenance Costs. Article III, Section 3 of this Declaration describes the Owners obligations with respect to the payment of maintenance costs. Notwithstanding anything to the contrary herein, the Owner of Lot 1 shall not be responsible for any portion of the East Access Easement Maintenance Costs until Lot 1 is developed and a certificate of occupancy has been issued for the building constructed on the property.

C. **Storm Sewer Easement.**

(i) Grant of Easement. The HRA declares a perpetual, non-exclusive, appurtenant easement over, under and across the portion of the HRA Property legally described on the attached Exhibit C (the "Storm Sewer Easement Property") for the benefit of Lot 1, Lot 2 and Lot 3 for the installation, use, inspection, maintenance, repair and replacement of private storm sewer lines and equipment (the "Storm Sewer Easement").

(ii) Construction and Maintenance. The HRA will arrange for the construction of shared, private storm sewer lines and equipment in the Storm Sewer Easement (the "Shared Storm Sewer Improvements"). The Shared Storm Sewer Improvements shall be deemed private improvements even if a public utility easement is dedicated over all or a portion of the Storm Sewer Easement Property. The Owner of Lot 1 must maintain, repair and replace the Shared Storm Sewer Improvements. The Owner of Lot 1 must perform its maintenance, repair and replacement obligations in a manner that does not unreasonably interfere with the use or enjoyment of the Storm Sewer Easement Property for its intended purposes. If the Owner of Lot 1 intends to perform maintenance, repair or replacement work on the Shared Storm Sewer Improvements on Lot 2 or on Lot 3, the Owner of Lot 1 must give the Owner or Owners of the Lot or Lots upon which the maintenance, repair or replacement work will be undertaken at least seven (7) days before commencing the work.

(iii) Maintenance Costs. The cost of maintaining, repairing and replacing the Shared Storm Sewer Improvements (the "Shared Storm Sewer Improvement Maintenance Costs") shall be allocated between the Owners of Lot 1, Lot 2 and Lot 3 as follows: The Owner of Lot 1 is liable for thirty-three and five tenths percent (33.5%) of the Shared Storm Sewer Improvement Maintenance Costs; the Owner of Lot 2 is liable for thirty-three and one tenth percent (33.1%) of the Shared Storm Sewer Improvement

Maintenance Costs; and the Owner of Lot 3 is liable for thirty-three and four tenths percent (33.4%) of the Shared Storm Sewer Improvement Maintenance Costs. Article III, Section 3 of this Declaration describes the Owners obligations with respect to the payment of maintenance costs. To the extent the Shared Storm Sewer Improvements are constructed on Outlot C, the Owner of Outlot C has no obligation to pay any portion of the Shared Storm Sewer Improvement Maintenance Costs. Any of the Owners of Lot 1, Lot 2, and Lot 3 will have the right to secure timely bids from responsible contractors to do the maintenance work described in Article III, Section 2.C.(ii), all of which contractors will be at least of equal quality. If the Owner of Lot 1 elects not to use the contractor who has made the lowest responsible bid, then the bid of the contractor making the lowest responsible bid will be used for the purpose of determining each Owner's reimbursement obligation with respect to the Shared Storm Sewer Improvement Maintenance Costs.

D. **Grant of Inspection and Repair Easement to City**. The HRA grants the City of Ramsey a perpetual, non-exclusive easement in gross over and across the Lots to permit the City to inspect private water lines, storm sewer lines and related equipment located on the HRA Property and to maintain and repair those lines and equipment if the City determines that the Lot Owners are not adequately maintaining or repairing those lines or equipment (the "Public Inspection Repair Easement"). Except in circumstances where the City must act promptly to prevent or limit damage to public or private property or to protect public health and safety, the City must give Owners written notice of the maintenance or repairs the City determines are necessary and must allow the Owners thirty (30) days after the delivery of such notice to perform the maintenance or repairs themselves before the City may exercise its right to maintain or repair private lines and equipment. If the City makes inspections or undertakes maintenance or repairs pursuant to this Section D, the City must use commercially reasonable efforts to minimize disruption to the Owners; the Owners' tenants; and the Owners' and the Owners' tenants guests and invitees. If the City incurs costs or expenses to maintain or repair private water lines, storm sewer lines or related equipment as authorized by this Section, the City may allocate the costs that the City incurs among the Lots the City's work benefits based on the relative square foot area of the benefitted Lots or on such other basis as the City determines to be fair and equitable to the Owners and may provide the Owners with notice of the amount of the costs allocated to each Lot. Owners must pay amounts the City allocates to the Owner's Lot to the City within thirty (30) days after the City provides written notice of the amount due. If an Owner fails to pay amounts the City allocates to the Owner's lot to the City within thirty (30) days after the City provides written notice of the amount due, the City may levy special assessment against the Lot for the amount the City

allocated to the Owner's Lot in accordance with the requirements in Minnesota Statute Chapter 429.

E. **Defined Term "Easement" and "Easements".** The West Access Easement, the East Access Easement, and the Storm Sewer Easement are referred to in this Declaration, individually, as an "Easement," and, collectively, as the "Easements."

F. **Rights of Owners of Burdened Lots.** The Owner of a Lot an Easement burdens may use the Owner's Lot in all ways that do not unreasonably interfere with the rights granted under Easements and has the right to grant additional non-exclusive easements to third parties.

3. **Payment of Maintenance Costs.**

A. **Payment Requests and the Obligation to Make Payments.** Within sixty (60) days after the end of each calendar year, an Owner who is responsible for performing maintenance, making repairs and replacing improvements under Section 2.A(ii), Section 2.B(ii), or Section 2.C(ii) of this Article III will submit payment invoices to the other Owners who are liable for a share of the costs of such work under Section 2.A.(iii), Section 2.B(iii), or Section 2C.(iii) of this Article III. Each invoice shall contain the following information: (i) the total amount the Owner paid in West Access Easement Maintenance Costs, East Access Easement Maintenance Costs, or Shared Storm Sewer Improvement Maintenance Costs, as the case may be, during the previous calendar year; and (ii) the calculation of each Owner's share of the West Access Easement Maintenance Costs, East Access Easement Maintenance Costs, or Shared Storm Sewer Improvement Maintenance Costs, as the case may be, based on the percentages set forth in Section 2.A(iii), Section 2.B(iii) or Section 2.C(iii) (each a "Payment Request"). Owners must pay all amounts due pursuant to a Payment Request to the Owner submitting the Payment Request within thirty (30) days after delivery of the Payment Request to the Owner.

B. **Records.** An Owner performing maintenance or making repairs or replacements pursuant to Section 2.A(ii), Section 2.B(ii), or Section 2.C(ii) of this Article III (a "Maintaining Owner") must maintain accurate records regarding the West Access Easement Maintenance Costs, East Access Easement Maintenance Costs, or Shared Storm Sewer Improvement Maintenance Costs the Maintaining Owner incurs (the "Maintenance Costs Records"); provided the Maintaining Owner may, at any time, discard Maintenance Costs Records that are more than seven (7) years old. An Owner who is obligated to pay a Maintaining Owner for West Access Easement Maintenance Costs, East Access Easement Maintenance Costs, or Shared Storm Sewer Improvement Maintenance Costs (a "Paying Owner") may, upon submission of a written request to

the Maintaining Owner to whom the Paying Owner is obligated to make payments, examine such Maintaining Owner's Maintenance Cost Records and the Maintaining Owner must make its Maintenance Cost Records available to the Paying Owner for review within thirty (30) days of the Paying Owners' Request. If, after inspecting a Maintaining Owner's Maintenance Cost Records, a Paying Owner believes there are errors or discrepancies in the Maintaining Owners Maintenance Records which have resulted in overpayment by the Paying Owner, the Paying Owner may notify the Maintaining Owner of the existence and substance of all discrepancies the Paying Owner is alleging. The Paying Owner and the Maintaining Owner shall have thirty (30) days to resolve the alleged discrepancies to their mutual satisfaction, and if they are not successful in resolving the discrepancies to their mutual satisfaction, either the Maintaining Owner or the Paying Owner may in Anoka County District Court pursue any and all remedies available at law or in equity including, but not limited to the commencement of one or more actions seeking monetary damages, injunctive relief and specific performance. In any such action, the prevailing party shall be entitled to recover its reasonable attorney fees and costs and, if the Paying Party prevails, the Paying Owner may also recover the actual out of pocket costs the Paying Owner incurred to review and audit the Maintaining Owners Maintenance Records

C. **Interest and Late Fees.** If any Paying Owner fails to pay its share of West Access Easement Maintenance Costs, East Access Easement Maintenance Costs, or Shared Storm Sewer Improvement Maintenance Costs within thirty (30) days after receipt of a Payment Request, then in addition to such rights and remedies provided for under Section 6, the Maintaining Owner entitled to receive such payment is entitled to also receive: (i) interest at a rate equal to the lower of the highest rate permitted by law, or four percent (4%) above the reference rate announced from time to time by U.S. Bank, N.A., Minneapolis office (or the reference rate of any successor bank designated by mutual agreement of the parties), from the date the payment was due until the date the payment is received; (ii) a late payment charge in the amount of Two Hundred Fifty Dollars ($250.00), not as a penalty, but as a way of defraying the costs that would be incurred in dealing with late payments; and (iii) reasonable attorneys' fees it incurs as a result of payment delinquencies.

4. **Insurance.** The HRA agrees to maintain, at all times, a policy or policies of commercial general liability insurance providing coverage on an "occurrence" rather than a "claims made" basis. The policy shall include coverage for bodily injury, property damage, personal injury, contractual liability (applying to this Declaration), and independent contractors. The policy or policies shall be in such amounts as prudent owners of the type of each property the HRA owns within the Minneapolis, Minnesota metropolitan statistical area would maintain but in any event must be in at least the amount of $1,000,000 per occurrence and $2,000,000 in aggregate. The HRA agrees to provide evidence of such liability insurance in the form of a Certificate of Insurance if requested by the other Owners.

5. **Compliance with Laws.** The Owners must at all times use the Lots in compliance with all statutes, laws, rules, regulations and ordinances as may exist from time to time and that they shall not, at any time, use, store, dispose of or release on any Lot or cause or permit to exist to be used, stored, disposed of or released on any Lot any substance which is defined as a "hazardous substance", "hazardous material", "toxic substances" or "solid waste" in violation of any federal, state or local law, statute or ordinance.

6. **Restriction.** No improvements, building, fence, wall or other structure may be built or maintained on the portion of Outlot B that is legally described and depicted on the attached Exhibit D (for the purposes of this Section 6 the "Restricted Property"). The Restricted Property may be used for surface uses such as a parking lots, patios, hardscaping and landscaping. The owner of the Restricted Property may construct one sign within the Restricted Property. In addition to compliance with all provisions of the City of Ramsey's Code of Ordinances that apply to any such sign, the design of any sign constructed on the Restricted Property must be harmonious with any signs located on Lot 1, Lot 2 and Lot 3 at the time of construction of a sign on Outlot B. The Owner of Lot 1 may not create any additional curb cuts along the western edge of the East Access Easement Property labeled as "Restricted Access" as shown on Exhibit B.

7. **Emergency Self Help.** Notwithstanding the allocations of responsibility for maintenance, repair and replacement set forth in Sections 2.A(ii), 2.B(ii) or 2.C(ii) of this Article III, the Owner of a Lot benefitted by an Easement may make emergency repairs to or plow and remove debris from the portions of the West Roadway Improvements or the East Roadway Improvements that provide access to the Owners' Lot and may make emergency repairs to Shared Storm Sewer Improvements serving the Owners' Lot or the improvements located on the Owners' Lot, if and to the extent necessary to maintain commercially reasonable access and utility service to the Owners' Lot. An Owner performing such emergency repairs, plowing or debris removal must use commercially reasonable efforts to notify, in writing or otherwise, the Owner otherwise responsible under this Declaration for such repairs, plowing or debris removal of the performing Owners' actions as promptly as possible. An Owner who exercises its rights under this Section 7 without giving the thirty (30) day notice and opportunity to cure described in Section 8 is not entitled to recover and does not have a lien for its costs it incurs to in undertaking the emergency repairs, snow removal or debris removal pursuant to the self-help provisions of Section 8 but may, notwithstanding its failure to give the thirty (30) day advance written notice of default as contemplated in Section 8, commence an action in Anoka County District Court against the party responsible under this Declaration for the performance of the repairs and in such action pursue any and all remedies available at law or in equity including, but not limited to the commencement of one or more actions seeking monetary damages, injunctive relief and specific performance. In any such action, the prevailing party shall be entitled to recover its reasonable attorney fees and costs.

8. **Default.** If Owner defaults in the performance of one or more of its obligations under this Declaration or in the observance of one or more of the restrictions set forth in this Declaration and such default continues for thirty (30) days after another Owner delivers a written notice of default to the defaulting Owner, the non-defaulting Owner may commence an action in Anoka County District Court to pursue any and all remedies available at law or in equity including, but not limited to the commencement of one or more actions seeking monetary

damages, injunctive relief and specific performance. In any such action, the prevailing party shall be entitled to recover its reasonable attorney fees and costs. If an Owner responsible for maintenance, repairs and replacements under Section 2.A(ii) or Section 2.C(ii) of this Article III defaults in the performance of its obligation to maintain, repair or replace pursuant to Sections 2.A(ii) or Section 2.C(ii) of this Article III, another Owner gives the defaulting Owner a notice of default as contemplated in this Section 8 and the defaulting Owner fails or refused to cure its default within the thirty (30) day period provided for in this Section 7, the Owner who provided the notice of default may perform the obligations of the defaulting Owner or may engage a third party to perform the obligations of the defaulting Owner and shall be entitled to recover its costs of performance from other Owners in accordance with the terms of this Declaration. If an Owner fails or refuses to pay amounts due under Section 3(B) of this Article III when and as due and fails or refuses to cure its default within the thirty (30) day period provided for in this Section 8, the Owner entitled to payment under Section 3(B) shall have and is entitle to foreclose a lien against the defaulting Owner's Lot; provided, however, the lien may only be foreclosed by action and in the same manner as the foreclosure of a mortgage by action, under Minnesota Statutes Chapter 581.

9. **Amendments.** Except as provided in this Section 9, neither this Declaration nor the easements granted and declared herein may be amended, modified or terminated except by recording in the appropriate County land records of Anoka County, Minnesota a written agreement that all of the Owners of all of the Lots have executed. The Owners of all of the Lots that the West Access Easement either benefits or burdens may, without notice to or the consent of the Owners of other Lots, modify or amend the legal description of the West Access Easement by recording in the appropriate County land records of Anoka County, Minnesota a written modification agreement or amendment that all of the Owners of the Lots benefitted or burdened Lots have executed. An Owner of a Lot that the Storm Sewer Easement burdens may, without notice to or the consent of the Owners of other Lots, relocate the Storm Sewer Improvements located on that Owner's Lot and unilaterally amend this Declaration to relocate the boundaries of the portion of the Storm Sewer Easement located on the Owner's Lot provided: (1) the Owner does so at its sole cost and expense; (2) the design standards and actual performance of the relocated Storm Sewer Improvements (in terms of both capacity, rate of flow and storm water treatment) meets or exceeds the design standards and actual performance of the Storm Sewer Improvements being relocated; (3) the relocation does not result materially interrupt or interfere with other Owners use of the Storm Sewer Improvements; and (4) the Owner who is relocating the Storm Sewer Improvements on its Lot records a unilateral amendment to this Declaration relocating the Storm Sewer Easement to correspond to the location of the relocated Storm Sewer Improvements.

10. **Addition of Northstar Property.** The HRA may, without the consent of any other Owner but with the written consent of Northstar and any lender which has a recorded mortgage against the Northstar Property, execute and record one or more amendments to this Declaration (the "Amendment") to extend the benefits of the East Access Easement for the benefit of Outlot B and Outlot C to the Northstar Property. Such Amendment will also re-allocate the East Access Easement Maintenance Costs to the owners of Lot 1 and the Northstar Property based on the leasable area of the buildings on Lot 1 and the Northstar Property (as combined with Outlot B and Outlot C) as improved from time to time. Upon execution and recording of such Amendment, Northstar will become an "Owner" under the Declaration and as

such will be subject to all terms applicable to each "Owner" under this Declaration, including without limitation, Sections 4 and 5 of this Declaration. Any such Amendment must contain the address for Northstar which will be effective for purposes of Section 11 of this Declaration.

11. **Notices.** To the extent that any notices are required hereunder, such notice shall be in writing and shall be effective if sent to the HRA via certified or registered mail, return receipt requested at the addresses as set forth below:

The Housing and Redevelopment Authority in and for the City of Ramsey
Attn: Executive Director
Ramsey Municipal Center
7550 Sunwood Drive
Ramsey, Minnesota 55303

With a copy to: Joseph J. Langel, Attorney at Law
Ratwik, Rozak & Maloney, P.A.
300 U.S. Trust Building
730 Second Avenue South
Minneapolis, MN 55402

Any Owner or an Owner's successor in title may designate a different address or addresses for notices by giving written notice to the other Owners. Notices not sent via certified or registered mail as described above are effective as of the date the entity receiving the notice actually receives the notice.

12. **Covenants Running with the Land.** The HRA intends for the easements, covenants and restrictions herein run with title to the Lots and to inure to the benefit of and be binding upon the Owners of the Lots, and their respective successors in title; provided, however, when ownership of a Lot is transferred, whether by conveyance, operation of law or otherwise, the transferring Owner is automatically relieved from liability for any future obligations first arising under this Declaration after the effective date of the conveyance or other transfer. The transferring Owner remains liable for any obligations first arising before the effective date of the conveyance or other transfer.

13. **Severability.** If any provision of this Declaration is held invalid, the validity of the remainder of the Declaration shall not be affected thereby.

14. **Failure to Enforce Not a Waiver.** No provision contained in this Declaration shall be deemed to have been abrogated or waived by reason of any failure to enforce the same.

15. **Estoppel Certificates.** Upon the request of any Owner or a prospective lender, purchaser, tenant or mortgagee of an Owner, an Owner must execute and deliver estoppel certificate stating, to the best of the certifying Owner's knowledge that a) this Declaration is in full force and effect (or describing why this Declaration is not in full force and effect such amendment); b) this Declaration has not been amended (or stating the terms of any alleged amendment); c) the certifying Owner or any other specified Owner is not in default under the Declaration (or list any known defaults).

16. **No Merger.** It is the intent of the HRA that the Easements, covenants and other interests described herein shall not merge into the fee ownership of any of the Lots.

17. **Governing Law.** This Declaration has been entered into in the State of Minnesota and shall be governed by and construed under the laws of the State of Minnesota.

18. **Section Headings.** The section headings contained in this Declaration are for purposes of reference and convenience only and shall not limit or otherwise affect in any way the meaning of this Declaration.

(Signatures appear on following pages)

IN WITNESS WHEREOF, the HRA has executed this Declaration as of the date and year as set forth above.

THE HOUSING AND REDEVELOPMENT AUTHORITY IN AND FOR THE CITY OF RAMSEY, MINNESOTA,
a public body under the laws of Minnesota

By: _____
Its Chair

By: _____
Its Executive Director

STATE OF MINNESOTA)
) ss.
COUNTY OF ANOKA)

The foregoing instrument was acknowledged before me this 10th day of December 2012, by Randy Backous the Chair, and Kurtis G. Ulrich the Executive Director, of The Housing and Redevelopment Authority in and for the City of Ramsey, Minnesota, a public body under the laws of Minnesota, on behalf of said public body.

_____
Notary Public

JOANN THIELING
Notary Public
Minnesota
My Commission Expires January 31, 2015

This Instrument Drafted By:
Briggs and Morgan, P.A. (TLB)
2200 IDS Center
80 South Eighth Street
Minneapolis, MN 55402

EXHIBIT A

Legal Description of the West Access Easement Property

DESCRIPTION SKETCH

FOR: COR TWO ACCESS EASEMENT

LEGAL DESCRIPTION

AN INGRESS AND EGRESS EASEMENT OVER AND ACROSS THAT PART OF LOTS 1, 2 AND 3, BLOCK 1, COR TWO, ANOKA COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID LOT 2; THENCE NORTH 00 DEGREES 11 MINUTES 57 SECONDS WEST, ASSUMED BEARING ALONG THE WEST LINE OF SAID LOT 2, A DISTANCE OF 20.00 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 03 SECONDS EAST, PARALLEL WITH THE SOUTH LINE OF SAID LOT 2, A DISTANCE OF 154.56 FEET; THENCE SOUTHEASTERLY 83.66 FEET, PARALLEL WITH SAID SOUTH LINE AND ALONG A TANGENTIAL CURVE, CONCAVE TO THE SOUTH, HAVING A RADIUS OF 220.00 FEET, A CENTRAL ANGLE OF 21 DEGREES 47 MINUTES 14 SECONDS AND A CHORD THAT BEARS SOUTH 79 DEGREES 18 MINUTES 20 SECONDS EAST; THENCE NORTH 53 DEGREES 55 MINUTES 25 SECONDS EAST, A DISTANCE OF 15.17 FEET; THENCE NORTH 05 DEGREES 41 MINUTES 40 SECONDS WEST, PARALLEL WITH THE EAST LINE OF SAID LOT 2, A DISTANCE OF 58.96 FEET; THENCE NORTHERLY 40.39 FEET, PARALLEL WITH SAID EASTERLY LINE AND ALONG A TANGENTIAL CURVE, CONCAVE TO THE EAST, HAVING A RADIUS OF 515.00 FEET AND A CENTRAL ANGLE OF 5 DEGREES 29 MINUTES 43 SECONDS; THENCE NORTH 00 DEGREES 11 MINUTES 57 SECONDS WEST, PARALLEL WITH SAID WEST LINE, A DISTANCE OF 104.81 FEET TO THE NORTH LINE OF SAID LOT 2, THENCE NORTH 89 DEGREES 47 MINUTES 46 SECONDS EAST, ALONG SAID NORTH LINE, A DISTANCE OF 15.00 FEET TO THE NORTHEAST CORNER OF SAID LOT 2; THENCE CONTINUING NORTH 89 DEGREES 47 MINUTES 46 SECONDS EAST, ALONG THE NORTH LINE OF SAID LOT 3, A DISTANCE OF 15.00 FEET; THENCE SOUTH 00 DEGREES 11 MINUTES 57 SECONDS, PARALLEL WITH SAID EAST LINE OF SAID LOT 2 AND THE WEST LINE OF SAID LOT 3, A DISTANCE OF 104.81 FEET; THENCE SOUTHERLY 46.52 FEET, PARALLEL WITH SAID WEST LINE AND ALONG A TANGENTIAL CURVE, CONCAVE TO THE EAST, HAVING A RADIUS OF 485.00 FEET AND A CENTRAL ANGLE OF 5 DEGREES 29 MINUTES 43 SECONDS; THENCE SOUGH 05 DEGREES 41 MINUTES 40 SECONDS EAST, PARALLEL WITH SAID WEST LINE, A DISTANCE OF 75.58 FEET; THENCE SOUTH 32 DEGREES 49 MINUTES 06 SECONDS EAST, A DISTANCE OF 27.46 FEET; THENCE SOUTH 64 DEGREES 11 MINUTES 24 SECONDS EAST, PARALLEL WITH THE SOUTH LINE OF SAID LOT 3, A DISTANCE OF 29.82 FEET; THENCE SOUTHEASTERLY 47.50 FEET, PARALLEL WITH SAID SOUTH LINE AND ALONG A TANGENTIAL CURVE, CONCAVE TO THE NORTH, HAVING A RADIUS OF 180.00 FEET AND A CENTRAL ANGLE OF 15 DEGREES 07 MINUTES 07 SECONDS AND A CHORD THAT BEARS SOUTH 71 DEGREES 44 MINUTES 57 SECONDS EAST; THENCE SOUTH 00 DEGREES 11 MINUTES 57 SECONDS EAST, PARALLEL WITH SAID WEST LINE OF LOT 3, A DISTANCE OF 40.60 FEET; THENCE NORTHWESTERLY 65.72 FEET, PARALLEL WITH THE NORTH LINE OF SAID LOT 1 AND ALONG A NON-TANGENTIAL CURVE, CONCAVE TO THE NORTHEAST, HAVING A RADIUS OF 220.00 FEET AND A CENTRAL ANGLE OF 17 DEGREES 07 MINUTES 00 DEGREES AND A CHORD THAT BEARS NORTH 72 DEGREES 44 MINUTES 54 SECONDS; THENCE NORTH 64 DEGREES 11 MINUTES 24 SECONDS WEST, PARALLEL WITH THE NORTH LINE OF SAID LOT 1 AND TANGENT TO LAST DESCRIBED CURVE, A DISTANCE OF 78.49 FEET; THENCE WESTERLY 81.71 FEET, PARALLEL WITH SAID NORTH LINE OF SAID LOT 1 AND ALONG A TANGENTIAL CURVE, CONCAVE TO THE SOUTH HAVING A RADIUS OF 180.00 FEET AND A CENTRAL ANGLE OF 26 DEGREES 00 MINUTES 33 SECONDS; THENCE SOUTH 89 DEGREES 48 MINUTES 03 SECONDS WEST, PARALLEL WITH SAID NORTH LINE OF SAID LOT 1 AND TANGENT TO LAST DESCRIBED CURVE, A DISTANCE OF 154.56 FEET TO THE WEST LINE OF SAID LOT 1, THENCE NORTH 00 DEGREES 11 MINUTES 57 SECONDS WEST, ALONG SAID WEST LINE, A DISTANCE OF 20.00 FEET TO THE POINT OF BEGINNING.

PAGE 1 OF 3

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly licensed Land Surveyor under the laws of the State of Minnesota.

SCOTT C. TROSEN
License. No. 47465
Date: 08.06.12
Revised: 03.25.13

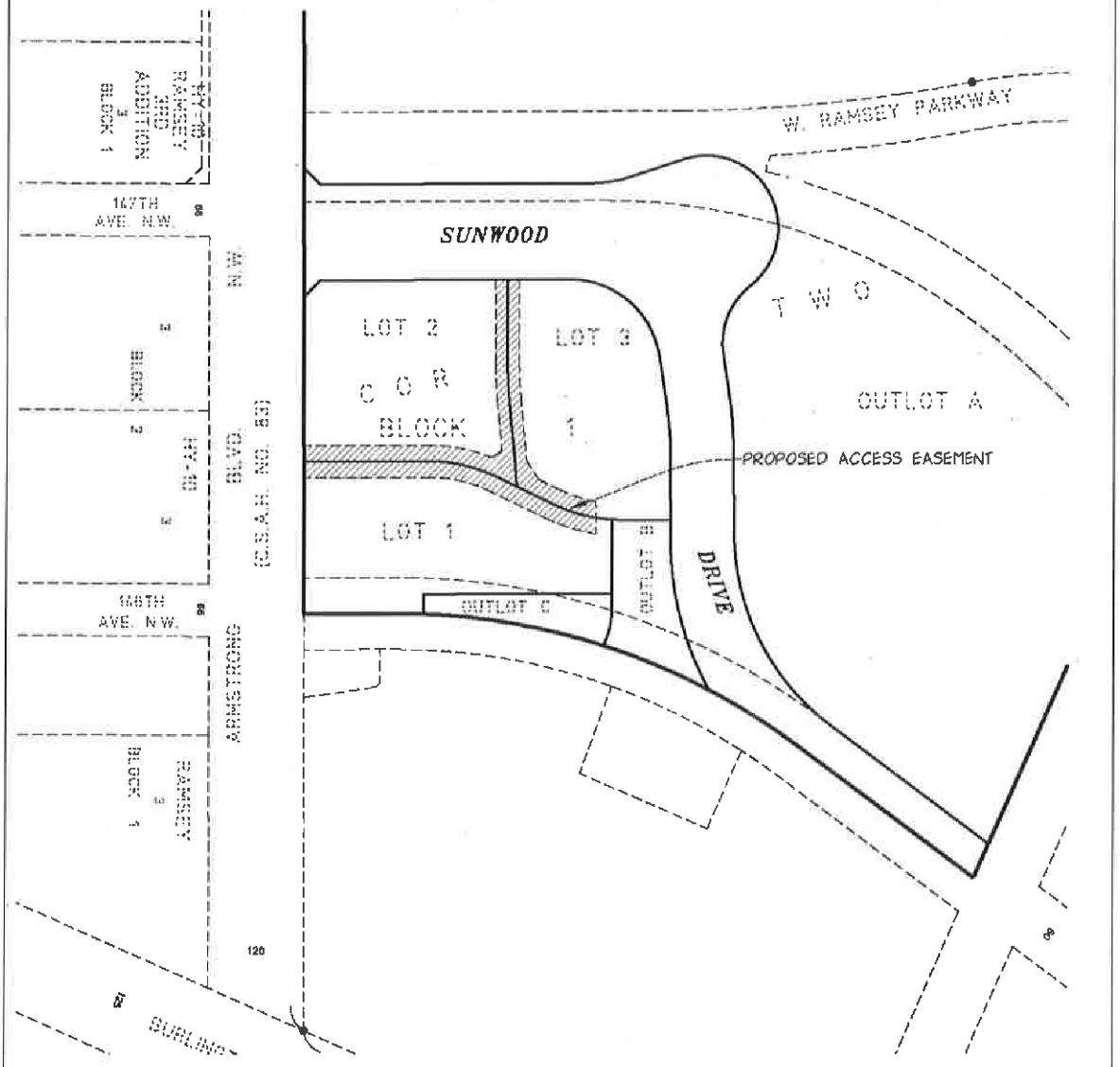
LANDFORM
From Site to Finish

105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. RAM12020 Drawing: ease-Access W. By: SCT

DESCRIPTION SKETCH

FOR: COR TWO ACCESS EASEMENT



PAGE 2 OF 3

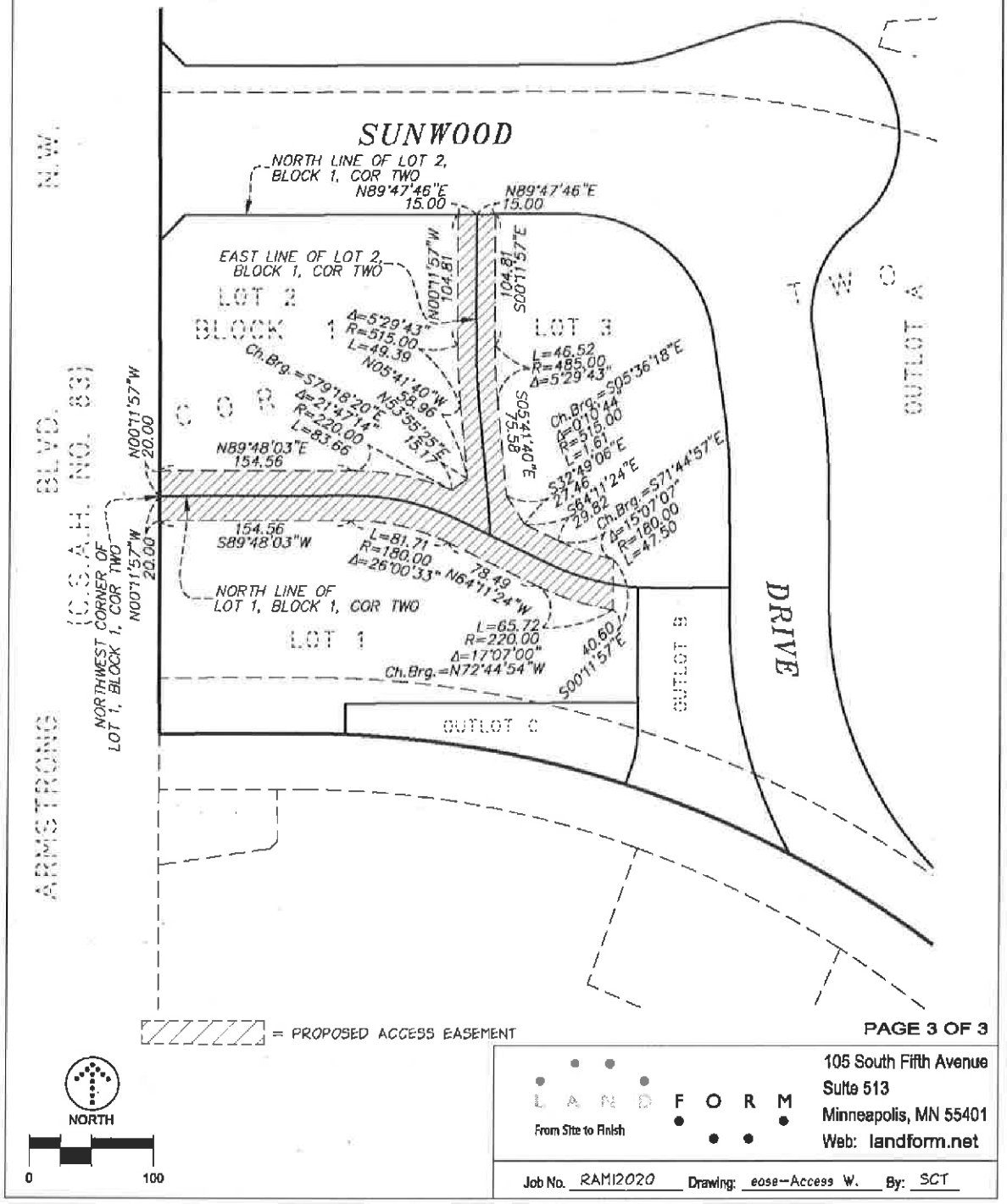
LANDFORM
From Site to Finish

105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. RAM12020 Drawing: ease-Access W. By: SCT

DESCRIPTION SKETCH

FOR: COR TWO ACCESS EASEMENT



PAGE 3 OF 3

LAND FORM
From Site to Finish

105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. RAM12020 Drawing: ease-Access W. By: SCT

EXHIBIT B

Legal Description of the East Access Easement Property

DESCRIPTION SKETCH

FOR: COR TWO ACCESS EASEMENT

LEGAL DESCRIPTION

AN INGRESS AND EGRESS EASEMENT OVER AND ACROSS THAT PART OF LOT 1 AND LOT 3, BLOCK 1 AND OUTLOT B AND OUTLOT C, COR TWO, ANOKA COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID OUTLOT B, COR TWO; THENCE SOUTH 00 DEGREES 11 MINUTES 57 SECONDS EAST, ASSUMED BEARING, ALONG THE EAST LINE OF SAID OUTLOT B, A DISTANCE OF 20.00 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 03 SECONDS WEST, PARALLEL WITH THE NORTH LINE OF SAID LOT 1, A DISTANCE OF 29.00 FEET; THENCE SOUTH 44 DEGREES 48 MINUTES 03 SECONDS WEST, A DISTANCE OF 35.36 FEET; THENCE SOUTH 00 DEGREES 11 MINUTES 57 SECONDS EAST, PARALLEL WITH THE WESTERLY LINE OF SAID OUTLOT B, A DISTANCE OF 71.19 FEET; THENCE SOUTHERLY 35.68 FEET, PARALLEL WITH SAID WESTERLY LINE AND ALONG A TANGENTIAL CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 102.00 FEET AND A CENTRAL ANGLE OF 20 DEGREES 02 MINUTES 36 SECONDS; THENCE SOUTH 19 DEGREES 50 MINUTES 39 SECONDS WEST, PARALLEL WITH SAID WEST LINE AND TANGENT TO LAST DESCRIBED CURVE, A DISTANCE OF 13.83 FEET TO THE SOUTH LINE OF SAID OUTLOT B; THENCE NORTHWESTERLY, 20.01 FEET ALONG A NON-TANGENTIAL CURVE CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 845.00 FEET, A CENTRAL ANGLE OF 01 DEGREES 21 MINUTES 23 SECONDS AND A CHORD THAT BEARS NORTH 71 DEGREES 28 MINUTES 22 SECONDS WEST TO THE SOUTHWEST CORNER OF SAID OUTLOT B; THENCE NORTHWESTERLY, 20.02 FEET ALONG A COMPOUND CURVE, HAVING A RADIUS OF 845.00 FEET, A CENTRAL ANGLE OF 01 DEGREES 21 MINUTES 27 SECONDS AND A CHORD THAT BEARS NORTH 72 DEGREES 49 MINUTES 47 SECONDS WEST TO A POINT ON THE SOUTH LINE OF SAID OUTLOT C, SAID POINT BEING THE INTERSECTION OF SAID SOUTH LINE OF OUTLOT C AND THE SOUTHERLY EXTENSION OF A LINE DRAWN PARALLEL WITH AND DISTANT 20.00 FEET WESTERLY THE EAST LINE OF SAID OUTLOT B; THENCE NORTH 19 DEGREES 50 MINUTES 39 SECONDS EAST, ALONG SAID PARALLEL LINE, A DISTANCE OF 15.22 FEET; THENCE NORTHERLY, 21.69 FEET, PARALLEL WITH SAID EASTERLY LINE AND ALONG A TANGENTIAL CURVE, CONCAVE TO THE WEST, HAVING A RADIUS OF 62.00 FEET AND A CENTRAL ANGLE OF 20 DEGREES 02 MINUTES 36 SECONDS; THENCE NORTH 00 DEGREES 11 MINUTES 57 SECONDS WEST, PARALLEL WITH SAID EASTERLY LINE OF SAID OUTLOT C AND THE EASTERLY LINE OF SAID LOT 1 AND ITS NORTHERLY EXTENSION, A DISTANCE OF 139.43 FEET; THENCE EASTERLY 34.21 FEET, PARALLEL WITH THE SOUTH LINE OF SAID LOT 3 AND ALONG A NON-TANGENTIAL CURVE, CONCAVE TO THE NORTH, HAVING A RADIUS OF 180.00 FEET, A CENTRAL ANGLE OF 10 DEGREES 53 MINUTES 26 SECONDS AND A CHORD THAT BEARS SOUTH 84 DEGREES 45 MINUTES 14 SECONDS EAST; THENCE NORTH 89 DEGREES 48 MINUTES 03 SECONDS EAST, PARALLEL WITH THE SAID SOUTH LINE OF LOT 3, A DISTANCE OF 59.99 FEET TO THE EASTERLY LINE OF SAID LOT 3; THENCE SOUTH 00 DEGREES 11 MINUTES 57 SECONDS EAST ALONG SAID EASTERLY LINE, A DISTANCE OF 20.00 FEET TO THE POINT OF BEGINNING.

PAGE 1 OF 3

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly licensed Land Surveyor under the laws of the State of Minnesota.

SCOTT C. TROSEN
License. No. 47465
Date: 08.06.12
Revised: 11.26.13

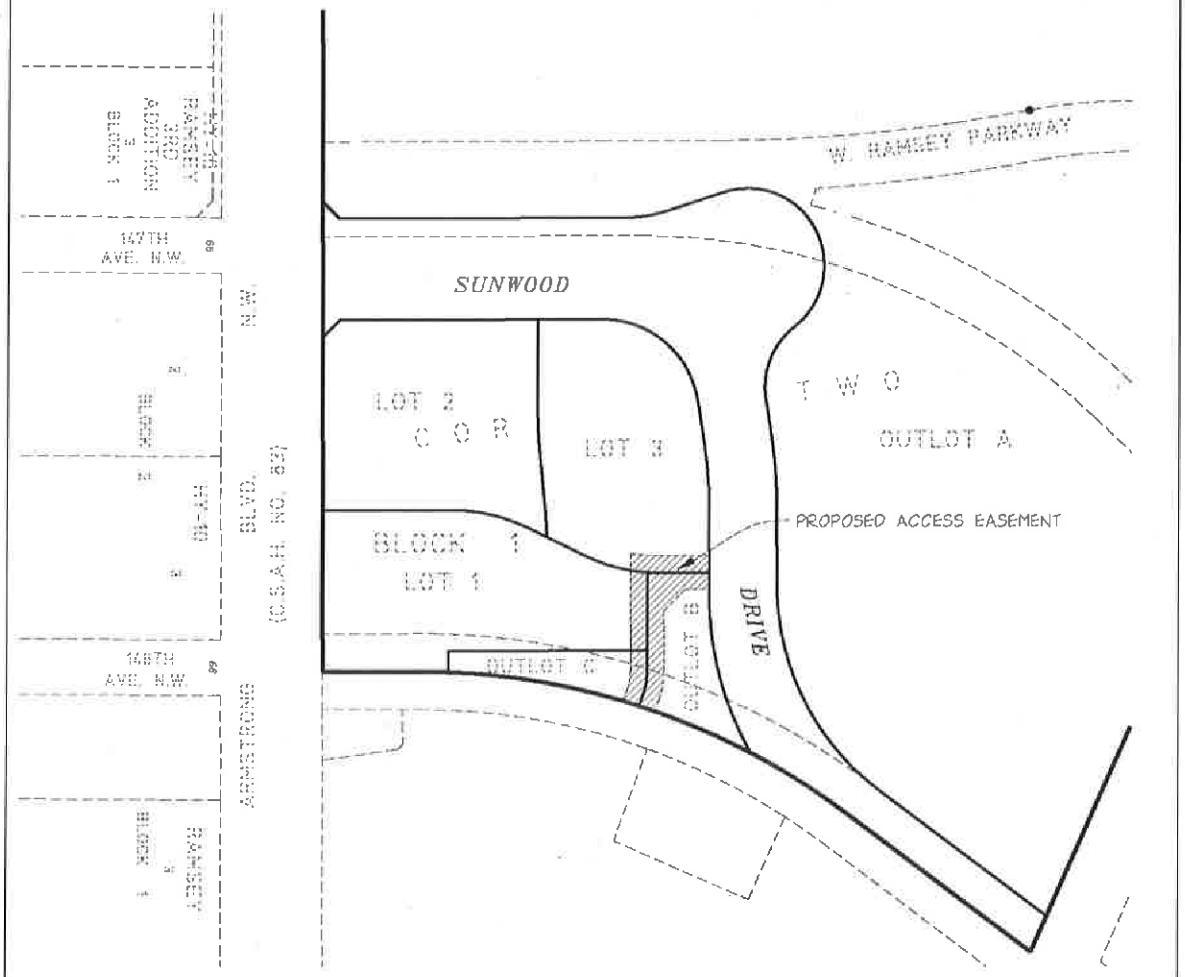
LANDFORM
From Site to Finish

105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. RAM12020 Drawing: ease-Access E. By: SCT

DESCRIPTION SKETCH

FOR: COR TWO ACCESS EASEMENT



= PROPOSED ACCESS EASEMENT

NORTH

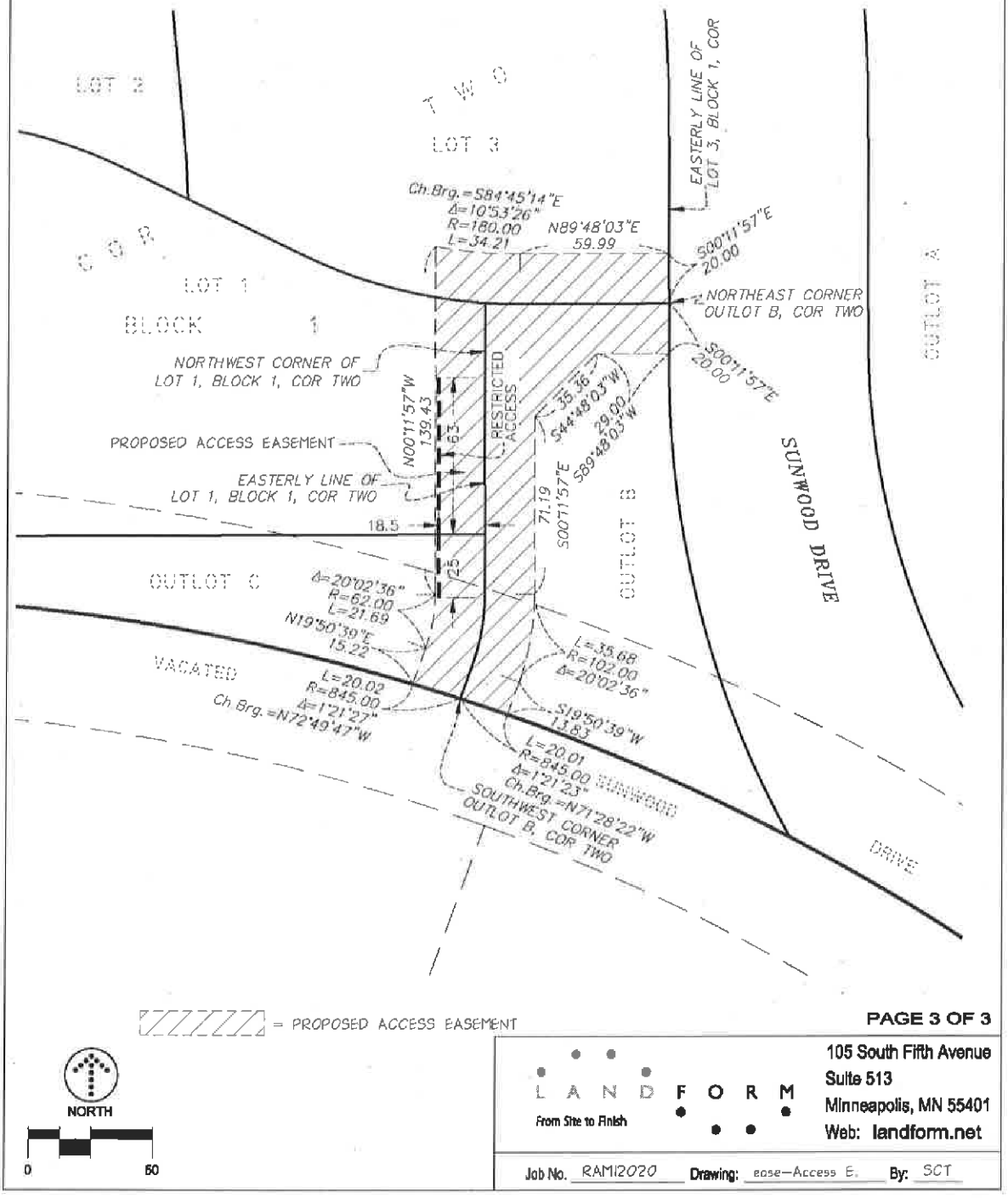
0 200

L A N D F O R M
From Site to Finish
105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. RAM12020 Drawing: eose-Access E. By: SCT

DESCRIPTION SKETCH

FOR: COR TWO ACCESS EASEMENT



= PROPOSED ACCESS EASEMENT

PAGE 3 OF 3

NORTH

0 50

LANDFORM
From Site to Finish

105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. RAM12020 Drawing: ease-Access E. By: SCT

EXHIBIT C

Legal Description of the Storm Sewer Easement Property

DESCRIPTION SKETCH

FOR: COR TWO PRIVATE UTILITY EASEMENT

LEGAL DESCRIPTION

A PRIVATE UTILITY EASEMENT OVER, UNDER AND ACROSS THAT PART OF LOTS 1 AND 2, BLOCK 1, COR TWO, ANOKA COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID LOT 1; THENCE NORTH 00 DEGREES 11 MINUTES 57 SECONDS WEST, ASSUMED BEARING ALONG THE WEST LINE OF SAID LOT 2, A DISTANCE OF 10.00 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 03 SECONDS EAST, PARALLEL WITH THE SOUTH LINE OF SAID LOT 2, A DISTANCE OF 181.38 FEET; THENCE SOUTH 57 DEGREES 53 MINUTES 33 SECONDS EAST, A DISTANCE OF 63.82 FEET; THENCE NORTH 00 DEGREES 05 MINUTES 56 SECONDS WEST, A DISTANCE OF 112.94 FEET; THENCE NORTH 89 DEGREES 54 MINUTES 04 SECONDS EAST, A DISTANCE OF 21.03 FEET TO THE WEST LINE OF LOT 3, BLOCK 1, COR TWO; THENCE SOUTHERLY 15.54 FEET ALONG SAID WEST LINE AND A NON-TANGENTIAL CURVE, CONCAVE TO THE EAST, HAVING A RADIUS OF 500.00 FEET, A CENTRAL ANGLE OF 01 DEGREES 46 MINUTES 49 SECONDS AND A CHORD THAT BEARS SOUTH 04 DEGREES 48 MINUTES 15 SECONDS EAST; THENCE SOUTH 05 DEGREES 41 MINUTES 40 SECONDS EAST, ALONG SAID WEST LINE, A DISTANCE OF 75.58 FEET; THENCE SOUTHERLY 30.48 FEET ALONG SAID WEST LINE AND ALONG A TANGENTIAL CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 500.00 FEET AND A CENTRAL ANGLE OF 3 DEGREES 29 MINUTES 35 SECONDS TO THE SOUTHWEST CORNER OF SAID LOT 3; THENCE SOUTH 02 DEGREES 12 MINUTES 05 SECONDS EAST, TANGENT TO LAST DESCRIBED CURVE, A DISTANCE OF 19.94 FEET; THENCE SOUTH 42 DEGREES 06 MINUTES 51 SECONDS EAST, A DISTANCE OF 53.50 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 03 SECONDS EAST, PARALLEL WITH THE SOUTH LINE OF SAID LOT 1, A DISTANCE OF 51.06 FEET; THENCE SOUTH 00 DEGREES 11 MINUTES 57 SECONDS EAST, PARALLEL WITH SAID WEST LINE, A DISTANCE OF 60.00 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 03 SECONDS EAST, PARALLEL WITH SAID SOUTH LINE, A DISTANCE OF 10.00 FEET; THENCE SOUTH 00 DEGREES 11 MINUTES 57 SECONDS EAST, PARALLEL WITH SAID WEST LINE, A DISTANCE OF 15.00 FEET TO SAID SOUTH LINE OF LOT 1, THENCE SOUTH 89 DEGREES 48 MINUTES 03 SECONDS WEST, ALONG SAID SOUTH LINE, A DISTANCE OF 80.00 FEET; THENCE NORTH 00 DEGREES 11 MINUTES 57 SECONDS, PARALLEL WITH SAID WEST LINE, A DISTANCE OF 66.16 FEET; THENCE NORTH 42 DEGREES 06 MINUTES 51 SECONDS WEST, A DISTANCE OF 68.47 FEET; THENCE NORTH 57 DEGREES 53 MINUTES 33 SECONDS WEST, A DISTANCE OF 74.76 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 03 SECONDS WEST, PARALLEL WITH THE NORTH LINE OF SAID LOT 1, A DISTANCE OF 175.59 FEET TO THE WEST LINE OF SAID LOT 1; THENCE NORTH 00 DEGREES 11 MINUTES 57 SECONDS WEST, ALONG SAID WEST LINE, A DISTANCE OF 10.00 FEET TO THE POINT OF BEGINNING.

PAGE 1 OF 3

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly licensed Land Surveyor under the laws of the State of Minnesota.

SCOTT C. TROSEN
License. No. 47465
Date: 08.03.12
Revised: 03.25.13

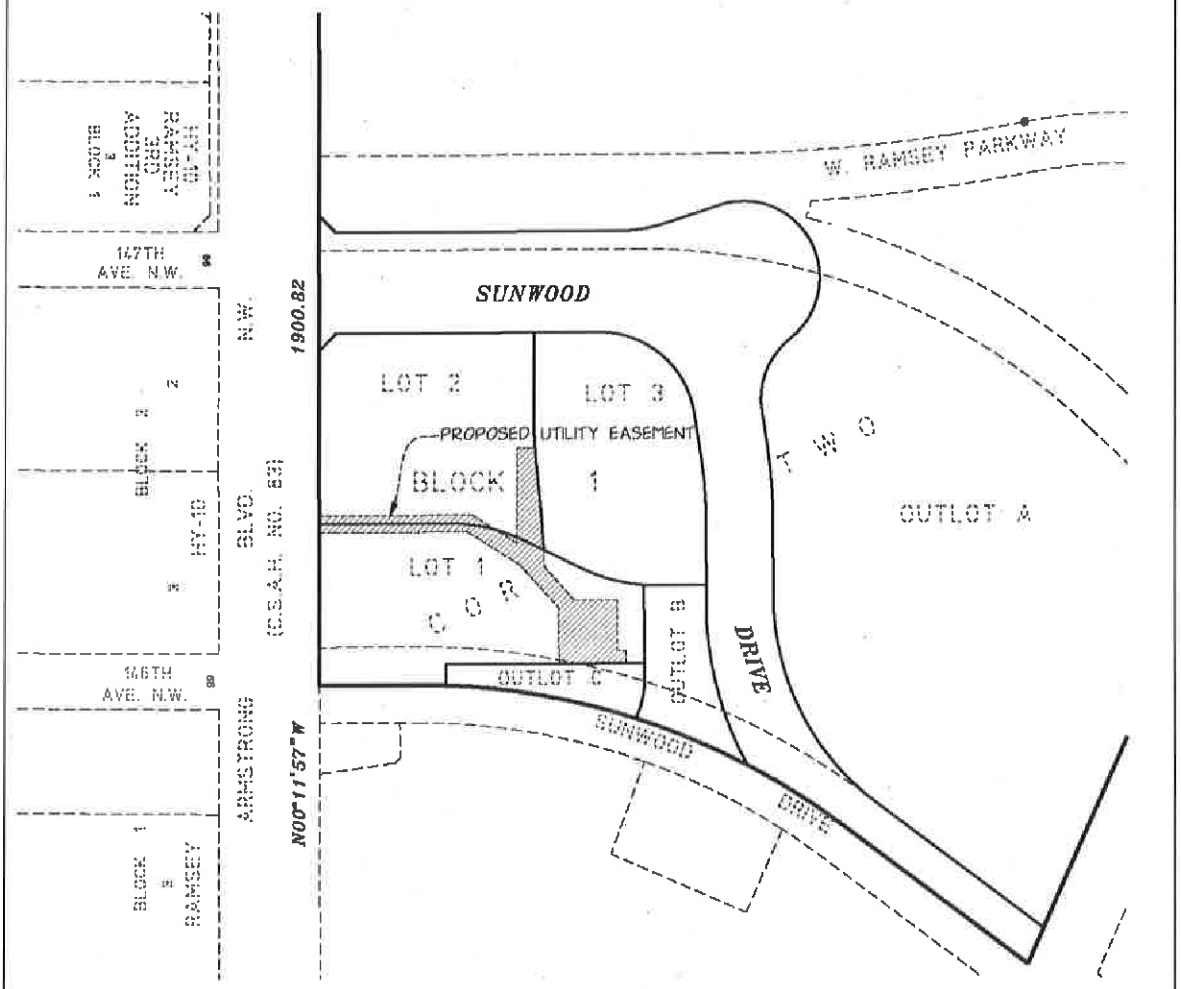
LANDFORM
From Site to Finish

105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. RAM12020 Drawing: 8038-Priv. Utl. By: SCT

DESCRIPTION SKETCH

FOR: COR TWO PRIVATE UTILITY EASEMENT



= PROPOSED UTILITY EASEMENT

PAGE 2 OF 3

NORTH

0 200

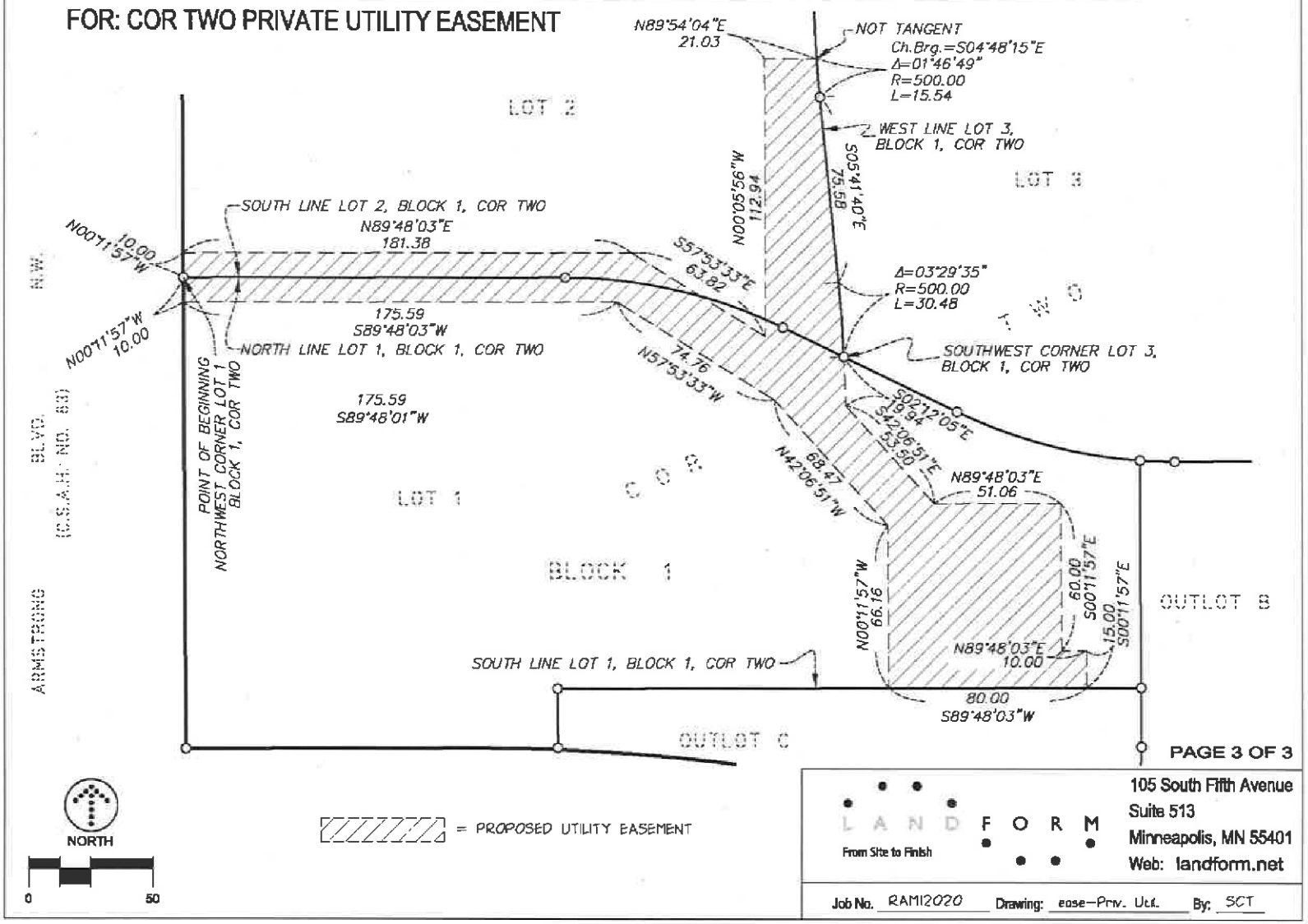
LANDFORM
From Site to Finish

105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. RAM12020 Drawing: eosa-Priv. Util. By: SCT

DESCRIPTION SKETCH

FOR: COR TWO PRIVATE UTILITY EASEMENT



PAGE 3 OF 3

LANDFORM
From Site to Finish
105 South Fifth Avenue
Suite 513
Minneapolis, MN 55401
Web: landform.net

Job No. RAM12020 Drawing: ease-Priv. Util. By: SCT

C-3

4873445v17

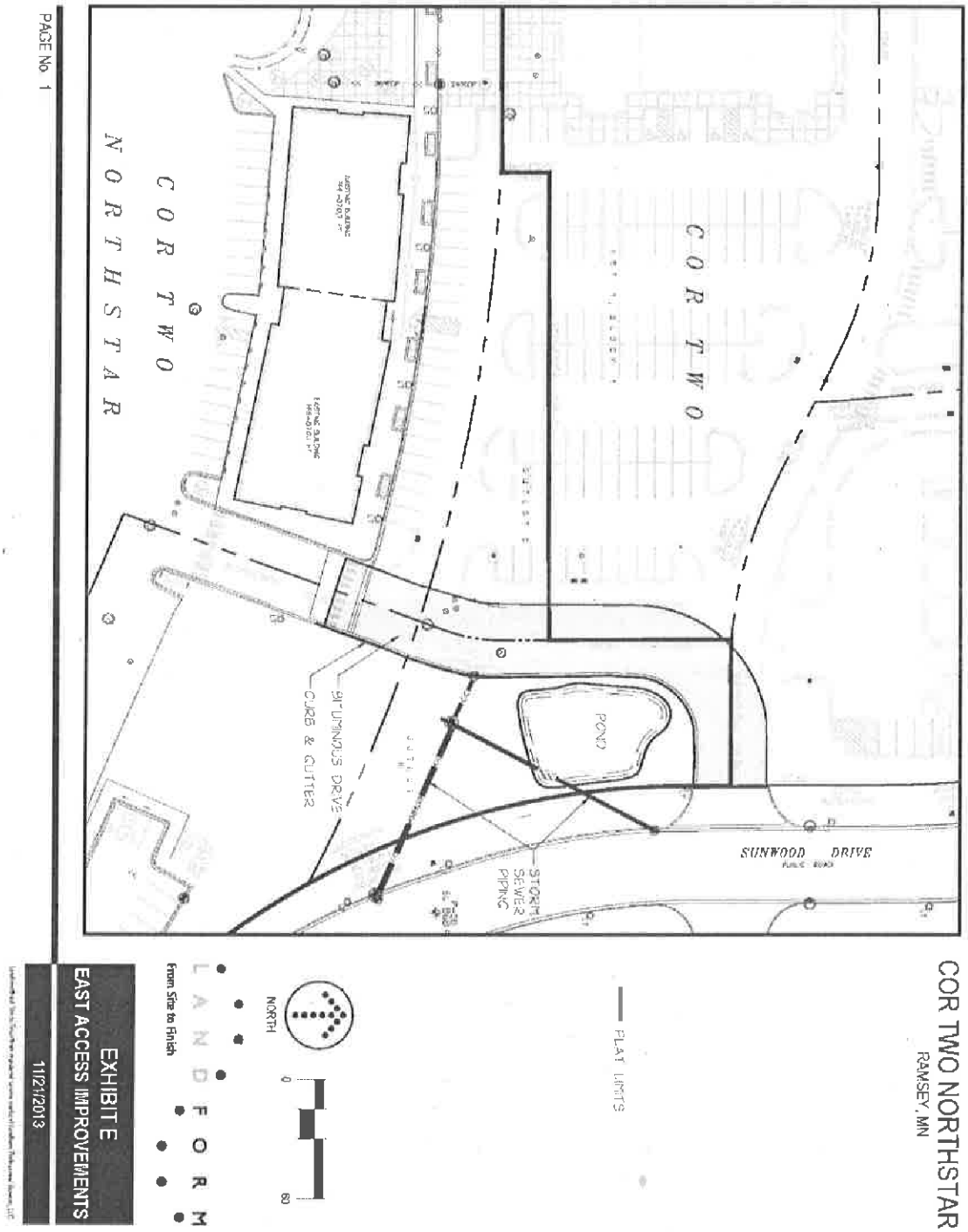
EXHIBIT D

Legal Description of the Restricted Property

Outlot B, COR TWO, Anoka County, Minnesota.

EXHIBIT E

Depiction of East Access Improvements



ANOKA COUNTY MINNESOTA

Document No.: 521084.003 TORRENS

I hereby certify that the within instrument was filed in this office for record on: 12/27/2013 12:47:00 PM

Fees/Taxes In the Amount of $166.00

JONELL M. SAWYER

Anoka County Property Tax Administrator/Recorder/Registrar of Titles

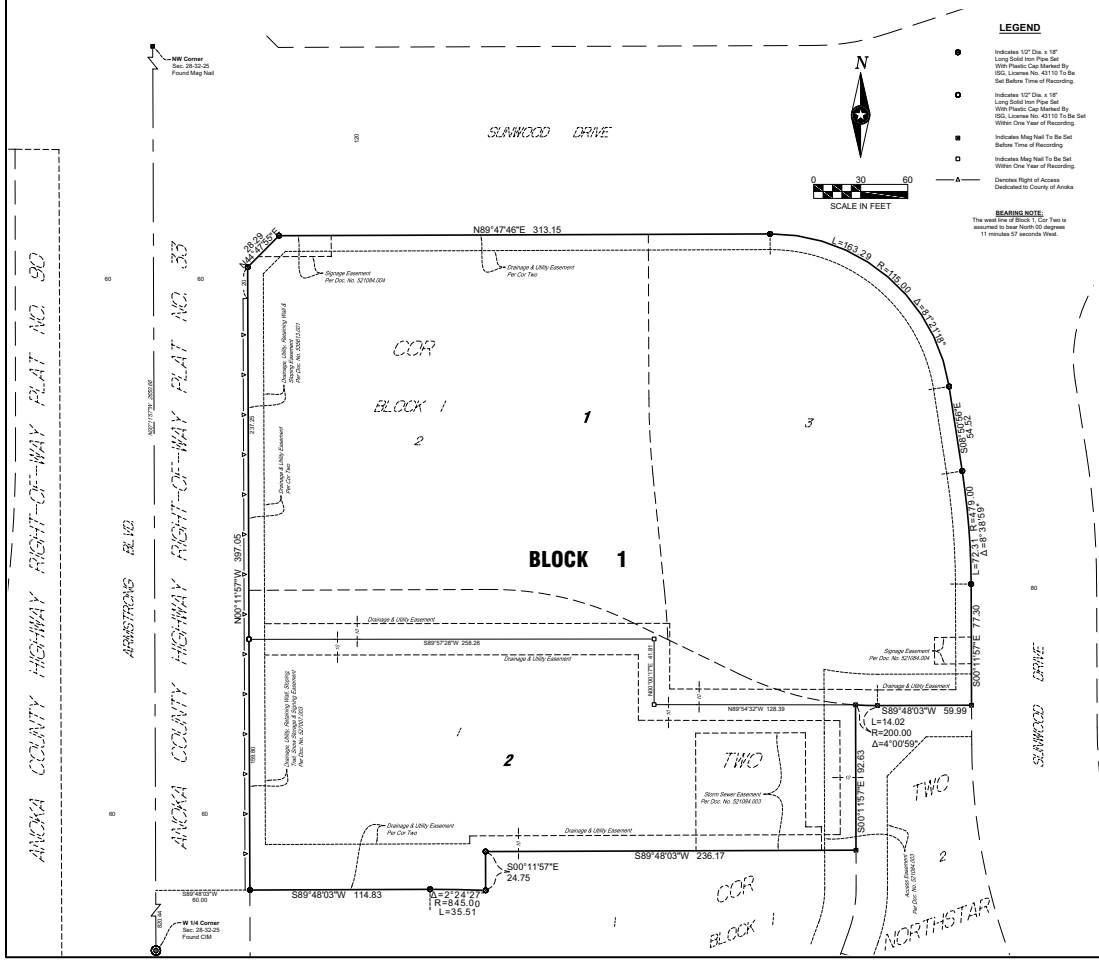
GKE, Deputy

Record ID: 2663196

FINAL PLAT FOR REVIEW

COR FOUR

City of Ramsey
County of Anoka
Sec. 28, Twp. 32, Rng. 25



LEGEND

- Indicates 1/2" Dia. x 18" Long Solid Iron Pipe Set With Plastic Cap Marked By ISG, License No. 43110 To Be Set Before Time of Recording.
- Indicates 1/2" Dia. x 18" Long Solid Iron Pipe Set With Plastic Cap Marked By ISG, License No. 43110 To Be Set Within One Year of Recording.
- Indicates Mag Nail To Be Set Before Time of Recording
- Indicates Mag Nail To Be Set Within One Year of Recording.
- Denotes Right of Access Dedicated to County of Anoka

BEARING NOTE:
The west line of Block 1, Cor Two is assumed to bear North 00 degrees 11 minutes 57 seconds West.

INSTRUMENT OF DEDICATION

KNOW ALL PERSONS BY THESE PRESENTS: That the City of Ramsey, a municipal corporation under the laws of Minnesota, owner of the following described property:

Lots 1, 2, and 3, Block 1, Cor Two, Anoka County, Minnesota.

Has caused the same to be surveyed and platted as **COR FOUR** and does hereby dedicate to the public, for public use, the drainage and utility easements as created by this plat.

In witness whereof said City of Ramsey, a municipal corporation under the laws of Minnesota, has caused these presents to be signed by its proper officer this _____ day of _____, 20_____.

Signed: City of Ramsey

By: _____ Mayor By: _____ Clerk

State of _____
County of _____

This instrument was acknowledged before me on _____, 20_____ by _____, as Mayor and _____, as Clerk, of City of Ramsey, a municipal corporation, on behalf of the corporation.

_____(sign)
_____(print)
Notary Public _____
My Commission Expires _____

SURVEYOR'S CERTIFICATE

I, Daniel L. Stueber, do hereby certify that this plat was prepared by me or under my direct supervision; that I am a duly Licensed Land Surveyor in the State of Minnesota; that this plat is a correct representation of the boundary survey; that all mathematical data and labels are correctly designated on this plat; that all monuments depicted on this plat have been or, will be correctly set within one year; that all water boundaries and wet lands, as defined in Minnesota Statutes, Section 505.01, Subd. 3, as of the date of this certificate are shown and labeled on this plat; and all public ways are shown and labeled on this plat.

Dated this _____ day of _____, 20_____.

_____
Daniel L. Stueber, Licensed Land Surveyor
Minnesota License No. 43110

State of Minnesota
County of Blue Earth

This instrument was acknowledged before me on _____, 20_____ by Daniel L. Stueber, Licensed Land Surveyor.

_____
Kent A. Haya
Notary Public, Minnesota
My Commission Expires Jan. 31, 2025

CITY COUNCIL, CITY OF RAMSEY, MINNESOTA

This plat of **COR FOUR**, was approved and accepted by the City Council of the City of Ramsey, Minnesota at a regular meeting thereof held this _____ day of _____, 20_____, and said plat is in compliance with the provisions of Minnesota Statutes, Section 505.03, Subd. 2.

City Council, City of Ramsey, Minnesota

By: _____ Mayor By: _____ Clerk

COUNTY SURVEYOR

I hereby certify that in accordance with Minnesota Statutes, Section 505.021 Subd. 11, this plat has been reviewed and approved this _____ day of _____, 20_____.

_____
David Ziegler, Anoka County Surveyor

COUNTY AUDITOR/TREASURER

Pursuant to Minnesota Statutes, Chapter 505.021, Subd. 9, taxes payable for the year 20_____ on the land hereinbefore described have been paid. Also pursuant to Minnesota Statutes, Section 272.12, there are no delinquent taxes and transfer entered this _____ day of _____, 20_____.

_____ By: _____, Deputy
Property Tax Administrator

COUNTY RECORDER/REGISTER OF TITLES
County of Anoka, State of Minnesota

I hereby certify that this plat of **COR FOUR** was filed in the office of the County Recorder/Registrar of Titles for public record on this _____ day of _____, 20_____, at _____ o'clock _____M. and was duly recorded as Document No. _____.

_____ By: _____, Deputy
County Recorder/Registrar of Titles

ISG

JOB 21.09 DATE: 5/11/23

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Adopt Resolution #23-213 Approving Final Payment to Douglas-Kerr Underground, L.L.C. for Improvement Project #22-05, 2022 Riverdale Drive Trunk Utility Improvements, Llama Street to Bowers Drive

Purpose/Background:

Resolution and Pay Request attached.

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends final payment to Douglas-Kerr Underground, LLC of Mora, Minnesota, for Improvement Project #22-05, Riverdale Drive Trunk Utility Improvements, Llama Street to Bowers Drive, in the amount of $40,134.44.

Outcome/Action:

Motion to adopt Resolution #23-213 approving final payment to Douglas-Kerr Underground, L.L.C. for Improvement Project #22-05, 2022 Riverdale Drive Trunk Utility Improvements, Llama Street to Bowers Drive in the amount of $40,134.44.

Attachments

Pay Resolution #23-213

Pay Request

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 09:18 AM
Bruce Westby	Bruce Westby	09/21/2023 10:39 AM
Bruce Westby	Bruce Westby	09/21/2023 12:13 PM
Brian Hagen	Brian Hagen	09/21/2023 12:49 PM
Form Started By: Stacie Damjanovich		Started On: 09/07/2023 11:20 AM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-213

RESOLUTION AUTHORIZING FINAL PAYMENT TO DOUGLAS-KERR UNDERGROUND, LLC, FOR IMPROVEMENT PROJECT #22-05, RIVERDALE DRIVE TRUNK UTILITY IMPROVEMENTS, LLAMA STREET TO BOWERS DRIVE

WHEREAS, pursuant to Ramsey City Council Resolution #21-305 adopted October 26, 2021, the City Council accepted the design services proposal of Bolton & Menk, Inc. for providing engineering services required to develop final plans and specifications for the purpose of soliciting bids for the construction of Improvement Project #22-05; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-040 the City Council approved the plans and specifications prepared by Bolton & Menk, Inc. for the making of such improvements, and authorized the advertisement of bids for the same improvements as City Improvement Project #22-05; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-072 the City Council authorized entering into a construction contract with Douglas-Kerr Underground, LLC., for the making of such improvements at the contract price of $2,163,890.22; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-087 the City Council authorized Change Order No. 1, reducing the contract price to $2,124,737.72; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-199 Douglas Kerr Underground removed the septic tank on May 3, 2022, in accordance with Change Order #2; and

WHEREAS, as of September 26, 2023 $2,073,716.90 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends final payment to Douglas-Kerr Underground, LLC of Mora, Minnesota, for Improvement Project #22-05, Riverdale Drive Trunk Utility Improvements, Llama Street to Bowers Drive, in the amount of $40,134.44.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the City Council hereby authorizes final payment to Douglas-Kerr Underground, LLC of Mora, Minnesota for Improvement Project #22-05, Riverdale Drive Trunk Utility Improvements, Llama Street to Bowers Drive, in the amount of $40,134.44.

2) The City Council authorizes the Mayor and City Administrator to sign the release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills for the date of September 26, 2023.

4) That the City of Ramsey Finance Department will be given a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Contractor's Application for Payment

Owner:	City of Ramsey	**Owner's Project No.:**	22-05
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0R1.127005
Contractor:	Douglas-Kerr Underground, L.L.C	**Agency's Project No.:**	S.A.P. 199-115-004
Project:	2022 Riverdale Drive Trunk Utility Improvements		
Contract:			
Application No.:	8-FINAL	**Application Date:**	8/23/2023
Application Period:	From 12/1/2022	to	8/23/2023

1. Original Contract Price	$	2,163,890.22
2. Net change by Change Orders	$	(29,352.50)
3. Current Contract Price (Line 1 + Line 2)	$	2,134,537.72
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	$	2,113,851.34
5. Retainage		
a. _____ X $ 2,113,851.34 Work Completed	$	-
b. _____ X $ - Stored Materials	$	-
c. Total Retainage (Line 5.a + Line 5.b)	$	-
6. Amount eligible to date (Line 4 - Line 5.c)	$	2,113,851.34
7. Less previous payments	$	2,073,716.90
8. Amount due this application	$	40,134.44
9. Balance to finish, including retainage (Line 3 - Line 4)	$	-

Replace the Contractor's Certification on the Final Payment with the following.

The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective; and
(4) The provisions of M. S. 290.92 have been complied with and that all claims against me by reason of the Contract have been paid or satisfactorily secured.

Contractor: Douglas-Kerr Underground, LLC

Signature: _____ **Date:** 8-31-23

Name: Dennis D. Douglas **Title:** Manager

Recommended by Engineer		**Approved by Owner**	
By:	Kevin P Kielb	**By:**	Bruce Westby
Name:	Kevin P. Kielb	**Name:**	Bruce Westby
Title:	Project Engineer	**Title:**	City Engineer/Public Works Dir.
Date:	8/23/2023	**Date:**	9/5/2023

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Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey	Owner's Project No.:	22-05
Engineer:	Bolton & Menk, Inc.	Engineer's Project No.:	0R1.127005
Contractor:	Douglas-Kerr Underground, L.L.C	Contractor's Project No.:	
Project:	2022 Riverdale Drive Trunk Utility Improvements	Agency's Project No.:	S.A.P. 199-115-004
Contract:			

Application No.: 8-FINAL Application Period: From 12/01/22 to 08/23/23 Application Date: 08/23/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
	Original Contract												
1	MOBILIZATION	1.00	LUMP SUM	22,635.00	22,635.00	1.00	22,635.00	1.00	22,635.00		22,635.00	100%	-
2	CLEARING	35.00	EACH	300.00	10,500.00	35.00	10,500.00	35.00	10,500.00		10,500.00	100%	-
3	GRUBBING	35.00	EACH	87.50	3,062.50	35.00	3,062.50	35.00	3,062.50		3,062.50	100%	-
4	ABANDON & SEAL WELL	1.00	EACH	2,000.00	2,000.00	1.00	2,000.00	1.00	2,000.00		2,000.00	100%	-
5	REMOVE MISCELLANEOUS STRUCTURE (LANDSCAPING)	1.00	EACH	271.50	271.50	1.00	271.50	1.00	271.50		271.50	100%	-
6	REMOVE FENCE	220.00	LIN FT	3.90	858.00	220.00	858.00	220.00	858.00		858.00	100%	-
7	REMOVE CURB AND GUTTER	100.00	LIN FT	5.65	565.00	100.00	565.00	100.00	565.00		565.00	100%	-
8	REMOVE BITUMINOUS PAVEMENT	1,670.00	SQ YD	2.00	3,340.00	1,670.00	3,340.00	1,670.00	3,340.00		3,340.00	100%	-
9	REMOVE CONCRETE PAVEMENT	90.00	SQ YD	4.00	360.00	90.00	360.00	90.00	360.00		360.00	100%	-
10	DEWATERING (UTILITY TRENCHES)	1.00	LUMP SUM	0.01	0.01	-	-	-	-		-		0.01
11	GRANULAR BORROW (CV)	1,000.00	CU YD	5.10	5,100.00	-	-	-	-		-		5,100.00
12	EXCAVATION - COMMON (P) (EV)	18,190.00	CU YD	2.80	50,932.00	18,190.00	50,932.00	18,190.00	50,932.00		50,932.00	100%	-
13	EXCAVATION - CHANNEL AND POND	7,760.00	CU YD	2.15	16,684.00	7,760.00	16,684.00	7,760.00	16,684.00		16,684.00	100%	-
14	COMMON EMBANKMENT (P) (CV)	9,150.00	CU YD	1.75	16,012.50	9,150.00	16,012.50	9,150.00	16,012.50		16,012.50	100%	-
15	EXCAVATION - SUBGRADE (EV)	2,500.00	CU YD	2.45	6,125.00	3,928.00	9,623.60	3,928.00	9,623.60		9,623.60	157%	(3,498.60)
16	STREET SWEEPER (WITH PICKUP BROOM)	12.00	HOUR	150.00	1,800.00	-	-	-	-		-		1,800.00
17	15" RC PIPE APRON	1.00	EACH	1,026.00	1,026.00	1.00	1,026.00	1.00	1,026.00		1,026.00	100%	-
18	18" RC PIPE APRON	2.00	EACH	1,094.00	2,188.00	2.00	2,188.00	2.00	2,188.00		2,188.00	100%	-
19	24" RC PIPE APRON	1.00	EACH	1,289.00	1,289.00	1.00	1,289.00	1.00	1,289.00		1,289.00	100%	-
20	TRASH GUARD FOR 15" PIPE APRON	1.00	EACH	736.70	736.70	1.00	736.70	1.00	736.70		736.70	100%	-
21	TRASH GUARD FOR 18" PIPE APRON	2.00	EACH	796.00	1,592.00	2.00	1,592.00	2.00	1,592.00		1,592.00	100%	-
22	TRASH GUARD FOR 24" PIPE APRON	1.00	EACH	1,592.00	1,592.00	1.00	1,592.00	1.00	1,592.00		1,592.00	100%	-
23	8" PVC PIPE SEWER SDR 26	3,360.00	LIN FT	47.20	158,592.00	3,459.00	163,264.80	3,459.00	163,264.80		163,264.80	103%	(4,672.80)
24	10" PVC PIPE SEWER SDR 26	50.00	LIN FT	78.10	3,905.00	-	-	-	-		-		3,905.00
25	15" PVC PIPE SEWER SDR 26	890.00	LIN FT	82.10	73,069.00	889.00	72,986.90	889.00	72,986.90		72,986.90	100%	82.10
26	15" RC PIPE SEWER DESIGN 3006 CLASS V	985.00	LIN FT	55.80	54,963.00	986.00	55,018.80	986.00	55,018.80		55,018.80	100%	(55.80)
27	18" RC PIPE SEWER DESIGN 3006 CLASS V	2,600.00	LIN FT	54.40	141,440.00	2,604.00	141,657.60	2,604.00	141,657.60		141,657.60	100%	(217.60)
28	24" RC PIPE SEWER DESIGN 3006 CLASS III	2,040.00	LIN FT	66.10	134,844.00	2,033.00	134,381.30	2,033.00	134,381.30		134,381.30	100%	462.70
29	8" PIPE PLUG	10.00	EACH	368.00	3,680.00	11.00	4,048.00	11.00	4,048.00		4,048.00	110%	(368.00)
30	CONNECT TO EXISTING SANITARY MANHOLE (CORE & BOOT)	1.00	EACH	2,182.00	2,182.00	1.00	2,182.00	1.00	2,182.00		2,182.00	100%	-
31	CONNECT TO EXISTING SANITARY SEWER	2.00	EACH	0.01	0.02	-	-	-	-		-		0.02
32	CONNECT TO EXISTING STORM SEWER	2.00	EACH	2,270.00	4,540.00	2.00	4,540.00	2.00	4,540.00		4,540.00	100%	-
33	12" FORCEMAIN HDPE PIPE SEWER DR 11	820.00	LIN FT	61.05	50,061.00	800.00	48,840.00	800.00	48,840.00		48,840.00	98%	1,221.00
34	SANITARY MANHOLE COATING	11.00	LIN FT	227.30	2,500.30	11.00	2,500.30	11.00	2,500.30		2,500.30	100%	-
35	CLEAN & TELEVISE PIPE SEWER	3,860.00	LIN FT	1.30	5,018.00	-	-	4,333.00	5,632.90		5,632.90	112%	(614.90)
36	4" INSULATION	80.00	SQ YD	35.35	2,828.00	21.60	763.56	21.60	763.56		763.56	27%	2,064.44
37	CONNECT TO EXISTING WATER MAIN	2.00	EACH	1,222.00	2,444.00	1.00	1,222.00	1.00	1,222.00		1,222.00	50%	1,222.00
38	6" GATE VALVE & BOX	9.00	EACH	1,866.00	16,794.00	9.00	16,794.00	9.00	16,794.00		16,794.00	100%	-
39	8" GATE VALVE & BOX	13.00	EACH	2,602.00	33,826.00	13.00	33,826.00	13.00	33,826.00		33,826.00	100%	-
40	12" GATE VALVE & BOX	9.00	EACH	4,374.00	39,366.00	10.00	43,740.00	10.00	43,740.00		43,740.00	111%	(4,374.00)
41	HYDRANT (8.5' BURY)	10.00	EACH	5,434.00	54,340.00	10.00	54,340.00	10.00	54,340.00		54,340.00	100%	-
42	6" WATERMAIN DUCTILE IRON CL 53	80.00	LIN FT	48.65	3,892.00	67.00	3,259.55	67.00	3,259.55		3,259.55	84%	632.45
43	8" WATERMAIN DUCTILE IRON CL 52 ***	900.00	LIN FT	59.25	53,325.00	-	-	-	-		-		53,325.00
44	12" WATERMAIN DUCTILE IRON CL 52 ***	3,950.00	LIN FT	81.45	321,727.50	-	-	-	-		-		321,727.50
45	WATERMAIN FITTINGS	4,260.00	POUND	9.80	41,748.00	4,263.00	41,777.40	4,263.00	41,777.40		41,777.40	100%	(29.40)
46	CASTING ASSEMBLY (STORM)	3.00	EACH	1,340.00	4,020.00	3.00	4,020.00	3.00	4,020.00		4,020.00	100%	-
47	CONSTRUCT SANITARY SEWER MANHOLE	232.00	LIN FT	364.50	84,564.00	230.44	83,995.38	230.44	83,995.38		83,995.38	99%	568.62
48	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	7.00	LIN FT	995.90	6,971.30	6.15	6,124.79	6.15	6,124.79		6,124.79	88%	846.51
49	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	43.00	LIN FT	829.50	35,668.50	42.74	35,452.83	42.74	35,452.83		35,452.83	99%	215.67
50	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	88.00	LIN FT	533.10	46,912.80	87.19	46,480.99	87.19	46,480.99		46,480.99	99%	431.81
51	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	9.00	LIN FT	398.50	3,586.50	8.65	3,447.03	8.65	3,447.03		3,447.03	96%	139.47

EJCDC C-620 Contractor's Application for Payment
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Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey	Owner's Project No.:	22-05
Engineer:	Bolton & Menk, Inc.	Engineer's Project No.:	0R1.127005
Contractor:	Douglas Kerr Underground, L.L.C	Contractor's Project No.:	
Project:	2022 Riverdale Drive Trunk Utility Improvements	Agency's Project No.:	S.A.P. 199-115-004
Contract:			

Application No.: 8 FINAL Application Period: From 12/01/22 to 08/23/23 Application Date: 08/23/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
52	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPEC 1	44.00	LIN FT	430.10	18,924.40	43.73	18,808.27	43.73	18,808.27		18,808.27	99%	116.13
53	CONSTRUCT 8" INSIDE DROP	4.00	LIN FT	373.00	1,492.00	4.00	1,492.00	4.00	1,492.00		1,492.00	100%	-
54	RANDOM RIPRAP CL III	20.00	CU YD	137.70	2,754.00	20.00	2,754.00	20.00	2,754.00		2,754.00	100%	-
55	8" CONCRETE DRIVEWAY PAVEMENT	55.00	SQ YD	124.00	6,820.00	-	-	-	-		-		6,820.00
56	STEEL PLATE	50.00	EACH	125.00	6,250.00	50.00	6,250.00	50.00	6,250.00		6,250.00	100%	-
57	TRAFFIC CONTROL	1.00	LUMP SUM	1,450.00	1,450.00	1.00	1,450.00	1.00	1,450.00		1,450.00	100%	-
58	STABILIZED CONSTRUCTION EXIT	1.00	LUMP SUM	3,058.00	3,058.00	-	-	-	-		-		3,058.00
59	STORM DRAIN INLET PROTECTION	34.00	EACH	188.10	6,395.40	-	-	34.00	6,395.40		6,395.40	100%	-
60	SILT FENCE, TYPE MS	3,100.00	LIN FT	2.00	6,200.00	2,488.00	4,976.00	2,488.00	4,976.00		4,976.00	80%	1,224.00
61	SEDIMENT CONTROL LOG TYPE WOOD FIBER	1,400.00	LIN FT	3.00	4,200.00	1,328.00	3,984.00	1,328.00	3,984.00		3,984.00	95%	216.00
62	FERTILIZER TYPE 3	1,425.00	POUND	0.70	997.50	-	-	200.00	140.00		140.00	14%	857.50
63	ROLLED EROSION PREVENTION CAT. 20	4,840.00	SQ YD	1.25	6,050.00	1,100.00	1,375.00	1,100.00	1,375.00		1,375.00	23%	4,675.00
64	SEEDING	5.30	ACRE	300.00	1,590.00	3.80	1,140.00	3.80	1,140.00		1,140.00	72%	450.00
65	RAPID STABILIZATION METHOD 2	1.00	ACRE	1,000.00	1,000.00	-	-	-	-		-		1,000.00
66	SEEDING MIXTURE 25-121	425.00	POUND	5.45	2,316.25	342.00	1,863.90	552.00	3,008.40		3,008.40	130%	(692.15)
67	SEEDING MIXTURE 35-241	55.00	POUND	15.10	830.50	80.00	1,208.00	80.00	1,208.00		1,208.00	145%	(377.50)
68	HYDRAULIC BONDED FIBER MATRIX	15,875.00	POUND	1.25	19,843.75	15,294.00	19,117.50	19,994.00	24,992.50		24,992.50	126%	(5,148.75)
69	MOBILIZATION	1.00	LUMP SUM	0.01	0.01	1.00	0.01	1.00	0.01		0.01	100%	-
70	DEWATERING (LIFT STATION)	1.00	LUMP SUM	72,014.00	72,014.00	1.00	72,014.00	1.00	72,014.00		72,014.00	100%	-
71	GRANULAR BORROW (CV)	50.00	CU YD	15.80	790.00	-	-	-	-		-		790.00
72	EXCAVATION - COMMON (P) (EV)	450.00	CU YD	11.95	5,377.50	450.00	5,377.50	450.00	5,377.50		5,377.50	100%	-
73	COMMON EMBANKMENT (P) (CV)	270.00	CU YD	7.35	1,984.50	270.00	1,984.50	270.00	1,984.50		1,984.50	100%	-
74	EXCAVATION - SUBGRADE (EV)	50.00	CU YD	9.00	450.00	-	-	-	-		-		450.00
75	AGGREGATE BASE (CV) FROM STOCKPILE	115.00	CU YD	15.60	1,794.00	26.00	405.60	26.00	405.60		405.60	23%	1,388.40
76	TYPE SP 9.5 WEARING COURSE MIX (3,C)	125.00	TON	125.00	15,625.00	120.80	15,100.00	120.80	15,100.00		15,100.00	97%	525.00
77	10" PVC PIPE SEWER SDR 26	120.00	LIN FT	66.80	8,016.00	106.00	7,080.80	106.00	7,080.80		7,080.80	88%	935.20
78	CONNECT TO EXISTING SANITARY SEWER	2.00	EACH	0.01	0.02	2.00	0.02	2.00	0.02		0.02	100%	-
79	12" FORCEMAIN HDPE PIPE SEWER DR 11	75.00	LIN FT	64.90	4,867.50	61.00	3,958.90	61.00	3,958.90		3,958.90	81%	908.60
80	CONNECT TO EXISTING WATER MAIN	1.00	EACH	0.01	0.01	1.00	0.01	1.00	0.01		0.01	100%	-
81	6" GATE VALVE & BOX	1.00	EACH	2,000.00	2,000.00	1.00	2,000.00	1.00	2,000.00		2,000.00	100%	-
82	HYDRANT (8.5' BURY)	1.00	EACH	5,434.00	5,434.00	1.00	5,434.00	1.00	5,434.00		5,434.00	100%	-
83	6" WATERMAIN DUCTILE IRON CL 53	85.00	LIN FT	49.35	4,194.75	86.00	4,244.10	86.00	4,244.10		4,244.10	101%	(49.35)
84	WATERMAIN FITTINGS	200.00	POUND	0.01	2.00	-	-	-	-		-		2.00
85	CONSTRUCT TRIPLEX LIFT STATION	1.00	LUMP SUM	397,001.00	397,001.00	1.00	397,001.00	1.00	397,001.00		397,001.00	100%	-
86	8" CONCRETE DRIVEWAY PAVEMENT	112.00	SQ YD	120.00	13,440.00	100.00	12,000.00	100.00	12,000.00		12,000.00	89%	1,440.00
87	BOLLARD	4.00	EACH	500.00	2,000.00	8.00	4,000.00	8.00	4,000.00		4,000.00	200%	(2,000.00)
88	SEDIMENT CONTROL LOG TYPE WOOD FIBER	400.00	LIN FT	3.00	1,200.00	-	-	-	-		-		1,200.00
89	FERTILIZER TYPE 3	60.00	POUND	0.70	42.00	-	-	-	-		-		42.00
90	SEEDING	0.20	ACRE	1,500.00	300.00	0.20	300.00	0.20	300.00		300.00	100%	-
91	SEEDING MIXTURE 25-121	20.00	POUND	5.45	109.00	20.00	109.00	20.00	109.00		109.00	100%	-
92	HYDRAULIC BONDED FIBER MATRIX	800.00	POUND	2.00	1,600.00	800.00	1,600.00	800.00	1,600.00		1,600.00	100%	-
				Original Contract Totals	$ 2,163,890.22		$ 1,746,959.14		$ 1,766,146.94	$ -	$ 1,766,146.94	100%	

EJCDC C-620 Contractor's Application for Payment
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Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey	Owner's Project No.:	22-05
Engineer:	Bolton & Menk, Inc.	Engineer's Project No.:	0R1.127005
Contractor:	Douglas-Kerr Underground, L.L.C	Contractor's Project No.:	
Project:	2022 Riverdale Drive Trunk Utility Improvements	Agency's Project No.:	S.A.P. 199-115-004
Contract:			

Application No.: 8-FINAL Application Period: From 12/01/22 to 08/23/23 Application Date: 08/23/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
Change Orders													
CO1-1R	8" WATERMAIN DUCTILE IRON CL 52 ***	(900.00)	LIN FT	59.25	(53,325.00)	-	-	-	-		-		(53,325.00)
CO1-2R	12" WATERMAIN DUCTILE IRON CL 52 ***	(3,950.00)	LIN FT	81.45	(321,727.50)	-	-	-	-		-		(321,727.50)
CO1-1	8" PVC WATERMAIN	900.00	LIN FT	50.60	45,540.00	954.00	48,272.40	954.00	48,272.40		48,272.40	106%	(2,732.40)
CO1-2	12" PVC WATERMAIN	3,950.00	LIN FT	72.80	287,560.00	3,940.00	286,832.00	3,940.00	286,832.00		286,832.00	100%	728.00
CO2-1	REMOVE SEPTIC TANK	1.00	LUMP SUM	2,800.00	2,800.00	1.00	2,800.00	1.00	2,800.00		2,800.00	100%	-
CO3-1	BUILDING REMOVAL	1.00	LUMP SUM	9,800.00	9,800.00	1.00	9,800.00	1.00	9,800.00		9,800.00	100%	-
				Change Order Totals	$ (29,352.50)		$ 347,704.40		$ 347,704.40	$ -	$ 347,704.40	NA	
Original Contract and Change Orders													
				Project Totals	$ 2,134,537.72		$ 2,094,663.54		$ 2,113,851.34	$ -	$ 2,113,851.34	100%	$ -

*** CHANGE ORDER NO. 1: 8"-12" WATERMAIN DUCTILE IRON PIPE REMOVED FROM CONTRACT AND REPLACED WITH PVC C900

EJCDC C-620 Contractor's Application for Payment
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CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Adopt Resolution #23-216 Authorizing Final Payment to Reshetar Systems, Inc. for IP 23-17, COR Tree Clearing.

Purpose/Background:

Resolution and Pay Request with IC-134, Consent of Surety to Final Payment and Lien Waiver are attached.

Time Frame/Observations/Alternatives:

Construction costs over-ran by $23,925 due to additional silt fence and soil stabilization needs.

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends final payment to Reshetar Systems, Inc. for IP 23-17, COR Tree Clearing in the amount of $255,975.58.

Outcome/Action:

Motion to adopt Resolution #23-216, authorizing final payment to Reshetar Systems, Inc. for IP 23-17, COR Tree Clearing in the amount of $255,975.58.

Attachments

Pay Resolution #23-216

Pay Request

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 09:34 AM
Brian Hagen	Brian Hagen	09/21/2023 10:52 AM
Form Started By: Stacie Damjanovich		Started On: 09/11/2023 03:57 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-216

RESOLUTION AUTHORIZING FINAL PAYMENT TO RESHETAR SYSTEMS, INC. OF ANOKA, MINNESOTA FOR IMPROVEMENT PROJECT #23-17, COR TREE CLEARING

WHEREAS, the City of Ramsey proposes to construct infrastructure improvements within The COR; and

WHEREAS, pursuant to Ramsey City Council resolution #22-241, adopted October 25, 2022, the City Council authorized Bolton & Menk, Inc. to complete The COR Public Infrastructure and Wetland Analysis proposals; and

WHEREAS, pursuant to Ramsey City Council resolution #23-107, adopted May 9, 2023, the City Council authorized Bolton & Menk, Inc. to prepare The COR Public Infrastructure Design Services proposal and the advertisement of bids for The COR tree clearing improvements of said project; and

WHEREAS, Novco Inc. of Elk River, Minnesota, withdrew their bid in accordance with the approved plans and specifications; and

WHEREAS, pursuant to Ramsey City Council resolution #23-128 adopted June 13, 2023 the bid of Reshetar Systems, Inc. of Anoka, Minnesota, in the amount of $287,000.00 for the total bid for construction of the improvements in accordance with the approved plans and specifications and advertisement for bids, is the lowest responsible bidder; and

WHEREAS, as of September 26, 2023 $54,949.42 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends final payment to Reshetar Systems, Inc of Anoka, Minnesota for said project, in the amount of $255,975.58.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA:

1) That the City Council are hereby authorizes final payment to Reshetar Systems, Inc. of Anoka, Minnesota for said project, in the amount of $255,975.58.

2) That the City Council hereby accepts the project and authorizes the Mayor or City Administrator to sign the release for this payment.

3) That the total amount of this payment is not included in resolutions approving payment of bills for the date of September 26, 2023.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Contractor's Application for Payment

Owner:	City of Ramsey	**Owner's Project No.:**	23-17
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0R1.130893; 0R1.131247
Contractor:	Reshetar Systems, Inc.	**Agency's Project No.:**	
Project:	The COR Tree Clearing		
Contract:			

Application No.: 2-FINAL **Application Date:** 8/2/2023

Application Period: From 7/14/2023 to 8/1/2023

1. Original Contract Price	$ 287,000.00
2. Net change by Change Orders	$ -
3. Current Contract Price (Line 1 + Line 2)	$ 287,000.00
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	$ 310,925.00
5. Retainage	
a. _____ X $ 310,925.00 Work Completed	$ -
b. _____ X $ - Stored Materials	$ -
c. Total Retainage (Line 5.a + Line 5.b)	$ -
6. Amount eligible to date (Line 4 - Line 5.c)	$ 310,925.00
7. Less previous payments	$ 54,949.42
8. **Amount due this application**	**$ 255,975.58**
9. Balance to finish, including retainage (Line 3 - Line 4)	$ -

Replace the Contractor's Certification on the Final Payment with the following.

The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective; and
(4) The provisions of M. S. 290.92 have been complied with and that all claims against me by reason of the Contract have been paid or satisfactorily secured.

Contractor: Reshetar Systems

Signature: [signature] **Date:** 8/8/23

Name: Brett Reshetar **Title:** President

Recommended by Engineer		**Approved by Owner**	
By:	Kevin P Kielb	**By:**	Bruce Westby
Name:	Kevin Kielb	**Name:**	Bruce Westby
Title:	Principal Engineer	**Title:**	City Engineer/Public Work Director
Date:	8/3/2023	**Date:**	9/7/2023

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Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey
Engineer:	Bolton & Menk, Inc.
Contractor:	Reshetar Systems, Inc.
Project:	The COR Tree Clearing
Contract:	
Owner's Project No.:	23-17
Engineer's Project No.:	0R1.130893; 0R1.131247
Contractor's Project No.:	
Agency's Project No.:	

Application No.: 2-FINAL **Application Period:** From 07/14/23 to 08/01/23 **Application Date:** 08/02/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
					Original Contract								
1	MOBILIZATION	1.00	LUMP SUM	3,500.00	3,500.00	0.50	1,750.00	1.00	3,500.00		3,500.00	100%	-
2	CLEARING & GRUBBING	1.00	LUMP SUM	238,425.00	238,425.00	0.10	23,842.50	1.00	238,425.00		238,425.00	100%	-
3	TRAFFIC CONTROL	1.00	LUMP SUM	1,900.00	1,900.00	1.00	1,900.00	1.00	1,900.00		1,900.00	100%	-
4	STABILIZED CONSTRUCTION EXIT	1.00	LUMP SUM	24,700.00	24,700.00	0.67	16,549.00	1.00	24,700.00		24,700.00	100%	-
5	SILT FENCE; TYPE MS	6,500.00	LIN FT	1.15	7,475.00	12,000.00	13,800.00	12,000.00	13,800.00		13,800.00	185%	(6,325.00)
6	RAPID STABILIZATION METHOD 2	5.00	ACRE	2,200.00	11,000.00		-	13.00	28,600.00		28,600.00	260%	(17,600.00)
		-	-	-	-			-	-		-		-
				Original Contract Totals	$ 287,000.00		$ 57,841.50		$ 310,925.00	$ -	$ 310,925.00	108%	$ -

EJCDC C-620 Contractor's Application for Payment
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DEPARTMENT OF REVENUE

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	0-259-144-288
Submitted Date and Time:	8-Aug-2023 10:57:08 AM
Legal Name:	RESHETAR SYSTEM INC
Federal Employer ID:	41-2008924
User Who Submitted:	reshetar
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**1452429312**
Minnesota ID:	5567826
Project Owner:	CITY OF RAMSEY
Project Number:	23-17
Project Begin Date:	14-Jul-2023
Project End Date:	04-Aug-2023
Project Location:	THE COR TREE CLEARING
Project Amount:	$310,925.00

Important Messages

A copy of this page must be provided to the contractor or government agency that hired you.

Contact Us

If you need further assistance, contact our Withholding Tax Division at 651-282-9999, (toll-free) 800-657-3594, or (email) withholding.tax@state.mn.us. Business hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Central Time.

Please print this page for your records using the print or save functionality built into your browser.

CONSENT OF SURETY TO FINAL PAYMENT

AIA Document G707

(Instructions on reverse side)

Bond No. B-9127578

OWNER	☐
ARCHITECT	☐
CONTRACTOR	☐
SURETY	☐
OTHER	☐

TO OWNER:
(Name and address)

City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303-6140

ARCHITECT'S PROJECT NO.:

CONTRACT FOR:

CONTRACT DATED: June 14, 2023

PROJECT:
(Name and address)

COR Tree Clearing - Ramsey, MN

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the
(Insert name and address of Surety)

The Cincinnati Insurance Company
6200 S. Gilmore Rd
Fairfield, OH 45014

, SURETY,

on bond of
(Insert name and address of Contractor)

Reshetar Systems, Inc.
730 Bunker Lake Blvd. NW
Anoka, MN 55303

, CONTRACTOR,

hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve the Surety of any of its obligations to
(Insert name and address of Owner)

City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303-6140

, OWNER,

as set forth in said Surety's bond.

IN WITNESS WHEREOF, the Surety has hereunto set its hand on this date: August 08, 2023
(Insert in writing the month followed by the numeric date and year.)

The Cincinnati Insurance Company
(Surety)

(Signature of authorized representative)

Nicole M. Coty Attorney-in-fact
(Printed name and title)

Attest:
(Seal):

AIA CAUTION: You should sign an original AIA document that has this caution printed in red. An original assures that changes will not be obscured as may occur when documents are reproduced. See Instruction Sheet for Limited License for Reproduction of this document.

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THE CINCINNATI INSURANCE COMPANY
THE CINCINNATI CASUALTY COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY and THE CINCINNATI CASUALTY COMPANY, corporations organized under the laws of the State of Ohio, and having their principal offices in the City of Fairfield, Ohio (herein collectively called the "Companies"), do hereby constitute and appoint

Mark A. Thune; DeEtte Wurm; Mark W. Hayford; Nicole M. Coty; Nicole Saji; Litton E.S. Field, Jr.; Jacqueline Riley; Erin J. Pohlman; Amanda Plantenburg;Jeffrey R. Skarr; Kristie Reynolds; Mutya Enoksen; Tori Miller; Marlena Pope; Debra M. Bledsoe; Brenda S. Klimstra; Laurie Litke; Dena Grunhovd; Leslie Seehusen; Lori J. Hubbard; Martha Hoven and/or Jessica A. Olson

of St. Cloud, Thief River Falls, Mendota Heights and Rochester, Minnesota

their true and legal Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and deliver on behalf of the Companies as Surety, any and all bonds, policies, undertakings or other like instruments, as follows:

Any such obligations in the United States, up to

Fifty Million and No/100 Dollars ($50,000,000.00).

This appointment is made under and by authority of the following resolutions adopted by the Boards of Directors of The Cincinnati Insurance Company and The Cincinnati Casualty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the President or any Vice President be hereby authorized, and empowered to appoint Attorneys-in-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company.

RESOLVED, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary and the Seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS WHEREOF, the Companies have caused these presents to be sealed with their corporate seals, duly attested by their President or a Senior Vice President this 19th day of December, 2018.

THE CINCINNATI INSURANCE COMPANY
THE CINCINNATI CASUALTY COMPANY

Stephen A. Jantra

STATE OF OHIO)SS:
COUNTY OF BUTLER)

On this 19th day of December, 2018 before me came the above-named President or Vice President of The Cincinnati Insurance Company and The Cincinnati Casualty Company, to me personally known to be the officer described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of said Companies and the corporate seals and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporations.

Keith Collett, Attorney at Law
Notary Public – State of Ohio
My commission has no expiration date.
Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Secretary of The Cincinnati Insurance Company and The Cincinnati Casualty Company, hereby certify that the above is the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Power of Attorney is still in full force and effect.

Given under my hand and seal of said Companies at Fairfield, Ohio, this 8th day of August, 2023.

BN-1457 (4/19)

Acknowledgement of Receipt of Funds, Release of Claims, Partial/Final(circle one) Waiver of Mechanics' Lien and Waiver of Rights to Claim Against Bond(s)

WHEREAS, the Construction Participant(s) (identified below) participated in a Construction Project (identified below) at the Subject Property (identified below) through providing labor, skill, and/or materials; and

WHEREAS, Reshetar Systems, Inc. is the general contractor for the Construction Project at the Subject Property; and

WHEREAS, the Construction Participant(s) wish to fully waive claims against Ramsey COR Tree Clearing, the Subject Property and all rights to mechanics' lien claims and /or bond claims arising from the Construction Project that are or may be available including, but not limited to, claims arising under either Minnesota Statutes Chapter 514 or Minnesota Statutes Chapter 574.

NOW THEREFORE;By signature and attesting below, the Construction Participant(s) do hereby acknowledge receipt of $39,217.00. In exchange, the Construction Participant(s) do hereby fully, finally, irrevocably and without condition waive and release all mechanics' lien claims and bond claims arising from the labor, skill, and/or materials provided to the Construction Project prior to the date hereof, including without limitation those claims against:

1) Reshetar Systems, Inc., and its shareholders, officers, employees and agents,
2) the Subject Property itself,
3) any improvements upon the Subject Property,
4) the material, fixtures, apparatus, and/or machinery furnished at or to the Subject Property,
5) any funds due or to become due from the owner of the Subject Property, including without limitation any combination of the foregoing four items, and
6) any payment bond or performance bond of any kind relating to the Construction Project or the Subject Property.

The "Construction Participant(s) are the following:

City of Ramsey
Reshetar Systems, Inc.
Bolton & Menk
Cincinnati Insurance
North Risk Insurance

The "Construction Project" is the following:
Ramsey COR - Tree Clearing

STATE OF MINNESOTA
COUNTY OF ANOKA
The undersigned Affiant, first being duly sworn upon oath deposes and says that (s)he has authority to sign on behalf of the Construction Participant; that (s)he has read the foregoing, that (s)he knows the contents thereof, and that all the statements therin contained are true.

Date: 5-8-23 Signed: _____

Name of Person Signing: Ryan Zakrajshek

Title with Company: President

Name of Company: Fusion Works

Subscribed and sworn to before me this date: May 8, 2023

_____
Notary Public

MICHELLE RENEE ZAKRAJSHEK
Notary Public
State of Minnesota
My Commission Expires
January 31, 2025

Acknowledgement of Receipt of Funds, Release of Claims, Partial/Final(circle one) Waiver of Mechanics' Lien and Waiver of Rights to Claim Against Bond(s)

WHEREAS, the Construction Participant(s) (identified below) participated in a Construction Project (identified below) at the Subject Property (identified below) through providing labor, skill, and/or materials; and

WHEREAS, Reshetar Systems, Inc. is the general contractor for the Construction Project at the Subject Property; and

WHEREAS, the Construction Participant(s) wish to fully waive claims against Ramsey COR Tree Clearing, the Subject Property and all rights to mechanics' lien claims and /or bond claims arising from the Construction Project that are or may be available including, but not limited to, claims arising under either Minnesota Statutes Chapter 514 or Minnesota Statutes Chapter 574.

NOW THEREFORE;By signature and attesting below, the Construction Participant(s) do hereby acknowledge receipt of 1981.90. In exchange, the Construction Participant(s) do hereby fully, finally, irrevocably and without condition waive and release all mechanics' lien claims and bond claims arising from the labor, skill, and/or materials provided to the Construction Project prior to the date hereof, including without limitation those claims against;

1) Reshetar Systems, Inc., and its shareholders, officers, employees and agents,
2) the Subject Property itself,
3) any improvements upon the Subject Property,
4) the material, fixtures, apparatus, and/or machinery furnished at or to the Subject Property,
5) any funds due or to become due from the owner of the Subject Property, including without limitation any combination of the foregoing four items, and
6) any payment bond or performance bond of any kind relating to the Construction Project or the Subject Property.

The "Construction Participant(s) are the following:

City of Ramsey
Reshetar Systems, Inc.
Bolton & Menk
Cincinnati Insurance
North Risk Insurance

The "Construction Project" is the following:
Ramsey COR - Tree Clearing

STATE OF MINNESOTA,
COUNTY OF Dakota

The undersigned Affiant, first being duly sworn upon oath deposes and says that (s)he has authority to sign on behalf of the Construction Participant; that (s)he has read the foregoing, that (s)he knows the contents thereof, and that all the statements therin contained are true.

Date: 8/11/2023 Signed: Beth Novak

Name of Person Signing: Beth Novak

Title with Company: Controller

Name of Company: Safety Signs, LLC.

Subscribed and sworn to before me this date: 8/11/2023

Notary Public

Sara B. Scott
NOTARY PUBLIC
MINNESOTA
My Commission Expires Jan. 31, 2025

Acknowledgement of Receipt of Funds, Release of Claims, Partial/Final(circle one) Waiver of Mechanics' Lien and Waiver of Rights to Claim Against Bond(s)

WHEREAS, the Construction Participant(s) (identified below) participated in a Construction Project (identified below) at the Subject Property (identified below) through providing labor, skill, and/or materials; and

WHEREAS, Reshetar Systems, Inc. is the general contractor for the Construction Project at the Subject Property; and

WHEREAS, the Construction Participant(s) wish to fully waive claims against Ramsey COR Tree Clearing, the Subject Property and all rights to mechanics' lien claims and /or bond claims arising from the Construction Project that are or may be available including, but not limited to, claims arising under either Minnesota Statutes Chapter 514 or Minnesota Statutes Chapter 574.

NOW THEREFORE;By signature and attesting below, the Construction Participant(s) do hereby acknowledge receipt of $ 90 000.00 In exchange, the Construction Participant(s) do hereby fully, finally, irrevocably and without condition waive and release all mechanics' lien claims and bond claims arising from the labor, skill, and/or materials provided to the Construction Project prior to the date hereof, including without limitation those claims against:

1) Reshetar Systems, Inc., and its shareholders, officers, employees and agents,
2) the Subject Property itself,
3) any improvements upon the Subject Property,
4) the material, fixtures, apparatus, and/or machinery furnished at or to the Subject Property,
5) any funds due or to become due from the owner of the Subject Property, including without limitation any combination of the foregoing four items, and
6) any payment bond or performance bond of any kind relating to the Construction Project or the Subject Property.

The "Construction Participant(s) are the following:

City of Ramsey
Reshetar Systems, Inc.
Bolton & Menk
Cincinnati Insurance
North Risk Insurance

The "Construction Project" is the following:
Ramsey COR - Tree Clearing

STATE OF MINNESOTA
COUNTY OF Anoka

The undersigned Affiant, first being duly sworn upon oath deposes and says that (s)he has authority to sign on behalf of the Construction Participant; that (s)he has read the foregoing, that (s)he knows the contents thereof, and that all the statements therin contained are true.

Date: 8/11/2023 Signed: Jamie Reth

Name of Person Signing: Jamie Reth

Title with Company: GM

Name of Company: Central Wood Products

Subscribed and sworn to before me this date: 8/11/23

Notary Public

NICOLE MARIE RESHETAR
Notary Public
State of Minnesota
My commission expires
1/31/2025

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Adopt Resolution #23-217 Authorizing Final Payment to Corrective Asphalt Materials, LLC for IP #23-09, 2023 Pavement Rejuvenation Improvements

Purpose/Background:

Resolution and Pay Request attached.

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends final payment to Corrective Asphalt Materials, LLC, of South Roxana, Illinois for Improvement Project #23-06, 2023 Pavement Rejuvenation Improvements, in the amount of $5,462.30.

Outcome/Action:

Motion to adopt Resolution #23-217 authorizing final payment to Corrective Asphalt Materials, LLC for Improvement Project #23-09, 2023 Pavement Rejuvenation Improvements in the amount of $5,462.30.

Attachments

Pay Resolution #23-217

Pay Request

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 10:07 AM
Bruce Westby	Bruce Westby	09/21/2023 12:14 PM
Brian Hagen	Brian Hagen	09/21/2023 12:49 PM
Form Started By: Stacie Damjanovich		Started On: 09/18/2023 03:24 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-217

RESOLUTION AUTHORIZING FINAL PAYMENT TO CORRECTIVE ASPHALT MATERIALS, LLC., OF SOUTH ROXANA, ILLINOIS FOR IMPROVEMENT PROJECT #23-09; 2023 PAVEMENT REJUVENATION IMPROVEMENTS

WHEREAS, the City of Ramsey budgeted $200,000 for crack seal and pavement rejuvenation improvements in 2023 and is estimated to use the entire $200,000 budgeted funds; and

WHEREAS, the City of Ramsey proposes to use Municipal State Aid maintenance funds to apply pavement rejuvenation to Municipal State Aid streets, for the purpose of maintaining these streets as cost-effectively as possible; and

WHEREAS, pursuant to Resolution #23-063 a contract was awarded to Corrective Asphalt Materials, LLC in the amount of $98,710.60 for said improvements; and

WHEREAS, as of September 26, 2023 $103,783.63 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends final payment to Corrective Asphalt Materials, LLC, of South Roxana Illinois for improvement project #23-09, 2023 Pavement Rejuvenation Improvements, in the amount of $5,462.30.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The City Council hereby authorizes final payment to Corrective Asphalt Materials, LLC, of South Roxana Illinois for Improvement Project #23-09, 2023 Pavement Rejuvenation Improvements in the amount of $5,462.30.

2) The City Council hereby authorizes the Mayor and City Administrator to sign the release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills for the date of September 26, 2023.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____ and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023

_____
Mayor

ATTEST:

_____
City Clerk

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-217

RESOLUTION AUTHORIZING FINAL PAYMENT TO CORRECTIVE ASPHALT MATERIALS, LLC., OF SOUTH ROXANA, ILLINOIS FOR IMPROVEMENT PROJECT #23-09; 2023 PAVEMENT REJUVENATION IMPROVEMENTS

WHEREAS, the City of Ramsey budgeted $200,000 for crack seal and pavement rejuvenation improvements in 2023 and is estimated to use the entire $200,000 budgeted funds; and

WHEREAS, the City of Ramsey proposes to use Municipal State Aid maintenance funds to apply pavement rejuvenation to Municipal State Aid streets, for the purpose of maintaining these streets as cost-effectively as possible; and

WHEREAS, pursuant to Resolution #23-063 a contract was awarded to Corrective Asphalt Materials, LLC in the amount of $98,710.60 for said improvements; and

WHEREAS, as of September 26, 2023 $103,783.63 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends final payment to Corrective Asphalt Materials, LLC, of South Roxana Illinois for improvement project #23-09, 2023 Pavement Rejuvenation Improvements, in the amount of $5,462.30.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The City Council hereby authorizes final payment to Corrective Asphalt Materials, LLC, of South Roxana Illinois for Improvement Project #23-09, 2023 Pavement Rejuvenation Improvements in the amount of $5,462.30.

2) The City Council hereby authorizes the Mayor and City Administrator to sign the release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills for the date of September 26, 2023.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____ and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title

Adopt Resolution #23-218 Approving Partial Payment #4 to Northern Lines Contracting, Inc. for Improvement Project #23-01; 161st Ave Reconstruction

Purpose/Background:

Resolution and Pay Request attached.

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends partial payment no. 4 to Northern Lines Contracting, Inc. of Hanover, Minnesota for said project in the amount of $355,270.93.

Action:

Motion to adopt Resolution #23-218 authorizing partial payment no. 4 to Northern Lines Contracting, Inc. for Improvement Project #23-01; 161st Ave Reconstruction in the amount of $355,270.93

Attachments

Pay Resolution #23-218

Pay Request

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 09:36 AM
Brian Hagen	Brian Hagen	09/21/2023 11:10 AM
Form Started By: Stacie Damjanovich		Started On: 09/18/2023 03:00 PM
Final Approval Date: 09/21/2023		

Councilmember ____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-218

RESOLUTION AUTHORIZING PARTIAL PAYMENT TO NORTHERN LINES CONTRACTING, INC. OF HANOVER, MINNESOTA FOR IMPROVEMENT PROJECT #23-01; 161ST AVENUE RECONSTRUCTION

WHEREAS, the City of Ramsey proposes to reconstruct 161st Avenue between Armstrong Boulevard and Variolite Street; and

WHEREAS, pursuant to Ramsey City Council resolution #22-089, adopted April 12th, 2022, the City Council accepted and awarded the proposal to Bolten & Menk, Inc., for Topographic Survey of the project area; and

WHEREAS, pursuant to Ramsey City Council resolution #22-200, adopted August 23rd, 2022, the City Engineer was ordered to prepare plans and specifications for Improvement Project #23-01, 161st Avenue Reconstructions; and

WHEREAS, pursuant to Ramsey City Council resolution #23-051, adopted March 14, 2023, the City Council approved plans and specifications as prepared by the City Engineer and authorized advertisement for bids for same improvements; and

WHEREAS, proposals were received for Construction Staking and As-built Survey of $29,770.00 from Bolton Menk, Inc. for same improvement; and

WHEREAS, pursuant to Ramsey City Council resolution #23-081 the bid of Northern Lines Contracting, Inc. of Hanover, Minnesota, in the amount of $1,244,237.29 for the bid was accepted as the lowest responsible bidder; and

WHEREAS, as of September 26, 2023 $762,283.13 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends partial payment no. 4 to Northern Lines Contracting, Inc. of Hanover, Minnesota for said project in the amount of $355,270.93.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA:

1) That the City Council are hereby authorizes partial payment no. 4 to Northern Lines Contracting, Inc. of Hanover, Minnesota for said project, in the amount of $355,270.93.

2) That the City Council hereby accepts the project and authorizes the Mayor or City Administrator to sign the release for this payment.

3) That the total amount of this payment is not included in resolutions approving payment of bills for date of September 26, 2023.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Pay Estimate Summary Sheet

Estimate Number:	4 Partial
Project Number:	23-01 (S.A.P. 199-123-001)
Project Name:	161st Avenue Reconstruction
Period Ending	August 31, 2023
Contractor:	Northern Lines Contracting, Inc.
Address:	11039 Lamont Avenue NE, Hanover, MN 55341

1	Original Contract Amount		$ 1,244,237.29
2	Change Order(s)	No. ____ Thru No. ____	
3	Total Funds Encumbered		$ 1,244,237.29
4	Value of Work Completed		$ 1,176,372.70
5	Retainage 5 %		$ (58,818.64)
	Percent Complete	95%	
6	Deductions or Charges		$ -
7	Total Earned Less Retainage (Lines 4+5+6)		$ 1,117,554.06
8	Previous Payment(s)		$ 762,283.13
9	**Payment Due (Lines 7-8)**		**$ 355,270.93**
10	Total Balance to Finish, Including Retainage (Lines 3-7)		$ 126,683.23

Certification of Partial Payment

I hereby certify that, to the best of my knowledge and belief, all items, quantities and prices of work and material shown on this Estimate are correct and that all work has been performed in full accordance with the terms and conditions of the Contract for this project between owner and the undersigned Contractor, and as amended by any authorized changes and the foregoing is a true and correct statement of the contract amount for the period covered by this estimate.

Northern Lines Contracting, Inc.	Blair Raitz
Contractor Name	Print Name
Owner	
Title	Signature
	09/12/2023
	Date

City of Ramsey Approval

	9/12/2023
Signature (Project Engineer)	Date
	9/18/2023
Signature (City Engineer)	Date

161st Avenue Reconstruction
I.P. 23-01 (S.A.P. 199-123-001)
Estimate No. 4 Partial
Period Ending August 31, 2023

			CONTRACT AMOUNT				COMPLETED THIS PERIOD		COMPLETED TO DATE	
Item No.	MnDOT No.	Item Description	Unit	Estimated Quantity	Unit Price	Extended Total	Quantity	Extended Total	Quantity	Extended Total
1	2021.501	MOBILIZATION	LS	1.0	$ 35,000.00	$ 35,000.00	0.25	$ 8,750.00	1.00	$ 35,000.00
2	2101.502	CLEARING	EA	16	$ 187.00	$ 2,992.00	0	$ -	29.00	$ 5,423.00
3	2101.502	GRUBBING	EA	16	$ 187.00	$ 2,992.00	0	$ -	29.00	$ 5,423.00
4	2101.505	CLEARING	ACRE	0.31	$ 9,500.00	$ 2,945.00	0.00	$ -	0.31	$ 2,945.00
5	2101.505	GRUBBING	ACRE	0.31	$ 9,500.00	$ 2,945.00	0.00	$ -	0.31	$ 2,945.00
6	2104.502	REMOVE BASKETBALL HOOP	EA	2	$ 135.00	$ 270.00	0	$ -	2	$ 270.00
7	2104.502	SALVAGE MAIL BOX SUPPORT	EA	8	$ 105.00	$ 840.00	0	$ -	8	$ 840.00
8	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	238	$ 3.00	$ 714.00	60	$ 180.00	250	$ 750.00
9	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LF	79	$ 5.00	$ 395.00	70	$ 350.00	70	$ 350.00
10	2104.503	REMOVE CONCRETE CURB AND GUTTER	LF	6	$ 10.00	$ 60.00	0	$ -	0	$ -
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SY	3111	$ 2.30	$ 7,155.30	0	$ -	3111	$ 7,155.30
12	2104.504	REMOVE CONCRETE PAVEMENT	SY	69	$ 6.00	$ 414.00	0	$ -	69	$ 414.00
13	2104.602	LANDSCAPE RESTORATION	EA	12	$ 500.00	$ 6,000.00	0	$ -	0	$ -
14	2106.507	EXCAVATION - CHANNEL & PONDING (EV)	CY	7219	$ 6.10	$ 44,035.90	0	$ -	7056	$ 43,041.60
15	2106.507	EXCAVATION - COMMON (EV)	CY	886	$ 6.10	$ 5,404.60	0	$ -	886	$ 5,404.60
16	2106.507	EXCAVATION - SUBGRADE (EV)	CY	1768	$ 6.10	$ 10,784.80	0	$ -	1768	$ 10,784.80
17	2106.507	HAUL & STOCKPILE RECLAIM MATERIAL (LV)	CY	2025	$ 5.50	$ 11,137.50	0	$ -	2025	$ 11,137.50
18	2108.504	GEOTEXTILE FABRIC TYPE 4	SY	68	$ 5.00	$ 340.00	0	$ -	0	$ -
19	2112.519	SUBGRADE PREPARATION - ROADWAY	RDST	26	$ 375.00	$ 9,750.00	0	$ -	26	$ 9,750.00
20	2112.604	SUBGRADE PREPARATION	SY	5445	$ 1.05	$ 5,717.25	0	$ -	5445	$ 5,717.25
21	2123.61	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	45	$ 165.00	$ 7,425.00	8	$ 1,320.00	8	$ 1,320.00
22	2130.523	WATER	MGAL	52	$ 35.00	$ 1,820.00	0	$ -	0	$ -
23	2211.507	AGGREGATE BASE CLASS 5 MODIFIED (CV)	CY	2687	$ 22.00	$ 59,114.00	1231	$ 27,082.00	2687	$ 59,114.00
24	2215.504	FULL DEPTH RECLAMATION	SY	8974	$ 1.50	$ 13,461.00	0	$ -	8974	$ 13,461.00
25	2232.504	MILL BITUMINOUS PAVEMENT 2.0"	SY	26	$ 10.50	$ 273.00	26	$ 273.00	26	$ 273.00
26	2301.604	CONCRETE PAVEMENT DRIVEWAYS 6.0"	SY	80	$ 94.75	$ 7,580.00	0	$ -	79	$ 7,485.25
27	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	721	$ 3.15	$ 2,271.15	340	$ 1,071.00	340	$ 1,071.00
28	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)	TON	860	$ 89.05	$ 76,583.00	969	$ 86,289.45	969	$ 86,289.45
29	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,F) - PARKING LOT	TON	303	$ 98.10	$ 29,724.30	305	$ 29,920.50	305	$ 29,920.50
30	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	860	$ 91.70	$ 78,862.00	771	$ 70,700.70	771	$ 70,700.70
31	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) DRIVEWAYS	TON	5	$ 210.00	$ 1,050.00	5	$ 1,050.00	5	$ 1,050.00
32	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) TRAIL	TON	365	$ 104.50	$ 38,142.50	408	$ 42,636.00	408	$ 42,636.00
33	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,F) PARKING LOT	TON	227	$ 101.15	$ 22,961.05	230	$ 23,264.50	230	$ 23,264.50
34	2501.502	18" RC PIPE APRON	EA	1	$ 1,430.00	$ 1,430.00	0	$ -	1	$ 1,430.00
35	2501.502	30" RC PIPE APRON	EA	1	$ 2,025.00	$ 2,025.00	0	$ -	1	$ 2,025.00
36	2501.602	TRASH GUARD FOR 18" RC PIPE APRON	EA	1	$ 820.00	$ 820.00	0	$ -	1	$ 820.00
37	2501.602	TRASH GUARD FOR 30" RC PIPE APRON	EA	1	$ 2,475.00	$ 2,475.00	0	$ -	1	$ 2,475.00
38	2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS III	LF	378	$ 64.00	$ 24,192.00	0	$ -	378	$ 24,192.00
39	2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS III	LF	80	$ 72.00	$ 5,760.00	0	$ -	80	$ 5,760.00
40	2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS III	LF	699	$ 146.00	$ 102,054.00	0	$ -	708	$ 103,368.00
41	2503.602	CONNECT TO EXISTING SANITARY SEWER	EA	2	$ 21,000.00	$ 42,000.00	0	$ -	2	$ 42,000.00
42	2503.603	6" PVC PIPE SEWER SDR 26	LF	153	$ 42.00	$ 6,426.00	0	$ -	162	$ 6,804.00
43	2503.603	8" PVC PIPE SEWER SDR 26	LF	1180	$ 41.00	$ 48,380.00	0	$ -	1179	$ 48,339.00
44	2503.603	CLEAN & TELEVISE PIPE SEWER	LF	1333	$ 6.00	$ 7,998.00	0	$ -	0	$ -
45	2504.602	6" PIPE PLUG	EA	2	$ 120.00	$ 240.00	0	$ -	2	$ 240.00
46	2504.602	6" GATE VALVE & BOX	EA	5	$ 2,300.00	$ 11,500.00	0	$ -	5	$ 11,500.00
47	2504.602	8" GATE VALVE & BOX	EA	2	$ 3,135.00	$ 6,270.00	0	$ -	3	$ 9,405.00
48	2504.602	ADJUST VALVE BOX	EA	7	$ 385.00	$ 2,695.00	7	$ 2,695.00	7	$ 2,695.00
49	2504.602	CONNECT TO EXISTING WATERMAIN	EA	2	$ 1,485.00	$ 2,970.00	0	$ -	2	$ 2,970.00
50	2504.602	HYDRANT (8.5' BURY)	EA	2	$ 5,910.00	$ 11,820.00	0	$ -	2	$ 11,820.00
51	2504.603	6" WATERMAIN DUCTILE IRON CL 53	LF	144	$ 65.00	$ 9,360.00	0	$ -	144	$ 9,360.00
52	2504.603	8" WATERMAIN DUCTILE IRON CL 52	LF	1170	$ 66.00	$ 77,220.00	0	$ -	1170	$ 77,220.00
53	2504.608	WATERMAIN FITTINGS	LBS	431	$ 16.00	$ 6,896.00	0	$ -	431	$ 6,896.00
54	2506.502	ADJUST FRAME AND RING CASTING	EA	5	$ 695.00	$ 3,475.00	5	$ 3,475.00	5	$ 3,475.00
55	2506.502	CASTING ASSEMBLY (SANITARY)	EA	4	$ 945.00	$ 3,780.00	4	$ 3,780.00	4	$ 3,780.00
56	2506.502	CASTING ASSEMBLY (STORM)	EA	12	$ 790.00	$ 9,480.00	0	$ -	12	$ 9,480.00
57	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 2'X3'	EA	3	$ 1,850.00	$ 5,550.00	0	$ -	4	$ 7,400.00
58	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 27-4020	EA	1	$ 1,460.00	$ 1,460.00	0	$ -	1	$ 1,460.00
59	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	EA	4	$ 2,960.00	$ 11,840.00	0	$ -	4	$ 11,840.00
60	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	EA	2	$ 5,285.00	$ 10,570.00	0	$ -	2	$ 10,570.00
61	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	EA	2	$ 9,365.00	$ 18,730.00	0	$ -	2	$ 18,730.00
62	2506.503	CONSTRUCT SANITARY SEWER MANHOLE	LF	56.7	$ 420.00	$ 23,814.00	0.0	$ -	56.7	$ 23,826.60
63	2511.507	RANDOM RIP RAP CLASS III	CY	20	$ 210.00	$ 4,200.00	0	$ -	20	$ 4,200.00
64	2521.504	6" CONCRETE WALK	SY	124	$ 151.45	$ 18,779.80	49	$ 7,421.05	49	$ 7,421.05
65	2521.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EA	88	$ 31.50	$ 2,772.00	0	$ -	0	$ -
66	2531.503	CONCRETE CURB & GUTTER DESIGN B618	LF	4799	$ 18.55	$ 89,021.45	0	$ -	5049	$ 93,658.95
67	2531.503	CONCRETE CURB & GUTTER DESIGN B612	LF	1389	$ 24.30	$ 33,752.70	989	$ 24,032.70	1052	$ 25,563.60
68	2531.604	7" CONCRETE DRAINAGE FLUME	SY	4	$ 163.00	$ 652.00	0	$ -	0	$ -

Item No.	MnDOT No.	Item Description	CONTRACT AMOUNT				COMPLETED THIS PERIOD		COMPLETED TO DATE	
			Unit	Estimated Quantity	Unit Price	Extended Total	Quantity	Extended Total	Quantity	Extended Total
69	2531.604	7" CONCRETE VALLEY GUTTER	SY	232	$ 157.00	$ 36,424.00	112	$ 17,584.00	254	$ 39,878.00
70	2531.618	TRUNCATED DOMES	SF	222	$ 68.25	$ 15,151.50	86	$ 5,869.50	86	$ 5,869.50
71	2540.602	TEMPORARY MAIL BOX CLUSTER	EA	1	$ 420.00	$ 420.00	0	$ -	1	$ 420.00
72	2540.602	INSTALL MAIL BOX SUPPORT	EA	8	$ 132.00	$ 1,056.00	0	$ -	0	$ -
73	2563.601	TRAFFIC CONTROL	LS	1	$ 7,250.00	$ 7,250.00	0.5	$ 3,625.00	1.0	$ 7,250.00
74	2571.502	BASKETBALL HOOP	EA	4	$ 3,150.00	$ 12,600.00	4.0	$ 12,600.00	4	$ 12,600.00
75	2571.502	CONIFEROUS TREE 6' HT B&B	EA	7	$ 930.00	$ 6,510.00	0.0	$ -	0	$ -
76	2571.502	DECIDUOUS TREE 6' HT B&B	EA	2	$ 795.00	$ 1,590.00	0.0	$ -	0	$ -
77	2572.503	TEMPORARY TREE PROTECTION FENCE	LF	1824	$ 2.45	$ 4,468.80	0.0	$ -	1824	$ 4,468.80
78	2573.602	STABILIZED CONSTRUCTION EXIT	EA	3	$ 970.00	$ 2,910.00	0	$ -	1	$ 970.00
79	2573.502	STORM DRAIN INLET PROTECTION	EA	10	$ 225.00	$ 2,250.00	0	$ -	10	$ 2,250.00
80	2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LF	125	$ 3.15	$ 393.75	0	$ -	0	$ -
81	2573.503	SILT FENCE; TYPE MS	LF	5236	$ 2.75	$ 14,399.00	0	$ -	4849	$ 13,334.75
82	2574.507	TOPSOIL (LV)	CY	1975	$ 0.01	$ 19.75	0	$ -	0	$ -
83	2574.508	FERTILIZER TYPE 3	LBS	305	$ 0.95	$ 289.75	0	$ -	100	$ 95.00
84	2575.504	ROLLED EROSION PREVENTION CATEGORY 20	SY	7595	$ 2.00	$ 15,190.00	0	$ -	6500	$ 13,000.00
85	2575.505	SEEDING	ACRE	2.83	$ 263.00	$ 744.29	0.00	$ -	2.00	$ 526.00
86	2575.508	HYDRAULIC MULCH MATRIX	LBS	5040	$ 1.25	$ 6,300.00	0	$ -	0	$ -
87	2575.508	SEED MIXTURE 25-151	LBS	175	$ 5.25	$ 918.75	0	$ -	0	$ -
88	2575.508	SEED MIXTURE 33-262	LBS	65	$ 14.00	$ 910.00	0	$ -	75	$ 1,050.00
89	2582.503	4" BROKEN LINE PAINT (EPOXY)	LF	530	$ 1.55	$ 821.50	0	$ -	0	$ -
90	2582.503	4" DASHED LINE PAINT (EPOXY)	LF	644	$ 1.55	$ 998.20	0	$ -	0	$ -
91	2582.503	4" SOLID LINE PAINT (EPOXY)	LF	6502	$ 1.55	$ 10,078.10	0	$ -	0	$ -
92	2582.518	CROSSWALK PAINT (EPOXY)	SF	522	$ 5.50	$ 2,871.00	0	$ -	0	$ -
93	2582.518	PAVEMENT MESSAGE (EPOXY)	SF	11	$ 9.60	$ 105.60	0	$ -	0	$ -
		GRAND TOTALS				$ 1,244,237.29		$ 373,969.40		$ 1,176,372.70

Internal City Use Only				
MSA Funds (0.46 Mobilization)		$ 293,509.40		$ 607,397.10
Storm Sewer Utility Funds (0.25 Mobilization)		$ 2,187.50		$ 232,440.00
Water Utility Funds (0.09 Mobilization)		$ 3,462.50		$ 135,016.00
Sanitary Sewer Utility Funds (0.09 Mobilization)		$ 8,042.50		$ 131,614.60
Park Improvement Funds (0.11 Mobilization)		$ 66,747.50		$ 69,905.00
Total Funds		$ 373,969.40		$ 1,176,372.70

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Adopt Resolution #23-219 Approving Partial Payment no. 2 to Douglas-Kerr Underground, L.L.C. for Improvement Project #23-05; Barthel's Rum River Acres 2nd Street Reconstruction.

Purpose/Background:

Resolution and Pay Request attached.

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends partial payment No. 2 to Douglas-Kerr Underground, LLC., of Mora, Minnesota for improvement project #23-05, Barthel's Rum River Acres 2nd Street Reconstruction, in the amount of $567,035.28.

Outcome/Action:

Motion to adopt Resolution #23-219 authorizing partial payment no. 2 to Douglas-Kerr Underground, L.L.C. for Improvement Project #23-05; Barthel's Rum River Acres 2nd Street Reconstruction in the amount of $567,035.28.

Attachments

Pay Resolution #23-219

Pay Request

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 09:37 AM
Brian Hagen	Brian Hagen	09/21/2023 11:11 AM
Form Started By: Stacie Damjanovich		Started On: 09/18/2023 03:15 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-219

RESOLUTION AUTHORIZING PARTIAL PAYMENT TO DOUGLAS-KERR UNDERGROUND, LLC., OF MORA, MINNESOTA FOR IMPROVEMENT PROJECT #23-05; BARTHEL'S RUM RIVER ACRES 2ND STREET RECONSTRUCTION

WHEREAS, the City of Ramsey proposes to reconstruct the streets within the Barthel's Rum River Acres 2nd subdivision; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-202, adopted August 23, 2022, City Council accepted and awarded the proposal to Hakanson Anderson for Topographic Survey of the project area; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-204, adopted August 23, 2022, the City Council awarded a contract to Haugo Geotechnical Services to prepare a geotechnical report for Improvement Project #23-05, Barthel's Rum River Acres 2nd Addition Street Reconstructions, including 13 soil borings and pavement cores; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-286, adopted December 13, 2022, the City Engineer was ordered to prepare plans and specifications for Improvement Project #23-05, Barthel's Rum River Acres 2nd Addition Street Reconstructions; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-047 adopted February 28, 2023, the City Council awarded Haugo Geotechnical Services an addendum to the current contract for said project and plans and specs have been updated with said information; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-082, adopted April 25th 2023, the City Council approved plans and specifications as prepared by the City Engineer authorized advertisement for bids for same improvements; and

WHEREAS, the bid Douglas-Kerr Underground, L.L.C. of Mora, Minnesota, in the amount of $1,198,428.85 for the total bid for construction of the improvements in accordance with the approved plans and specifications and advertisement for bids, is the lowest responsible bidder and their bid shall be and hereby is accepted.

WHEREAS, as of September 26, 2023 $246,407.25 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends partial payment No. 2 to Douglas-Kerr Underground, LLC., of Mora, Minnesota for improvement project #23-05, Barthel's Rum River Acres 2nd Street Reconstruction, in the amount of $567,035.28.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The City Council hereby authorizes partial payment No. 2 to Douglas-Kerr Underground, LLC of

Mora, Minnesota for Improvement Project #23-05, Barthel's Rum River Acres 2nd Street Reconstruction in the amount of $567,035.28.

2) The City Council hereby authorizes the Mayor and City Administrator to sign the release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills for the date of September 26, 2023.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember ____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Pay Estimate Summary Sheet

Estimate Number:	2 Partial
Project Number:	23-05
Project Name:	Barthel's Rum River Acres 2nd Street Reconstructions
Period Ending	August 31, 2023
Contractor:	Douglas-Kerr Underground, L.L.C.
Address:	PO Box 85, Mora, MN 55051-0085

1	Original Contract Amount		$ 1,198,428.85
2	Change Order(s)	No. 1 Thru No. 1	$ 18,490.45
3	Total Funds Encumbered		$ 1,216,919.30
4	Value of Work Completed		$ 856,255.30
5	Retainage 5 %		$ (42,812.77)
	Percent Complete	70%	
6	Deductions or Charges		$ -
7	Total Earned Less Retainage (Lines 4+5+6)		$ 813,442.53
8	Previous Payment(s)		$ 246,407.25
9	**Payment Due (Lines 7-8)**		**$ 567,035.28**
10	Total Balance to Finish, Including Retainage (Lines 3-7)		$ 403,476.77

Certification of Partial Payment

I hereby certify that, to the best of my knowledge and belief, all items, quantities and prices of work and material shown on this Estimate are correct and that all work has been performed in full accordance with the terms and conditions of the Contract for this project between owner and the undersigned Contractor, and as amended by any authorized changes and the foregoing is a true and correct statement of the contract amount for the period covered by this estimate.

Douglas-Kerr Underground, LLC Contractor Name	Dennis D. Douglas Print Name
Manager Title	 Signature
	9-12-23 Date

City of Ramsey Approval

 Signature (Project Engineer)	9/12/2023 Date
 Signature (City Engineer)	9/18/2023 Date

Barthel's Rum River Acres 2nd Street Reconstructions
I.P. 23-05
Estimate No. 2 **Partial**
Period Ending August 31, 2023

			CONTRACT AMOUNT				COMPLETED THIS PERIOD		COMPLETED TO DATE	
Item No.	MnDOT No.	Item Description	Unit	Estimated Quantity	Unit Price	Extended Total	Quantity	Extended Total	Quantity	Extended Total
1	2021.501	MOBILIZATION	LS	1.0	$ 91,325.00	$ 91,325.00	0.25	$ 22,831.25	0.75	$ 68,493.75
2	2102.502	CLEARING TREE	TREE	2	$ 500.00	$ 1,000.00	0	$ -	10	$ 5,000.00
3	2101.502	GRUBBING TREE	TREE	2	$ 300.00	$ 600.00	0	$ -	10	$ 3,000.00
4	2101.503	REMOVE CULVERT	LF	520	$ 8.25	$ 4,290.00	0	$ -	427	$ 3,522.75
5	2104.502	SALVAGE MAIL BOX SUPPORT	EA	34	$ 75.00	$ 2,550.00	0	$ -	30	$ 2,250.00
6	2104.503	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LF	640	$ 2.80	$ 1,792.00	489	$ 1,369.20	489	$ 1,369.20
7	2104.503	SAWING CONCRETE PAVEMENT - FULL DEPTH	LF	100	$ 3.45	$ 345.00	142	$ 489.90	142	$ 489.90
8	2104.504	REMOVE CONCRETE PAVEMENT - DRIVEWAYS	SY	100	$ 10.95	$ 1,095.00	145	$ 1,587.75	145	$ 1,587.75
9	2104.504	REMOVE BITUMINOUS PAVEMENT - DRIVEWAYS	SY	570	$ 8.25	$ 4,702.50	519	$ 4,281.75	519	$ 4,281.75
10	2104.504	REMOVE GRAVEL SURFACE - DRIVEWAYS	SY	145	$ 2.65	$ 384.25	0	$ -	0	$ -
11	2105.607	COMMON EXCAVATION (EV)	CY	780	$ 19.35	$ 15,093.00	0	$ -	0	$ -
12	2105.607	SUBGRADE EXCAVATION, REMOVE UNSUITABLE MATERIALS (EV)	CY	6450	$ 11.60	$ 74,820.00	7171	$ 83,183.60	7171	$ 83,183.60
13	2106.607	HAUL & STOCKPILE RECLAIM MATERIAL (LV)	CY	1230	$ 9.65	$ 11,869.50	1570	$ 15,150.50	1570	$ 15,150.50
14	2106.507	SELECT GRANULAR BORROW (CV)	CY	6810	$ 17.95	$ 122,239.50	5112	$ 91,760.40	5112	$ 91,760.40
15	2112.519	SUBGRADE PREPARATION	RDST	29	$ 301.20	$ 8,734.80	29	$ 8,734.80	29	$ 8,734.80
16	2130.523	WATER	MGAL	50	$ 79.00	$ 3,950.00	170	$ 13,430.00	170	$ 13,430.00
17	2211.507	AGGREGATE BASE CLASS 5 - MODIFIED (CV)	CY	1415	$ 31.90	$ 45,138.50	735	$ 23,446.50	735	$ 23,446.50
18	2215.504	FULL DEPTH RECLAMATION	SY	24230	$ 1.30	$ 31,499.00	2418	$ 3,143.40	26648	$ 34,642.40
19	2105.507	GEOTEXTILE FABRIC TYPE 4	SY	135	$ 1.60	$ 216.00	0	$ -	101	$ 161.60
20	2108.504	GEOTEXTILE FABRIC TYPE 5	SY	8000	$ 1.85	$ 14,800.00	7976	$ 14,755.60	7976	$ 14,755.60
21	2232.504	MILL BITUMINOUS PAVEMENT (2.0")	SY	24	$ 3.50	$ 84.00	0	$ -	0	$ -
22	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	1700	$ 3.50	$ 5,950.00	15	$ 52.50	15	$ 52.50
23	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C) 2.0"	TON	2860	$ 87.00	$ 248,820.00	2943	$ 256,041.00	2943	$ 256,041.00
24	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) 1.5"	TON	2060	$ 94.00	$ 193,640.00	0	$ -	0	$ -
25	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) 2.0" DRIVEWAYS	TON	65	$ 281.45	$ 18,294.25	0	$ -	0	$ -
26	2501.503	15" RC PIPE SEWER DESIGN 3006 CLASS III	LF	276	$ 97.80	$ 26,992.80	0	$ -	256	$ 25,036.80
27	2501.503	18" RC PIPE SEWER DESIGN 3006 CLASS III	LF	52	$ 87.20	$ 4,534.40	0	$ -	52	$ 4,534.40
28	2501.503	36" RC PIPE SEWER DESIGN 3006 CLASS III	LF	136	$ 207.75	$ 28,254.00	0	$ -	136	$ 28,254.00
29	2502.503	4" PERF PVC PIPE DRAIN	LF	2247	$ 20.75	$ 46,625.25	2122	$ 44,031.50	2122	$ 44,031.50
30	2501.502	15" RC PIPE APRON	EA	12	$ 2,381.00	$ 28,572.00	0	$ -	12	$ 28,572.00
31	2501.502	18" RC PIPE APRON	EA	2	$ 2,569.00	$ 5,138.00	0	$ -	2	$ 5,138.00
32	2501.502	36" RC PIPE APRON	EA	4	$ 7,112.00	$ 28,448.00	0	$ -	4	$ 28,448.00
33	2501.603	30" PIPE CULVERT TEMPORARY BYPASS	LF	120	$ 35.25	$ 4,230.00	0	$ -	120	$ 4,230.00
34	2502.502	4" PRECAST CONCRETE HEADWALL	EA	2	$ 457.80	$ 915.60	2	$ 915.60	2	$ 915.60
35	2502.502	STORM SEWER PILING & CONCRETE END SECTION	EA	4	$ 6,646.00	$ 26,584.00	0	$ -	4	$ 26,584.00
36	2502.602	4" PVC PIPE DRAIN CLEANOUT	EA	10	$ 417.90	$ 4,179.00	10	$ 4,179.00	10	$ 4,179.00
37	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	EA	2	$ 3,755.00	$ 7,510.00	0	$ -	2	$ 7,510.00
38	2506.502	CASTING ASSEMBLY (STORM)	EA	2	$ 1,754.00	$ 3,508.00	0	$ -	0	$ -

Item No.	MnDOT No.	Item Description	CONTRACT AMOUNT				COMPLETED THIS PERIOD		COMPLETED TO DATE	
			Unit	Estimated Quantity	Unit Price	Extended Total	Quantity	Extended Total	Quantity	Extended Total
39	2531.504	6" CONCRETE PAVEMENT DRIVEWAY	SY	105	$ 150.00	$ 15,750.00	0	$ -	0	$ -
40	2531.504	GRAVEL SURFACE	SY	145	$ 8.20	$ 1,189.00	0	$ -	0	$ -
41	2540.602	TEMPORARY MAIL BOX CLUSTER	EA	3	$ 550.00	$ 1,650.00	0	$ -	2	$ 1,100.00
42	2540.602	INSTALL MAIL BOX SUPPORT	EA	34	$ 100.00	$ 3,400.00	0	$ -	0	$ -
43	2575.504	ROLLED EROSION PREVENTION CATEGORY 20	SY	865	$ 1.50	$ 1,297.50	437	$ 655.50	437	$ 655.50
44	2575.602	LANDSCAPE RESTORATION	EA	10	$ 500.00	$ 5,000.00	0	$ -	0	$ -
45	2563.601	TRAFFIC CONTROL	LS	1	$ 2,450.00	$ 2,450.00	0.25	$ 612.50	0.75	$ 1,837.50
46	2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LF	675	$ 3.00	$ 2,025.00	0	$ -	528	$ 1,584.00
47	2573.503	SILT FENCE, TYPE MS	LF	2400	$ 2.25	$ 5,400.00	0	$ -	1724	$ 3,879.00
48	2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER	LF	80	$ 21.85	$ 1,748.00	0	$ -	100	$ 2,185.00
49	2573.501	STABILIZED CONSTRUCTION EXIT	EA	3	$ 778.75	$ 2,336.25	4	$ 3,115.00	4	$ 3,115.00
50	2574.507	TOPSOIL (LV)	CY	690	$ 37.10	$ 25,599.00	0	$ -	0	$ -
51	2574.508	FERTILIZER TYPE 3	LBS	130	$ 0.85	$ 110.50	0	$ -	0	$ -
52	2511.509	RANDOM RIPRAP CLASS III	CY	25	$ 126.25	$ 3,156.25	24	$ 3,030.00	24	$ 3,030.00
53	2575.505	SEEDING	ACRE	1.28	$ 1,500.00	$ 1,920.00	0.00	$ -	0.00	$ -
54	2575.508	HYDRAULIC MATRIX TYPE MULCH	LBS	5120	$ 1.20	$ 6,144.00	0	$ -	0	$ -
55	2575.508	SEED MIXTURE 25-151	LBS	150	$ 3.20	$ 480.00	10	$ 32.00	10	$ 32.00
56	2575.508	SEED MIXTURE 33-261	LBS	1	$ 50.00	$ 50.00	1	$ 50.00	1	$ 50.00
		ORIGINAL CONTRACT TOTALS				**$ 1,198,428.85**		**$ 596,879.25**		**$ 856,255.30**

CHANGE ORDER No.1

Item No.	MnDOT No.	Item Description	Unit	Estimated Quantity	Unit Price	Extended Total	Quantity	Extended Total	Quantity	Extended Total
CO1	2101.503	REMOVE CULVERT	LF	23	$ 8.25	$ 189.75	0	$ -	0	$ -
CO2	2104.503	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LF	12	$ 2.80	$ 33.60	0	$ -	0	$ -
CO3	2104.504	REMOVE BITUMINOUS PAVEMENT - DRIVEWAYS	SY	24	$ 8.25	$ 198.00	0	$ -	0	$ -
CO4	2105.607	COMMON EXCAVATION (EV)	CY	168	$ 19.35	$ 3,250.80	0	$ -	0	$ -
CO5	2501.503	15" RC PIPE SEWER DESIGN 3006 CLASS III	LF	16	$ 97.80	$ 1,564.80	0	$ -	0	$ -
CO6	2501.502	15" RC PIPE APRON	EA	2	$ 2,381.00	$ 4,762.00	0	$ -	0	$ -
CO7	2575.504	ROLLED EROSION PREVENTION CATEGORY 20	SY	38	$ 1.50	$ 57.00	0	$ -	0	$ -
CO8	2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LF	205	$ 3.00	$ 615.00	0	$ -	0	$ -
CO9	2574.507	TOPSOIL (LV)	CY	87	$ 37.10	$ 3,227.70	0	$ -	0	$ -
CO10	2575.505	SEEDING	ACRE	0.13	$ 1,500.00	$ 195.00	0.00	$ -	0.00	$ -
CO11	2575.508	HYDRAULIC MATRIX TYPE MULCH	LBS	500	$ 1.20	$ 600.00	0	$ -	0	$ -
CO12	2575.508	SEED MIXURE 25-151	LBS	15	$ 3.20	$ 48.00	0	$ -	0	$ -
CO13	2105.603	DITCH GRADING	HR	4	$ 450.00	$ 1,800.00	0	$ -	0	$ -
CO14	2105.609	HAUL EXCESS MATERIAL	CY	168	$ 11.60	$ 1,948.80	0	$ -	0	$ -
		CHANGE ORDER No.1 TOTALS				**$ 18,490.45**		**$ -**		**$ -**
		GRAND TOTALS				**$ 1,216,919.30**		**$ 596,879.25**		**$ 856,255.30**

Internal City Use Only			
Pavement Management Funds (0.89 Mob)	*$ 542,211.71*		*$ 638,096.09*
Storm Sewer Utility Funds (0.11 Mob)	*$ 54,667.54*		*$ 218,159.21*
Total Funds	*$ 596,879.25*		*$ 856,255.30*

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Adopt Resolution #23-220 Authorizing Partial Payment #2 to Meyer Contracting Inc. for Improvement Project #23-11; Lift Station #10 Improvements.

Purpose/Background:

Resolution and Pay Request attached.

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends partial payment No. 2 to Meyer Contracting, Inc. of Maple Grove, Minnesota, for improvement project #23-11, Lift Station #10 Improvements, in the amount of $937,107.81.

Outcome/Action:

Motion to adopt Resolution #23-220 authorizing partial payment #2 to Meyer Contracting Inc. for Improvement Project #23-11; Lift Station #10 Improvements in the amount of $937,107.81

Attachments

Pay Resolution #23-220

Pay Request

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 10:30 AM
Bruce Westby	Bruce Westby	09/21/2023 12:16 PM
Brian Hagen	Brian Hagen	09/21/2023 12:50 PM
Form Started By: Stacie Damjanovich		Started On: 09/18/2023 03:42 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-220

RESOLUTION AUTHORIZING PARTIAL PAYMENT TO MEYER CONTRACTING, INC., OF MAPLE GROVE, MINNESOTA FOR IMPROVEMENT PROJECT #23-11; LIFT STATION #10 IMPROVEMENTS

WHEREAS, pursuant to Ramsey City Council Resolution #22-010, adopted January 11, 2022, the City Council approved the Preliminary Plat for the Trott Brook Crossing residential subdivision; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-252, adopted November 7, 2022, the City Council approved a Grading Agreement for the Trott Brook Crossing residential subdivision, allowing grading activities for the first phase of construction to begin; and

WHEREAS, on March 28, 2023, the City Council approved the Final Plat and Development Agreement for Trott Brook Crossing; and

WHEREAS, Bolton and Menk, Inc. prepared final plans and specifications for Improvement Project #23-11 to allow the City to serve the Trott Brook Crossing residential subdivision with the necessary municipal trunk sanitary sewer in 2023 as required to meet the proposed development schedule; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-094, adopted April 25, 2023, the City Council approved the plans and specifications prepared by Bolton and Menk, Inc. and authorized advertisements for bids for said improvements; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-131 a contract was awarded to Meyer Contracting Inc. of Maple Grove, Minnesota in the amount of $1,461,454.93 for said improvements; and

WHEREAS, as of September 26, 2023 $65,089.77 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends partial payment No. 2 to Meyer Contracting, Inc. of Maple Grove, Minnesota, for improvement project #23-11, Lift Station #10 Improvements, in the amount of $937,107.81.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The City Council hereby authorizes partial payment No. 2 to Meyer Contracting, Inc., of Maple Grove, Minnesota for Improvement Project #23-11, Lift Station #10 Improvements in the amount

of $937,107.81.

2) The City Council hereby authorizes the Mayor and City Administrator to sign the release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills for the date of September 26, 2023.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Contractor's Application for Payment

Owner:	City of Ramsey	**Owner's Project No.:**	23-11
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0R1.131248; 0R1.129410
Contractor:	Meyer Contracting, Inc.	**Agency's Project No.:**	
Project:	Lift Station #10 Improvements		
Contract:			

Application No.: 2 **Application Date:** 9/11/2023

Application Period: **From** 8/1/2023 **to** 9/1/2023

1. Original Contract Price	$	1,461,454.93
2. Net change by Change Orders	$	-
3. Current Contract Price (Line 1 + Line 2)	$	1,461,454.93
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	$	1,054,944.82
5. Retainage		
a. 5% X $ 1,054,944.82 Work Completed	$	52,747.24
b. X $ - Stored Materials	$	-
c. Total Retainage (Line 5.a + Line 5.b)	$	52,747.24
6. Amount eligible to date (Line 4 - Line 5.c)	$	1,002,197.58
7. Less previous payments	$	65,089.77
8. **Amount due this application**	**$**	**937,107.81**
9. Balance to finish, including retainage (Line 3 - Line 4)	$	406,510.11

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Meyer Contracting

Signature: [signature] **Date:** 9/12/23

Name: Scott Pelletier **Title:** Project Manager

Recommended by Engineer		**Approved by Owner**	
By:	[signature]	**By:**	[signature]
Name:	Zach Lingl, PE	**Name:**	Bruce Westby
Title:	Project Manager	**Title:**	City Engineer / Public Works Dir.
Date:	9/11/2023	**Date:**	9/18/2023

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Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey
Engineer:	Bolton & Menk, Inc.
Contractor:	Meyer Contracting, Inc.
Project:	Lift Station #10 Improvements
Contract:	

Owner's Project No.:	23-11
Engineer's Project No.:	0R1.131248; 0R1.129410
Contractor's Project No.:	
Agency's Project No.:	

Application No.: 2 **Application Period:** From 08/01/23 to 09/01/23 **Application Date:** 09/11/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
					Original Contract								
1	MOBILIZATION	1.00	LUMP SUM	74,062.19	74,062.19	0.25	18,515.55	0.75	55,546.64		55,546.64	75%	18,515.55
2	CLEARING & GRUBBING	1.00	LUMP SUM	5,700.00	5,700.00	-	-	1.00	5,700.00		5,700.00	100%	-
3	REMOVE FENCE	130.00	LIN FT	2.28	296.40	-	-	160.00	364.80		364.80	123%	(68.40)
4	REMOVE CONCRETE SIDEWALK	435.00	SQ FT	0.86	374.10	-	-	-	-		-		374.10
5	DEWATERING	1.00	LUMP SUM	100,000.00	100,000.00	0.50	50,000.00	1.00	100,000.00		100,000.00	100%	-
6	GRANULAR BORROW (CV)	235.00	CU YD	30.00	7,050.00	-	-	-	-		-		7,050.00
7	EXCAVATION - COMMON (EV)	420.00	CU YD	24.68	10,365.60	-	-	-	-		-		10,365.60
8	EXCAVATION - SUBGRADE (EV)	235.00	CU YD	24.00	5,640.00	-	-	-	-		-		5,640.00
9	AGGREGATE BASE (CV) CL 5 MOD	275.00	CU YD	78.81	21,672.75	-	-	-	-		-		21,672.75
10	TYPE SP 9.5 WEARING COURSE MIX (3,C)	162.50	TON	147.06	23,897.25	-	-	-	-		-		23,897.25
11	24" PVC PIPE SEWER C900	210.00	LIN FT	393.25	82,582.50	-	-	160.00	62,920.00		62,920.00	76%	19,662.50
12	AIR RELIEF MANHOLE	1.00	EACH	28,084.15	28,084.15	-	-	0.90	25,275.74		25,275.74	90%	2,808.41
13	CONNECT TO EXISTING SANITARY SEWER	2.00	EACH	7,997.07	15,994.14	-	-	2.00	15,994.14		15,994.14	100%	-
14	SANITARY MANHOLE COATING	26.00	LIN FT	609.09	15,836.34	-	-	26.00	15,836.34		15,836.34	100%	-
15	CLEAN & TELEVISE PIPE SEWER	85.00	LIN FT	16.76	1,424.60	-	-	-	-		-		1,424.60
16	SANITARY FORCEMAIN - DIRECTIONALLY DRILLED	2,440.00	LIN FT	109.30	266,692.00	-	-	2,453.00	268,112.90		268,112.90	101%	(1,420.90)
17	DUCTILE IRON FITTINGS	300.00	POUND	33.31	9,993.00	-	-	296.00	9,859.76		9,859.76	99%	133.24
18	CONNECT TO EXISTING WATER MAIN	1.00	EACH	1,650.25	1,650.25	-	-	1.00	1,650.25		1,650.25	100%	-
19	6" GATE VALVE & BOX	1.00	EACH	3,073.36	3,073.36	-	-	1.00	3,073.36		3,073.36	100%	-
20	HYDRANT	1.00	EACH	8,467.81	8,467.81	-	-	1.00	8,467.81		8,467.81	100%	-
21	6" WATERMAIN DUCTILE IRON CL 53	30.00	LIN FT	123.97	3,719.10	-	-	130.00	16,116.10		16,116.10	433%	(12,397.00)
22	CASTING ASSEMBLY	2.00	EACH	818.93	1,637.86	-	-	-	-		-		1,637.86
23	TEMPORARY CONTROLS	1.00	LUMP SUM	600.00	600.00	-	-	-	-		-		600.00
24	CONSTRUCT TRIPLEX LIFT STATION	1.00	LUMP SUM	645,658.85	645,658.85	-	-	0.70	451,961.20		451,961.20	70%	193,697.65
25	SEAL MANHOLE	2.00	EACH	357.39	714.78	-	-	-	-		-		714.78
26	CONSTRUCT SANITARY SEWER MANHOLE	17.00	LIN FT	679.34	11,548.78	-	-	17.00	11,548.78		11,548.78	100%	-
27	4" CONCRETE WALK	290.00	SQ FT	10.50	3,045.00	-	-	-	-		-		3,045.00
28	6" CONCRETE DRIVEWAY PAVEMENT	150.00	SQ YD	103.00	15,450.00	-	-	-	-		-		15,450.00
29	BOLLARD	8.00	EACH	1,234.51	9,876.08	-	-	-	-		-		9,876.08
30	TRAFFIC CONTROL	1.00	LUMP SUM	1,700.00	1,700.00	-	-	0.75	1,275.00		1,275.00	75%	425.00
31	SILT FENCE; TYPE MS	1,050.00	LIN FT	3.45	3,622.50	-	-	360.00	1,242.00		1,242.00	34%	2,380.50
32	SEDIMENT CONTROL LOG TYPE WOOD FIBER	600.00	LIN FT	5.95	3,570.00	-	-	-	-		-		3,570.00
33	FERTILIZER TYPE 3	600.00	POUND	1.55	930.00	-	-	-	-		-		930.00
34	COMMON TOPSOIL BORROW	200.00	CU YD	47.66	9,532.00	-	-	-	-		-		9,532.00
35	ROLLED EROSION PREVENTION CATEGORY 20	3,560.00	SQ YD	1.99	7,084.40	-	-	-	-		-		7,084.40
36	SEEDING	2.00	ACRE	22,749.57	45,499.14	-	-	-	-		-		45,499.14
37	SEEDING MIXTURE 25-121	200.00	POUND	5.20	1,040.00	-	-	-	-		-		1,040.00
38	HYDRAULIC BONDED FIBER MATRIX	7,000.00	POUND	1.91	13,370.00	-	-	-	-		-		13,370.00
				Original Contract Totals	$ 1,461,454.93		$ 68,515.55		$ 1,054,944.82	$ -	$ 1,054,944.82	72%	$ 406,510.11

EJCDC C-620 Contractor's Application for Payment
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CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Adopt Resolution #23-221 Authorizing Partial Payment #2 to Douglas-Kerr Underground, L.L.C. for Improvement Project #23-12; HY-10 Ramsey Improvements.

Purpose/Background:

Resolution and Pay Request attached.

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends partial payment No. 2 to Douglas-Kerr Underground, LLC. of Mora, Minnesota, for Improvement Project #23-12, HY-10 Ramsey Improvements, in the amount of $480,889.14.

Outcome/Action:

Motion to adopt Resolution #23-221 authorizing partial payment #2 to Douglas-Kerr Underground, L.L.C. for Improvement Project #23-12; HY-10 Ramsey Improvements for $480,889.14.

Attachments

Pay Resolution #23-221

Pay Estimate

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 10:33 AM
Bruce Westby	Bruce Westby	09/21/2023 12:15 PM
Brian Hagen	Brian Hagen	09/21/2023 12:50 PM
Form Started By: Stacie Damjanovich		Started On: 09/18/2023 03:53 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-221

RESOLUTION AUTHORIZING PARTIAL PAYMENT TO DOUGLAS-KERR UNDERGROUND, LLC., OF MORA, MINNESOTA FOR IMPROVEMENT PROJECT #23-12; HY-10 RAMSEY IMPROVEMENTS

WHEREAS, the City of Ramsey proposes to reconstruct the existing segments of Ferret Street, 146th Avenue and 147th Avenue within the HY-10 Ramsey plat; and

WHEREAS, the City proposes to extend Ferret Street to connect to Bunker Lake Boulevard to provide a secondary access route to properties within the HY-10 Ramsey plat; and

WHEREAS, the City proposes to extend sanitary sewer and watermain utilities under 147th Avenue and Ferret Street to allow all properties within the HY-10 Ramsey plat, which is located within the City's MUSA, to be served by municipal utilities; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-349 adopted December 14, 2021, the City Council accepted a design services proposal from Bolton & Menk, Inc. to update the Feasibility Report, prepare plans and specifications, and solicit bids for Improvement Project #23-12; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-054, adopted March 14, 2023, the City Council approved the additional services to be performed by Bolton and Menk to complete plans and specifications, approved the construction services proposal submitted by Bolton and Menk, approved plans and specifications as prepared by Bolton and Menk, and authorized advertising for bids for said improvements; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-078 a contract was awarded to Douglas-Kerr Underground, L.L.C. of Mora, Minnesota, in the amount of $1,398,953.30 for said improvements; and

WHEREAS, as of September 26, 2023 $448,024.16 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends partial payment No. 2 to Douglas-Kerr Underground, LLC. of Mora, Minnesota, for improvement project #23-12, HY-10 Improvements, in the amount of $480,889.14.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The City Council hereby authorizes partial payment No. 2 to Douglas-Kerr Underground, LLC, of Mora, Minnesota for Improvement Project #23-12, HY-10 Improvements in the amount of $480,889.14.

2) The City Council hereby authorizes the Mayor and City Administrator to sign the release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills

for the date of September 26, 2023.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Contractor's Application for Payment

Owner:	City of Ramsey	**Owner's Project No.:**	23-12
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0R1.126299
Contractor:	Douglas-Kerr Underground, LLC	**Agency's Project No.:**	
Project:	HY-10 Ramsey Improvements		
Contract:			
Application No.:	2	**Application Date:**	9/1/2023
Application Period:	From 8/1/2023	to	8/31/2023

1. Original Contract Price	$	1,398,953.30
2. Net change by Change Orders	$	-
3. Current Contract Price (Line 1 + Line 2)	$	1,398,953.30
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	$	977,803.47
5. Retainage		
a. 5% X $ 977,803.47 Work Completed	$	48,890.17
b. X $ - Stored Materials	$	-
c. Total Retainage (Line 5.a + Line 5.b)	$	48,890.17
6. Amount eligible to date (Line 4 - Line 5.c)	$	928,913.30
7. Less previous payments	$	448,024.16
8. **Amount due this application**	$	**480,889.14**
9. Balance to finish, including retainage (Line 3 - Line 4)	$	421,149.83

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor:	Douglas-Kerr Underground, LLC		
Signature:		**Date:**	9-12-23
Name:	Dennis D. Douglas	**Title:**	Manager

Recommended by Engineer		**Approved by Owner**	
By:		**By:**	
Name:	Zach Lingl, PE	**Name:**	Bruce Westby
Title:	Project Manager	**Title:**	City Engineer/Public Works Dir.
Date:	9/1/2023	**Date:**	9/18/2023

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Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey	Owner's Project No.:	23-12
Engineer:	Bolton & Menk, Inc.	Engineer's Project No.:	0R1.126299
Contractor:	Douglas-Kerr Underground, LLC	Contractor's Project No.:	
Project:	HY-10 Ramsey Improvements	Agency's Project No.:	
Contract:			

Application No.: 2 Application Period: From 08/01/23 to 08/31/23 Application Date: 09/01/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
	Original Contract												
1	MOBILIZATION	1.00	LUMP SUM	25,600.00	25,600.00	0.50	12,800.00	0.75	19,200.00		19,200.00	75%	6,400.00
2	CLEARING	43.00	EACH	70.80	3,044.40	43.00	3,044.40	46.00	3,256.80		3,256.80	107%	(212.40)
3	GRUBBING	43.00	EACH	47.20	2,029.60	43.00	2,029.60	46.00	2,171.20		2,171.20	107%	(141.60)
4	CLEARING	0.10	ACRE	2,880.00	288.00	0.10	288.00	0.10	288.00		288.00	100%	-
5	GRUBBING	0.10	ACRE	1,920.00	192.00	0.10	192.00	0.10	192.00		192.00	100%	-
6	PAVEMENT MARKING REMOVAL	1,090.00	LIN FT	0.80	872.00	-	-	-	-		-		872.00
7	SALVAGE MAIL BOX & SUPPORT	1.00	EACH	200.00	200.00	-	-	-	-		-		200.00
8	SALVAGE SIGN	3.00	EACH	50.00	150.00	-	-	-	-		-		150.00
9	REMOVE SIGN	1.00	EACH	50.00	50.00	-	-	2.00	100.00		100.00	200%	(50.00)
10	REMOVE CASTING	2.00	EACH	187.80	375.60	-	-	2.00	375.60		375.60	100%	-
11	REMOVE MISCELLANEOUS STRUCTURE (ABANDONED WELL)	8.00	EACH	70.65	565.20	-	-	8.00	565.20		565.20	100%	-
12	REMOVE SEPTIC SYSTEM	1.00	EACH	1,676.00	1,676.00	-	-	1.00	1,676.00		1,676.00	100%	-
13	REMOVE GATE VALVE & BOX	1.00	EACH	138.60	138.60	-	-	-	-		-		138.60
14	REMOVE PIPE SEWERS	12.00	LIN FT	11.70	140.40	-	-	-	-		-		140.40
15	REMOVE FENCE	230.00	LIN FT	5.65	1,299.50	-	-	230.00	1,299.50		1,299.50	100%	-
16	SAWING BIT PAVEMENT (FULL DEPTH)	940.00	LIN FT	2.90	2,726.00	-	-	306.00	887.40		887.40	33%	1,838.60
17	SAWING CONCRETE PAVEMENT (FULL DEPTH)	390.00	LIN FT	3.60	1,404.00	-	-	272.00	979.20		979.20	70%	424.80
18	REMOVE CURB AND GUTTER	900.00	LIN FT	3.25	2,925.00	-	-	363.00	1,179.75		1,179.75	40%	1,745.25
19	REMOVE BITUMINOUS PAVEMENT	865.00	SQ YD	2.25	1,946.25	-	-	709.22	1,595.75		1,595.75	82%	350.50
20	REMOVE CONCRETE PAVEMENT	840.00	SQ YD	4.25	3,570.00	-	-	483.00	2,052.75		2,052.75	58%	1,517.25
21	DEWATERING	1.00	LUMP SUM	31,619.00	31,619.00	1.00	31,619.00	1.00	31,619.00		31,619.00	100%	-
22	EXCAVATION - COMMON (EV)	2,625.00	CU YD	8.10	21,262.50	-	-	3,035.70	24,589.17		24,589.17	116%	(3,326.67)
23	EXCAVATION - CHANNEL AND POND	4,992.00	CU YD	8.50	42,432.00	3,000.00	25,500.00	3,326.43	28,274.66		28,274.66	67%	14,157.34
24	EXCAVATION - SUBGRADE (EV)	200.00	CU YD	7.15	1,430.00	-	-	-	-		-		1,430.00
25	STABILIZING AGGREGATE (CV)	200.00	CU YD	0.01	2.00	-	-	-	-		-		2.00
26	COMMON EMBANKMENT (CV)	3,131.00	CU YD	5.85	18,316.35	-	-	1,227.20	7,179.12		7,179.12	39%	11,137.23
27	HAUL AND STOCKPILE BITUMINOUS MATERIAL	2,050.00	CU YD	10.95	22,447.50	-	-	1,320.00	14,454.00		14,454.00	64%	7,993.50
28	SUBGRADE PREPARATION	24.00	ROAD ST	151.30	3,631.20	-	-	24.00	3,631.20		3,631.20	100%	-
29	AGGREGATE SURFACING (CV) CLASS 2	20.00	CU YD	80.20	1,604.00	-	-	-	-		-		1,604.00
30	STREET SWEEPER (WITH PICKUP BROOM)	20.00	HOUR	150.00	3,000.00	2.50	375.00	4.50	675.00		675.00	23%	2,325.00
31	AGGREGATE BASE (CV) CLASS 5 MODIFIED	820.00	CU YD	29.50	24,190.00	-	-	1,176.55	34,708.23		34,708.23	143%	(10,518.23)
32	AGGREGATE BASE (CV) FROM STOCKPILE	2,050.00	CU YD	4.60	9,430.00	-	-	777.80	3,577.88		3,577.88	38%	5,852.12
33	FULL DEPTH RECLAMATION (10")	7,350.00	SQ YD	2.05	15,067.50	7,350.00	15,067.50	7,452.80	15,278.24		15,278.24	101%	(210.74)
34	BITUMINOUS PATCH SPECIAL (DRIVEWAY)	20.00	SQ YD	66.65	1,333.00	-	-	-	-		-		1,333.00
35	TYPE SP 9.5 WEARING COURSE MIX (3,C)	1,160.00	TON	84.50	98,020.00	-	-	-	-		-		98,020.00
36	TYPE SP 12.5 WEARING COURSE MIX (3,C)	120.00	TON	112.60	13,512.00	-	-	-	-		-		13,512.00

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Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey	Owner's Project No.:	23-12
Engineer:	Bolton & Menk, Inc.	Engineer's Project No.:	0R1.126299
Contractor:	Douglas-Kerr Underground, LLC	Contractor's Project No.:	
Project:	HY-10 Ramsey Improvements	Agency's Project No.:	
Contract:			

Application No.: 2 Application Period: From 08/01/23 to 08/31/23 Application Date: 09/01/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
37	TYPE SP 12.5 NON WEARING COURSE MIX (3,C)	1,460.00	TON	81.40	118,844.00	61.37	4,995.90	61.37	4,995.90		4,995.90	4%	113,848.10
38	22" SPAN RC PIPE-ARCH APRON	2.00	EACH	1,674.00	3,348.00	-	-	2.00	3,348.00		3,348.00	100%	-
39	15" RC PIPE APRON	1.00	EACH	1,339.00	1,339.00	-	-	1.00	1,339.00		1,339.00	100%	-
40	18" RC PIPE APRON	2.00	EACH	1,573.00	3,146.00	-	-	2.00	3,146.00		3,146.00	100%	-
41	27" RC PIPE APRON	1.00	EACH	1,900.00	1,900.00	-	-	1.00	1,900.00		1,900.00	100%	-
42	TRASH GUARD FOR 15" PIPE APRON	1.00	EACH	913.55	913.55	-	-	1.00	913.55		913.55	100%	-
43	TRASH GUARD FOR 18" PIPE APRON	2.00	EACH	1,031.00	2,062.00	-	-	2.00	2,062.00		2,062.00	100%	-
44	TRASH GUARD FOR 27" PIPE APRON	1.00	EACH	2,332.00	2,332.00	-	-	1.00	2,332.00		2,332.00	100%	-
45	TRASH GUARD FOR 22" SPAN PIPE APRON	2.00	EACH	1,213.00	2,426.00	-	-	2.00	2,426.00		2,426.00	100%	-
46	22" SPAN RC PIPE-ARCH CULV CL IVA	83.00	LIN FT	115.25	9,565.75	-	-	83.00	9,565.75		9,565.75	100%	-
47	15" RC PIPE SEWER DESIGN 3006 CLASS V	610.00	LIN FT	61.45	37,484.50	-	-	613.00	37,668.85		37,668.85	100%	(184.35)
48	18" RC PIPE SEWER DESIGN 3006 CLASS V	50.00	LIN FT	64.45	3,222.50	-	-	51.00	3,286.95		3,286.95	102%	(64.45)
49	24" RC PIPE SEWER DESIGN 3006 CLASS III	750.00	LIN FT	81.85	61,387.50	-	-	753.00	61,633.05		61,633.05	100%	(245.55)
50	27" RC PIPE SEWER DESIGN 3006 CLASS III	165.00	LIN FT	109.75	18,108.75	-	-	165.00	18,108.75		18,108.75	100%	-
51	8" PVC PIPE SEWER	1,831.00	LIN FT	36.40	66,648.40	784.00	28,537.60	1,812.00	65,956.80		65,956.80	99%	691.60
52	8" PIPE PLUG	12.00	EACH	385.05	4,620.60	4.00	1,540.20	11.00	4,235.55		4,235.55	92%	385.05
53	CONNECT TO EXISTING SANITARY SEWER (CORE & BOOT)	1.00	EACH	2,389.00	2,389.00	1.00	2,389.00	1.00	2,389.00		2,389.00	100%	-
54	CLEAN & TELEVISE PIPE SEWER	1,831.00	LIN FT	1.45	2,654.95	-	-	-	-		-		2,654.95
55	4" INSULATION	385.00	SQ YD	33.95	13,070.75	201.50	6,840.93	364.70	12,381.57		12,381.57	95%	689.18
56	CONNECT TO EXISTING WATER MAIN	3.00	EACH	886.75	2,660.25	3.00	2,660.25	4.00	3,547.00		3,547.00	133%	(886.75)
57	6" GATE VALVE & BOX	6.00	EACH	2,603.00	15,618.00	5.00	13,015.00	5.00	13,015.00		13,015.00	83%	2,603.00
58	8" GATE VALVE & BOX	11.00	EACH	3,797.00	41,767.00	6.00	22,782.00	11.00	41,767.00		41,767.00	100%	-
59	12" GATE VALVE & BOX	5.00	EACH	5,883.00	29,415.00	4.00	23,532.00	5.00	29,415.00		29,415.00	100%	-
60	16"X12" WET TAP	1.00	EACH	8,888.00	8,888.00	1.00	8,888.00	1.00	8,888.00		8,888.00	100%	-
61	HYDRANT	6.00	EACH	5,707.00	34,242.00	5.00	28,535.00	5.00	28,535.00		28,535.00	83%	5,707.00
62	RELOCATE HYDRANT	1.00	EACH	2,322.00	2,322.00	1.00	2,322.00	1.00	2,322.00		2,322.00	100%	-
63	6" WATERMAIN DUCTILE IRON CL 53	95.00	LIN FT	65.50	6,222.50	94.00	6,157.00	94.00	6,157.00		6,157.00	99%	65.50
64	8" WATERMAIN DUCTILE IRON CL 52	355.00	LIN FT	73.10	25,950.50	231.00	16,886.10	352.00	25,731.20		25,731.20	99%	219.30
65	12" WATERMAIN DUCTILE IRON CL 52	1,865.00	LIN FT	86.75	161,788.75	2,020.00	175,235.00	2,020.00	175,235.00		175,235.00	108%	(13,446.25)
66	WATERMAIN FITTINGS	2,900.00	POUND	10.20	29,580.00	3,159.00	32,221.80	3,289.00	33,547.80		33,547.80	113%	(3,967.80)
67	CASTING ASSEMBLY (SANITARY SEWER)	7.00	EACH	1,781.00	12,467.00	-	-	-	-		-		12,467.00
68	CASTING ASSEMBLY (STORM SEWER)	15.00	EACH	1,162.00	17,430.00	-	-	-	-		-		17,430.00
69	ADJUST FRAME & RING CASTING	1.00	EACH	1,526.00	1,526.00	-	-	-	-		-		1,526.00
70	CONSTRUCT SANITARY SEWER MANHOLE	62.00	LIN FT	508.65	31,536.30	-	-	60.60	30,824.19		30,824.19	98%	712.11
71	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPEC 1 (2'X3')	12.00	LIN FT	537.90	6,454.80	-	-	12.00	6,454.80		6,454.80	100%	-
72	CONSTRUCT DRAINAGE STRUCTURE DES 48-4020	19.00	LIN FT	739.45	14,049.55	-	-	22.92	16,948.19		16,948.19	121%	(2,898.64)
73	CONSTRUCT DRAINAGE STRUCTURE DES 60-4020	29.00	LIN FT	927.90	26,909.10	-	-	32.71	30,351.61		30,351.61	113%	(3,442.51)

EJCDC C-620 Contractor's Application for Payment
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Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey
Engineer:	Bolton & Menk, Inc.
Contractor:	Douglas-Kerr Underground, LLC
Project:	HY-10 Ramsey Improvements
Contract:	
Owner's Project No.:	23-12
Engineer's Project No.:	0R1.126299
Contractor's Project No.:	
Agency's Project No.:	

Application No.: 2 Application Period: From 08/01/23 to 08/31/23 Application Date: 09/01/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
74	RANDOM RIPRAP CL III	40.00	CU YD	121.45	4,858.00	-	-	31.04	3,769.81		3,769.81	78%	1,088.19
75	SEAL MANHOLE	7.00	EACH	171.40	1,199.80	-	-	-	-		-		1,199.80
76	4" CONCRETE WALK	4,450.00	SQ FT	5.05	22,472.50	-	-	-	-		-		22,472.50
77	6" CONCRETE WALK	130.00	SQ FT	15.30	1,989.00	-	-	-	-		-		1,989.00
78	CONCRETE CURB AND GUTTER DESIGN B612	55.00	LIN FT	29.50	1,622.50	-	-	-	-		-		1,622.50
79	CONCRETE CURB AND GUTTER DESIGN B618	4,230.00	LIN FT	18.00	76,140.00	-	-	3,749.00	67,482.00		67,482.00	89%	8,658.00
80	4" CONCRETE MEDIAN	180.00	SQ YD	48.80	8,784.00	-	-	-	-		-		8,784.00
81	8" CONCRETE DRIVEWAY PAVEMENT	390.00	SQ YD	76.45	29,815.50	-	-	129.55	9,904.10		9,904.10	33%	19,911.40
82	CONCRETE MEDIAN NOSE-SPECIAL	1.00	EACH	450.00	450.00	-	-	1.00	450.00		450.00	100%	-
83	TRUNCATED DOMES	30.00	SQ FT	65.00	1,950.00	-	-	-	-		-		1,950.00
84	INSTALL MAIL BOX & SUPPORT	1.00	EACH	200.00	200.00	-	-	-	-		-		200.00
85	TRAFFIC CONTROL	1.00	LUMP SUM	2,800.00	2,800.00	0.50	1,400.00	0.75	2,100.00		2,100.00	75%	700.00
86	CONIFEROUS TREE 6' HT B&B	9.00	EACH	525.00	4,725.00	-	-	-	-		-		4,725.00
87	TEMPORARY FENCE	1,900.00	LIN FT	1.75	3,325.00	1,360.00	2,380.00	1,360.00	2,380.00		2,380.00	72%	945.00
88	STABILIZED CONSTRUCTION EXIT	1.00	LUMP SUM	1,237.00	1,237.00	-	-	-	-		-		1,237.00
89	STORM DRAIN INLET PROTECTION	12.00	EACH	123.70	1,484.40	3.00	371.10	12.00	1,484.40		1,484.40	100%	-
90	SEDIMENT CONTROL LOG TYPE WOOD FIBER	1,000.00	LIN FT	2.55	2,550.00	-	-	-	-		-		2,550.00
91	FERTILIZER TYPE 3	1,080.00	POUND	0.80	864.00	-	-	-	-		-		864.00
92	COMMON TOPSOIL BORROW	500.00	CU YD	27.25	13,625.00	-	-	-	-		-		13,625.00
93	ROLLED EROSION PREVENTION CATEGORY 20	6,890.00	SQ YD	1.40	9,646.00	-	-	-	-		-		9,646.00
94	SEEDING	3.60	ACRE	325.00	1,170.00	-	-	-	-		-		1,170.00
95	RAPID STABILIZATION METHOD 2	1.00	ACRE	2,500.00	2,500.00	-	-	-	-		-		2,500.00
96	SEED MIXTURE 25-121	340.00	POUND	4.75	1,615.00	-	-	-	-		-		1,615.00
97	SEED MIXTURE 35-241	200.00	POUND	15.35	3,070.00	-	-	-	-		-		3,070.00
98	HYDRAULIC BONDED FIBER MATRIX	12,600.00	POUND	0.95	11,970.00	-	-	-	-		-		11,970.00
99	4" SOLID LINE MULTI COMP	2,440.00	LIN FT	0.50	1,220.00	-	-	-	-		-		1,220.00
100	4" DOUBLE SOLID LINE MULTI COMP	2,190.00	LIN FT	1.00	2,190.00	-	-	-	-		-		2,190.00
101	24" SOLID LINE MULTI COMP	200.00	LIN FT	8.00	1,600.00	-	-	-	-		-		1,600.00
102	CROSSWALK MULTI COMP	130.00	SQ FT	6.00	780.00	-	-	-	-		-		780.00
103	PAVEMENT MESSAGE MULTI COMP	220.00	SQ FT	10.55	2,321.00	-	-	-	-		-		2,321.00
				Original Contract Totals	$ 1,398,953.30		$ 471,604.38		$ 977,803.47	$ -	$ 977,803.47	70%	$ 421,149.83

EJCDC C-620 Contractor's Application for Payment
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CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Promote economic growth and development.

Information

Title

Adopt Resolution #23-222 approving a development agreement for Nolby BC LLC (dba Jam Hops).

Purpose/Background:

On September 12, the City Council approved the site plan review for the Jam Hops gymnastics training facility project at 14200 Limonite St. NW. The requested action is to approve the development agreement for the approved plans. This is the last step of Council actions before the business can close on the property and apply for building permits to construct the building.

The development agreement is standard in its form with one thing of note: the City will be sharing in the cost of reconstructing Limonite Street to an urban roadway design. City costs of the roadway improvements will come from the sale proceeds of the land.

Notification:

None required.

Observations/Alternatives:

Alternatives to consider:

1. Approve the development agreement as proposed.
2. Approve the development agreement with any changes the Council sees appropriate.
3. Deny the development agreement based on certain findings.

Funding Source:

The City's share of the roadway and utility improvements will come from the sale proceeds of the property.

Recommendation:

Staff recommends approval of the development agreement.

Action:

Motion to adopt Resolution #23-222 approving the development agreement for Nolby BC LLC (dba Jam Hops).

Attachments

Action - Resolution #23-222

Development Agreement

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 10:53 AM
Form Started By: Todd Larson		Started On: 09/14/2023 10:05 AM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-222

A RESOLUTION APPROVING THE DEVELOPMENT AGREEMENT FOR NOLBY BC LLC (JAM HOPS)

RECITALS

1. Nolby BC LLC (dba Jam Hops), hereinafter referred to as the "**Permittee**" has properly applied for site plan review approval on the property legally described as follows:

   All that part of the West 31 rods of the Southwest Quarter of the Southwest Quarter of Section 27, Township 32, Range 25, Anoka County, Minnesota, described as follows: Commencing at a point on the West line thereof, distant 335.51 feet South from the Northwest corner thereof, as measured along said West line; thence South along said West line a distance of 335.51 feet, more or less, to its intersection with the Northerly right of way line of Northern Pacific Railway; thence Southeasterly along said Northerly right of way line to its intersection with the East line of said West 31 rods; thence North along said East line thereof a distance of 448.92 feet, more or less, to a point on said East line thereof distant 448.92 feet South from the Northeast corner of said West 31 rods as measured along said East line thereof; thence Northwesterly in a straight line to the point of beginning. Anoka County, Minnesota. Abstract Property

   ("**Subject Property**")

2. That the City of Ramsey is the fee owner of the **Subject Property** with the intent to sell it to the **Permittee** for the purpose of constructing a gymnastic training facility.

3. That the City Council reviewed and approved the Site Plan for the gymnastics training facility on September 12, 2023.

4. That the **Permittee** has now supplied the cost estimate for the site improvements, which is needed to draft the Development Agreement.

5. That the City Council reviewed the Development Agreement on September 26, 2023.

NOW THEREFORE, BE IT RESOLVED BY THIS CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

That the Ramsey City Council hereby grants approval of the Development Agreement and authorizes the Mayor and City Administrator to sign that document.

NOLBY BC LLC (dba JAM HOPS)
DEVELOPMENT AGREEMENT
CITY OF RAMSEY, ANOKA COUNTY, MINNESOTA

This Agreement (hereinafter the "Agreement") is dated as of this 26th day of September, 2023, and is by and between the City of Ramsey, a Minnesota municipal corporation (the "**CITY**") and **NOLBY BC LLC**, a limited liability corporation under the laws of Minnesota, (the "**PERMITTEE**").

Recitals

A. The **PERMITTEE** is the fee title owner of land generally known as 14200 Limonite Street Northwest, Ramsey, MN 55303 and legally described as:

All that part of the West 31 rods of the Southwest Quarter of the Southwest Quarter of Section 27, Township 32, Range 25, Anoka County, Minnesota, described as follows: Commencing at a point on the West line thereof, distant 335.51 feet South from the Northwest corner thereof, as measured along said West line; thence South along said West line a distance of 335.51 feet, more or less, to its intersection with the Northerly right of way line of Northern Pacific Railway; thence Southeasterly along said Northerly right of way line to its intersection with the East line of said West 31 rods; thence North along said East line thereof a distance of 448.92 feet, more or less, to a point on said East line thereof distant 448.92 feet South from the Northeast corner of said West 31 rods as measured along said East line thereof; thence Northwesterly in a straight line to the point of beginning. Anoka County, Minnesota. Abstract Property

(the "Subject Property")

B. That on July 17, 2023, the **CITY** received a Site Plan Application from Kinghorn Construction on behalf of the **PERMITTEE**, proposing to construct a gymnastic training facility to operate on the **Subject Property**, and associated site improvements (cumulatively, the "New Building").

C. That on September 12, 2023, the City Council approved the Site Plan for the proposed New Building.

D. The **PERMITTEE** intends to cause the Required Improvements to the **Subject Property** to be constructed without financial participation by the **CITY.**

Agreement

SECTION I
REQUIRED IMPROVEMENTS AND FINANCIAL RESPONSIBILITIES

1. **City Code Compliance.** The **CITY** approves the site plan (the "Site Plan") conditioned on the **PERMITTEE** developing the **Subject Property** in accordance with the applicable provisions of City Code**.**

2. **Conformance with the Plans**. The **Subject Property** and **Limonite Street** shall be developed in accordance with the plans (the "Plans") prepared by Hakanson Anderson, dated July 17, 2023, and revised August 30, 2023. The **Plans** remain subject to: (a) City Staff's review and approval of the **Plans** to, among other things, confirm that the revisions requested in the **CITY's** review have been made; and (b) such further revisions as the **PERMITTEE** may propose and the **CITY** approves. The **Plans** shall not be attached to this **Agreement**, but are in the **CITY's** files.

3. **Incorporation of All City Code Requirements**. That the recitals above and the applicable provisions of the City Charter and Code of the **CITY**, as amended to date hereof, are incorporated herein by reference.

4. **State Building Code Compliance**. The structure shall be constructed in accordance with the requirements of the Building Code.

5. **Fire Lanes.** Fire lanes shall be maintained on the **Subject Property**. The exact locations of these items on the **Subject Property** shall be as directed by the Fire Chief. The **PERMITTEE** herein agrees to post "No Parking" signs along private drives in accordance with City Code requirements and in conjunction with the instructions of the Fire Chief.

6. **Required Site Improvements (on site).** The **PERMITTEE** shall construct and install the following site improvements on the **Subject Property** in accordance with the specifications and location as shown on the **Plans.** The Required Improvements and the allocated costs therefor are as follows:

   A. Grading, Drainage, and Erosion Control
   B. Site Utilities
   C. Landscaping and Ground Cover
   D. Parking lots, curbing, and walkways

   ("Required Site Improvements")

   The **PERMITTEE** agrees to construct the **Required Site Improvements** according to the terms and conditions of this **Agreement**, in accordance with the **Plans**, and in compliance with Staff review comments.

7. **Required Street Improvements (Limonite Street).** The **PERMITTEE** shall construct and install the following street improvements on **Limonite Street** in accordance with the specifications and

location as shown on the **Plans.** The Required Improvements and the allocated costs therefor are as follows:

A. Water main
B. Sanitary Sewer
C. Storm Sewer
D. Concrete curb and gutter
E. Bituminous pavement
F. Appropriate signage and striping
G. Boulevard restoration

("Required Street Improvements")

The **PERMITTEE** agrees to construct the **Required Street Improvements** according to the terms and conditions of this **Agreement**, in accordance with the **Plans**, and in compliance with Staff review comments.

8. **Required Site and Street Improvements Completion Date**. The **Required Improvements** shall be completed within twenty-four (24) months from the date of Site Plan approval for the New Building, subject to Unavoidable Delays. For the purposes of this Agreement, Unavoidable Delays means delays, outside the control of the party claiming its occurrence, which are the result of strikes, other labor troubles, unusually severe or prolonged bad weather, acts of God, global pandemic, epidemic, fire or other casualty to the Project, litigation commenced by third parties which, by injunction or other similar judicial action or by the exercise of reasonable discretion, results in delays, or acts of any federal, state or local governmental unit other than the **CITY**.

9. **Required Site and Street Improvements Financial Guaranty**. In order to ensure the installation of the **Required Site Improvements** in accordance with **CITY** specifications and in a timely manner, the **PERMITTEE** shall be required to deposit with the **CITY** a cash escrow or an irrevocable letter of credit, approved as to form by the **CITY**, in the amount of **$923,641.00**, which is 125% of the estimated cost of the **Required Site Improvements** and the **PERMITTEE's** portion of the **Limonite Street NW Improvements**. Prior to the issuance of the building permit, the financial guaranty must be provided as required herein.

   At the request of **PERMITTEE**, the **CITY** shall, not more frequently that once monthly, release that part of the Financial Guaranty for any completed portion of the Required Improvements in the amount set forth in Section 6 that have been accepted in writing by the **CITY**. Upon completion of the construction of all or any remaining of the **Required Site Improvements** and written acceptance by the **CITY**, the financial guaranty shall be returned to the **PERMITTEE** and the **PERMITTEE** shall be required to provide the landscaping maintenance guaranty described in Section III Paragraph 11 of this **Agreement**. The determination of completion of the construction of the **Required Site Improvements** shall be made by the **CITY**. In the event the **PERMITTEE** fails to construct and install the **Required Site Improvements** as required herein, the City Council may order the completion of the **Required Site Improvements** with **CITY** day labor and/or by letting contracts for said completion and draw upon the escrow for payment. Only the City Council shall have the authority to direct completion of the **Required Site Improvements** and withdraw from the escrow account. The **PERMITTEE** hereby grants permission and a license to the **CITY** and/or its contractors and assigns to enter upon the **Subject Property** for the purpose of completing the construction and installation of the **Required Site Improvements** in the event of the **PERMITTEE's** default.

10. **Site Inspection Fees.** The **PERMITTEE** shall be responsible for all site inspection costs incurred by the **CITY** related to the installation of **Required Improvements**. The **PERMITTEE** shall make a cash deposit into the appropriate escrow account at the **CITY** and the **CITY** shall have the authority to draw upon these funds for the purpose of compensating for inspection services. The amount of the deposit shall be equal to five percent (5%) of the estimated cost of the **Required Improvements**, which equates to **Thirty-One Thousand Seventy-Eight Dollars and No Cents (\$31,078.00)** (5% x \$621,555.00). Upon completion of the **Required Improvements** to the satisfaction of the **CITY**, any surplus balance remaining in the **CITY's** escrow account shall be refunded to the **PERMITTEE**.

11. **Storm Water Management Fee.** The **PERMITTEE** is responsible for satisfying applicable Storm Water Management Fee requirements for the Subject Property. **PERMITTEE** must pay a Storm Water Management Fee of **\$22,029.00** (4.14 acres x \$5,321.00 per acre).

12. **Sanitary Sewer Connection (Trunk) Fees.** The **PERMITTEE** is responsible for satisfying applicable Sanitary Sewer Trunk Fee requirements for the Subject Property. **PERMITTEE** must pay a Sanitary Sewer Trunk Fee of **\$16,821.00** (4.14 acres x \$4,063.00 per acre).

13. **Water Connection (Trunk) Fees.** The **PERMITTEE** is responsible for satisfying applicable Water Trunk Fee requirements with the Subject Property. **PERMITTEE** must pay a Water Trunk Fee of **\$30,400.00** (4.14 acres x \$7,343.00 per acre).

14. **Cost Share for Limonite Street NW Improvements.** The **PERMITTEE** and the **CITY** have agreed to pay for the improvements to Limonite Street NW jointly. Public utility extensions from the north to the connection points with the service lines shall be paid completely by the **PERMITTEE**. The CITY will pay for the continuation of the Sanitary Sewer and Water Main to 142nd Avenue NW. Costs associated with the roadway, including the Storm Sewer, shall be split equally between the **PERMITTEE** and the **CITY**.

    The **PERMITTEE's** engineer's estimates (totals) for the street and utility work are as follows:

	PERMITTEE	**CITY**	**Total**
Sanitary Sewer and Water Main	\$39,464 (47.72%)	\$43,230 (52.28%)	\$82,694
Street and Storm Sewer	\$77,894 (50%)	\$77,894 (50%)	\$155,788

    The **PERMITTEE** shall present the City Engineer detailed invoices for the work that has been completed for review and payment according to the amounts shown in the estimate. In the event the actual costs differ from the estimates, the cost split shall be based on the percentages shown in the table above.

SECTION II
PERMITS AND OCCUPANCY

15. **Requirements for Building Permit.**

    a. No building permit shall be issued until the **PERMITTEE** has: (a) installed a Class 5 driving surface to within 300 feet of the structure for access and public safety purposes; (b) provided

the **CITY** Building Official with a Certificate of Survey; (c) the financial guaranty described in Section I Paragraph 9 to the **CITY**; and (d) obtained all necessary permits from the Lower Rum River Watershed Management Organization and has provided a copy of such permit to the **CITY**, if applicable**;** and

b. No occupancy permit shall be issued until the **PERMITTEE** has: (a) constructed vehicular access into the lot, including the installation of at least one layer of bituminous surfacing; and (b) constructed all utilities and storm water facilities this **Agreement** requires to serve the Subject Property and such utilities and storm water facilities are in place, operational and accepted by the **CITY.**

SECTION III
ON-SITE LANDSCAPING

16. **Maintenance Guaranty for Landscaping**. It is herein agreed that the **PERMITTEE** shall provide a maintenance guaranty to ensure the survival of the plantings. Said maintenance guaranty shall consist of cash or an irrevocable letter of credit, approved as to form by the **CITY**, in the amount of **$7,605.00** [# plantings (43 trees and 166 shrubs) x cost/planting ($300/tree and $75/shrub) x 30% average non-survival rate], which shall be in effect for a two (2) year period commencing on the date of the **CITY's** written acceptance of said plantings as part of the **Required Site Improvements**.

    At the end of the two (2) year period, the **PERMITTEE** shall contact the **CITY** to schedule a final inspection of the landscaping. The determination that all plantings that have been planted in accordance with the **Plans** have either survived or have been replaced shall be made by the **CITY**. Upon approval of the final landscape inspection by the **CITY,** the maintenance guaranty shall be returned to the **PERMITTEE**. In the event the **PERMITTEE** fails to maintain the required plantings for a two (2) year period, the City Council may order the replacement of plantings with **CITY** day labor and/or by letting contracts and draw upon the escrow for payment. Only the City Council shall have the authority to direct replacement of the plantings and withdraw from the escrow account. The **PERMITTEE** hereby grants permission and a license to the **CITY** and/or its contractors and assigns to enter upon the **Subject Property** for the purpose of replacing plantings in the event of the **PERMITTEE** default.

SECTION IV
GENERAL

17. **Boulevard and Area Restoration**. The **PERMITTEE** shall be responsible for restoring all areas disturbed by the development grading operation in accordance with the approved erosion and sediment control plan. The **PERMITTEE** shall also be responsible for the cost of cleaning any soil, earth or debris from the wetlands within and adjacent to the **Subject Property** resulting from grading performed in the development of the land.

18. **Construction Site Maintenance**. The **PERMITTEE** shall adhere to all **CITY** ordinances relating to, but not limited to, dumping of garbage, site development, construction debris, open burning, etc.

19. **Construction, Hours and Entrance Signs**. The **CITY** restricts construction and delivery hours to Monday through Saturday 7:00 a.m. to 10:00 p.m. The **PERMITTEE** is required to provide a sign at each entrance point stating delivery and construction operation hours. Said signs are not to

exceed eighty (80) square feet in size and must be clearly visible at all times during the construction period.

20. **Limonite Street As-Built Plans**. The PERMITTEE shall provide the City with as-built plans in paper and CAD formats within 60 days of completing the roadway.

21. **Estimated Cost**. It is understood and agreed that cost amounts set forth in this **Agreement** as **Required Site and Street Improvements**, unless specified as fixed amounts, are estimated provided by the PERMITTEE's engineer. The **PERMITTEE** agrees to pay the entire cost of said improvements including interest, engineering and legal charges.

22. **Site Plan Approval Expenses**. The **PERMITTEE** agrees that it will pay to the **CITY** all **CITY** expenses incurred in the approval of the **Site Plan**, including, but not limited to administration expenses, engineering and legal fees. Said expenses shall be paid within fifteen (15) days of billing by the **CITY** and outstanding billings shall be paid prior to issuance of the building permit. Any expenses incurred after the release of the building permit shall also be paid within said fifteen (15) day billing period. Failure to pay the **CITY's** expenses within the fifteen (15) day billing period will permit the **CITY** to draw upon any of the escrows required by this contract for payment.

23. **Reimbursement to the City**. The **PERMITTEE** agrees to reimburse the **CITY** for all costs incurred by the **CITY** in defense or enforcement of this **Agreement**, or any portion thereof, including court costs and reasonable engineering and attorney's fees.

24. **Invalidity of Any Section**. If any portion, section, subsection, sentence, clause, paragraph or phrase of this **Agreement** is for any reason held to be invalid by a court of competent jurisdiction, such decision shall not affect or void any of the other provisions of this **Agreement**.

25. **Proof of Authority**. When the **PERMITTEE** is a corporation, the **CITY** requires proof of authority by the corporation to execute this **Agreement**. This proof of authority may be satisfied by providing the **CITY** with a certified copy of minutes of the corporate Board of Directors granting such authority.

26. **Violation of This Permit**. If the **PERMITTEE** fails to perform any of the terms of this **Agreement** in the manner required by the **CITY**, the **CITY** shall be entitled to recover, from the **PERMITTEE** or the issuer of **PERMITTEE** financial guarantee, the full amount of any and all financial guarantees. Breach of any of the terms of this **Agreement** by the **PERMITTEE** shall also be grounds for denial of Building Permit or issuance of Certificate of Occupancy.

27. **Certificate of Occupancy**. The term "Certificate of Occupancy" as used in this **Agreement** shall be defined as a document issued by the **CITY's** Building Official, which authorizes the structure to be used for its intended purposes.

28. **Agreement Binding on Successors and Assigns**. The **PERMITTEE** agrees that this **Agreement** shall be binding upon its successors and assigns.

29. **Notices**. Required notices shall be in writing, and shall be either hand delivered to the Parties, its employees or agents, or mailed to them by certified or registered mail at the following address:

TO PERMITTEE:
Nolby BC LLC
Attn: Brenda Nolby, President
15423 Jackson Street NE
Ham Lake, MN 55304

TO THE CITY:
City of Ramsey
Attn: Community Development Director
7550 Sunwood Drive NW
Ramsey, MN 55303

[The rest of this page left intentionally blank]

THE PERMITTEE:

Nolby BC LLC

By:_____
Brenda Nolby

Its: President

STATE OF MINNESOTA)
)ss.
COUNTY OF _____)

The foregoing instrument was acknowledged before me this _____ day of _____, 2023, by Brenda Nolby, the President of Nolby BC LLC, a limited liability company, under the laws of the State of Minnesota on behalf of the company.

_____
Notary Public

THE CITY:

CITY OF RAMSEY

By:_____
Mark E. Kuzma
Its: Mayor

By:_____
Brian Hagen
Its: City Administrator

STATE OF MINNESOTA)
)ss.
COUNTY OF ANOKA)

The forgoing instrument was acknowledged before me on this_____ day of_____ 2023, by Mark E. Kuzma and Brian Hagen, the Mayor and the City Administrator of the City of Ramsey, a charter city and municipal corporation organized under the laws of the state of Minnesota on behalf of the City.

_____

Notary Public

This document drafted by:
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

This document reviewed by:
HKB Law, P.A.
413 Wacouta Street, Suite 550
St. Paul, MN 55101

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Promote economic growth and development.

Information

Title

~~Adopt Resolution #23-223 approving the Haviland Fields EAW, Findings of Fact, and Record of Decision~~.
Please Note: this Consent case was moved to the regular agenda - Case 7.4.

Purpose/Background:

As part of the proposed Haviland Fields multi-family and townhome development on excess land at Lord of Life Church (14501 Nowthen Blvd. NW), an Environmental Assessment Worksheet (EAW) is required. An EAW is a required planning tool for larger projects that is used to assess the environmental impacts of the project. In a suburban setting, these impacts are generally related to traffic, but they also look at natural resources like vegetation, wildlife, and waterbodies. The developer takes the information gathered in the EAW and prepares more detailed plans for a typical city development review process accordingly. Approval of an EAW is an acknowledgement by the City Council that the analysis reviewed all of the required components properly and provided any mitigation plan (if needed)--it is not an approval of the project nor does it provide any standing for future approval steps. Alternatively, the City Council could find that the impacts noted are great enough to warrant a more in-depth review called an Environmental Impact Statement (EIS).

The typical process of sending out a "draft" EAW for public review is to gather input from residents as well as a list of required State agencies to make sure the analysis covered the required topics and that the analysis did not miss anything. Comments were received after the 30-day review period from some of the State agencies and some residents noting questions and providing input on the document. Those comments and questions were reviewed and applicable updates were made to the "final" EAW (attached). A list of those letters and written responses are provided.

The EAW did note increased traffic in the area as a result of the project, though it noted that the existing area roadway system has the capacity to support the proposed development. It also noted the removal of several trees, though this activity is not prohibited (the City's tree planting and replacement rules will be reviewed with the development plans in the future). It also noted that the site included wetlands which could be the home of the Blanding's turtle, a threatened species in Minnesota, and will require construction techniques to safeguard the turtle.

A comment from the Metropolitan Council noted that this project, if approved, would put the City's overall density back into compliance with their Housing Policy Plan and Livable Communities Act.

Some of the comments received were from neighbors dissatisfied with the project in general. Though the comments are not directed towards the EAW, they are included nonetheless.

For the project to move forward, a development application will need to be made. This application will include a Comprehensive Plan Amendment for the increased density, rezoning from the current R-1 MUSA-80/R-2/R-3 configuration to either a PUD or a mix of R-2/R-3/and a Public/Quasi-Public district, plat, and site plan review. This summer, the City Council denied a request for TIF assistance on the project. The developer is working on alternative financing strategies for the project and will determine if they want to make the development application (the EAW process was already in motion when the financing request was made).

Notification:

Public notification for the availability of the EAW was noticed in the Environmental Quality Board's *EQB Monitor* on August 1, 2023. A press release (attached) was provided to local media per State rules. City staff mailed a copy of the press release to properties within 700 feet (the same distance used for plat notification since the project will eventually include a plat). A social media blast was also conducted on the City's pages.

A web page on the City's website was created to share the draft EAW with the public (https://www.ci.ramsey.mn.us/989/Haviland-Fields). A paper copy was placed in the City Hall lobby as well.

Observations/Alternatives:

Alternatives to Consider:

1. Approve the EAW, Findings of Fact, and Record of Decision as presented.
2. Find that the EAW was not sufficient and order an Environmental Impact Statement. Specific items of concern must be noted.
3. Continue the EAW to a future meeting to modify certain sections or responses to comments.

Note: Denial of the EAW is not a valid option for this type of request.

Funding Source:

All costs associated with the EAW preparation and review are the responsibility of the developer, Presbyterian Homes (Senior Housing Partners).

Recommendation:

Staff recommends approval of the Haviland Fields EAW, Findings of Fact, and Record of Decision.

Action:

Motion to adopt Resolution #23-223 approving the Haviland Fields EAW, Findings of Fact, and Record of Decision.

Attachments

EAW Document

Resolution #23-223

Exhibit A: Findings of Fact and Record of Decision

Press Release

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:07 AM
Form Started By: Todd Larson		Started On: 09/14/2023 10:41 AM
Final Approval Date: 09/21/2023		

Haviland Fields

Environmental Assessment Worksheet

September 2023

Prepared For:

SENIOR HOUSING PARTNERS

BKV GROUP

Prepared by:

Kimley»Horn

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December 2022 Version

Environmental Assessment Worksheet

This most recent Environmental Assessment Worksheet (EAW) form and guidance documents are available at the Environmental Quality Board's (EQB's) website at: https://www.eqb.state.mn.us. The EAW form provides information about a project that may have the potential for significant environmental effects. Guidance documents provide additional detail and links to resources for completing the EAW form.

Cumulative potential effects can either be addressed under each applicable EAW Item or can be addressed collectively under EAW Item 21.

Note to reviewers: Comments must be submitted to the RGU during the 30-day comment period following notice of the EAW in the *EQB Monitor*. Comments should address the accuracy and completeness of information, potential impacts that warrant further investigation, and the need for an EIS.

1. Project Title

Haviland Fields

2. Proposer

Proposer: Senior Housing Partners
Contact Person: Sam Jagodzinski
Title: Development Manager
Address: 2823 Hamline Avenue N
City, State, ZIP: Roseville, MN 55113
Phone: 651.383.5689
Email: sjagodzinski@seniorpartners.com

3. RGU

RGU: City of Ramsey
Contact Person: Todd Larson
Title: Community Development
Address: 7550 Sunwood Drive NW
City, State, ZIP: Ramsey, MN 55303
Phone: (763) 433-9821
Email: tlarson@cityoframsey.com

4. Reason for EAW Preparation

Check one:

Required:	Discretionary:
☐EIS Scoping	☐Citizen petition
☒Mandatory EAW	☐RGU discretion
	☐Proposer initiated

If EAW or EIS is mandatory, give EQB rule category subpart number(s) and name(s):
Minnesota Rules, part 4410.4300, subpart 19: Residential development

5. Project Location

County: Anoka
City/Township: Ramsey
PLS Location (¼, ¼, Section, Township, Range): SE ¼, NW ¼, Section 25, Township 32N, Range 25W
Watershed (81 major watershed scale): Rum River
GPS Coordinates: 45.235108, -93.402587
Tax Parcel Number: 253225240059
At a minimum, attach each of the following to the EAW:

- **County map showing the general location of the project** (see Figure 1)
- **US Geological Survey 7.5 minute, 1:24,000 scale map indicating project boundaries** (see Figure 2)
- **Site plans showing all significant project and natural features. Pre-construction site plan and post-construction site plan** (see Figure 3 and Appendix A)

6. Project Description

a. Provide the brief project summary to be published in the *EQB Monitor* (approximately 50 words).

The Haviland Fields project is a proposed development that is anticipated to consist of 22 townhomes and three multifamily residential buildings located between MN Highway 47 (St. Francis Blvd NW) and County Rd 5 (Nowthen Blvd NW) in Ramsey, Anoka County, Minnesota. The 35.5-acre site consists of existing institutional use and two residential properties. The two existing residential buildings will be demolished.

b. Give a complete description of the proposed project and related new construction, including infrastructure needs. If the project is an expansion, include a description of the existing facility. Emphasize 1) construction and operation methods and features that will cause physical manipulation of the environment or will produce wastes; 2) modifications to existing equipment or industrial processes; 3) significant demolition, removal, or remodeling of existing structures; and 4) timing and duration of construction activities.

Senior Housing Partners is proposing to redevelop an approximately 35.5-acre site. See Figure 1 and Figure 2 for the project location and Figure 3 for the existing site conditions.

There are two existing residential buildings on site that would be demolished. The redevelopment would include the following:

- **Townhouse Units:** 22 townhouse units on the northern portion of the site for a total of approximately 33,000 square feet and 40 parking spaces.
- **Three Multifamily Residential Buildings:** Three residential buildings with 476 multifamily units totaling approximately 113,529 square feet of gross residential area and 579 parking spaces.
- **Institutional Building:** The existing institutional (church) building will remain in place.

The development will also include stormwater management areas throughout the site and preserved green space. Utilities will be extended to the townhomes and the multifamily residential buildings, including sanitary sewer, water, and electrical. Construction is anticipated to begin in Spring 2024 and be completed in multiple phases over the next three to four years.

c. Project magnitude

Table 1: Project Magnitude

Measure	Magnitude
Total Project Acreage	35.5 acres
Number and Type of Residential Units	22 townhome units, 476 multifamily units
Residential Building Area (square feet)	514,076 sq ft
Institutional Building Area (square feet)	86,038 sq ft (existing church)
Other Uses - Impervious Surface (square feet)	310,703 sq ft
Other Uses – Green Space (square feet)	1,002,000 sq ft of green space
Structure Height(s)	30 -55 ft for the multifamily buildings

d. Explain the project purpose. If the project will be carried out by a governmental unit, explain the need for the project and identify its beneficiaries.

The project is a private development proposed to develop the existing institutional and undeveloped parcel with two residential units into a residential development in order to provide multifamily housing to address the housing needs in Ramsey.

e. Are future stages of this development, including development on any other property, planned or likely to happen? ☐ Yes ☒ No

If yes, briefly describe future stages, relationship to present project, timeline, and plans for environmental review.

Not applicable.

f. Is this project a subsequent stage of an earlier project? ☐ Yes ☒ No

If yes, briefly describe the past development, timeline, and past environmental review.

Not applicable.

7. Climate Adaption and Resilience

a. Describe the climate trends in the general location of the project (see guidance: *Climate Adaptation and Resilience*) and how climate change is anticipated to affect that location during the life of the project.

Trends in temperature, precipitation, flood risk, and cooling degree days are described below for the general project location. Some of the climate projections summarized below use Representative Concentration Pathways (RCPs), which are greenhouse gas concentration scenarios used by the Intergovernmental Panel on Climate Change. RCP 4.5 is an intermediate scenario in which emissions decline after peaking around 2040, and RCP 8.5 is a worst-case scenario in which emissions continue to rise through the 21st century.[1]

Temperature

According to the Minnesota Climate Explorer,[2] the historical average temperature in Anoka County between 2002-2022 was approximately 44.95 °F, with the lowest average in 2014 (41.5°F) and the highest average in 2012 (47.89°F). The average annual temperature in Anoka County is projected to be 48.42°F from 2040-2059 under RCP 4.5. In 2080-2099, the average annual temperature is projected to be 50.84°F and 54.58 °F under RCP 4.5 and 8.5, respectively.

Urban Heat Island

Surfaces and structures such as roads, parking lots, and buildings absorb and re-emit more heat from the sun than natural landscapes. This can significantly raise air temperature and overall extreme heat vulnerability in urban areas where there are dense concentrations of these surfaces. This is referred to as urban heat island effect. According to the Metropolitan Council's Extreme Heat Map Tool, based on the land surface temperate at the project site during a heatwave in 2016, the site is susceptible to extreme heat.[3]

Precipitation

According to the Minnesota Climate Explorer, historic average precipitation in Anoka County between 2002-2022 was approximately 31.63 inches, with the lowest average in 2008 (25.67 inches) and the highest average in 2002 (41.01 inches). Average annual precipitation in Anoka County from 2040-2059 is projected to be 32.79 inches under RCP 4.5. From 2080-2099, average annual precipitation is projected to be 33.62 inches under RCP 4.5 and 35.87 inches under RCP 8.5.

Localized Flood Risk

The Metropolitan Council's Localized Flood Map Screening Tool[4] identifies localized flood hazards, referred to as Bluespots, which are broken into categories based on potential flood

[1] Climate Explorer Metadata. Available at https://www.dnr.state.mn.us/climate/climate-explorer-metadata.html.
[2] Minnesota Climate Explorer. Minnesota Department of Natural Resources. Available at https://arcgis.dnr.state.mn.us/ewr/climateexplorer/main/historical.
[3] Extreme Heat Map Tool. Metropolitan Council. Available at https://metrocouncil.org/Communities/Planning/Local-Planning-Assistance/CVA/Tools-Resources.aspx
[4] Localized Flood Map Screening Tool. Metropolitan Council. Available at https://metrocouncil.org/Communities/Planning/Local-Planning-Assistance/CVA/Tools-Resources.aspx.

water depth. This tool shows Primary, Secondary, and Tertiary Bluespots along throughout the site, with a maximum depth of 12.15 feet. Most Bluespots are centered around the wetland features on the site. Primary Bluespots are the first areas to fill with water, followed by Secondary.

Cooling Degree Days

As defined by the National Weather Service, degree days are based on the assumption that when the outside temperature is 65°F, heating or cooling is not needed to be comfortable. Degree days are the difference between the daily temperature mean and 65°F. If the temperature mean is above 65°F, 65 is subtracted from the mean and the result is the cooling degree days. For example, if the mean temperature over a 24-hour period is 70°F, then there have been five cooling degree days.[5] Cooling degree days are used as a proxy to estimate cooling needs for buildings.

According to Heat Vulnerability in Minnesota, [6] the number of cooling degree days in 2019 for Anoka County was 379. The number of cooling days in 2050 for Anoka County is projected to be 453 and 598 for RCP 4.5 and 8.5, respectively.

b. For each resource category in the table below, describe the project's proposed activities and how the project's design will interact with those climate trends. Describe proposed adaptations to address the project effects identified.

Table 2: Climate Considerations and Adaptations

Resource Category	Climate Considerations	Project Information	
		Climate Change Risks and Vulnerabilities	Adaptations
Project Design	Aspects of the building architecture/materials choices and site design may negatively affect urban heat island conditions in the area considering changing climate zones, temperature trends, and potential for extended heat waves.	The site is in an area with risk of urban heat island effect, increased temperature and precipitation, and increased frequency of freeze/thaw cycles.	• Landscaping and stormwater management systems will reduce runoff and urban heat island effect. • Wetlands and green spaces on site will be preserved.
Land Use	The project is proposing changing some vegetated areas to impervious surfaces.	Minnesota climate trends predict an increase in precipitation and urban heat island effects in the general project area.	• Stormwater management facilities will be designed to minimize standing water and reduce the

[5] "What Are Heating and Cooling Degree Days." National Weather Service. Available at https://www.weather.gov/key/climate_heat_cool.

[6] Heat Vulnerability in Minnesota. Minnesota Department of Health and the University of Minnesota. Available at https://maps.umn.edu/climatehealthtool/heat_app/.

Resource Category	Climate Considerations	Project Information	
		Climate Change Risks and Vulnerabilities	Adaptations
			risk of flooding on the project site. These facilities would improve water quality and stormwater runoff in the project vicinity. • Wetlands and greenspaces are to be preserved.
Water Resources	The project design proposes an increase in impermeable surface, altering surface water flow.	• Change in weather could cause higher frequency of freeze/thaw cycles, resulting in the need for increased salting. • Chlorides from salting degrade nearby water quality and impact aquatic life.	• Using native plants and perennials for landscaping and stormwater features will absorb water and reduce the water demand for irrigation. • The stormwater system will be sized for the additional impervious areas and changes in stormwater requirements.
Contamination/ Hazardous Materials/ Wastes	Current Minnesota climate trends and anticipated climate change in the general location of the project may influence the potential environmental effects of generation/use/storage of hazardous waste and materials.	Construction and the creation of additional residential units will generate an increase of emissions, particulate matter, and waste.	• Any hazardous waste products generated or stored within the proposed development will be registered and kept in accordance with Minnesota Pollution Control Agency (MPCA) requirements.
Fish, Wildlife, Plant Communities, and Sensitive Ecological	Project site contains potential suitable habitat for potentially state listed species.	The wetlands on site represent potential suitable habitat for Blanding's Turtle.	• Wetlands and greenspaces on site will be preserved.

Resource Category	Climate Considerations	Project Information	
		Climate Change Risks and Vulnerabilities	Adaptations
Resources (Rare Features)			
Green House Gases	The proposed project is project to generate an increased amount of greenhouse gases than the existing conditions.	Construction equipment and an increased number of residential units will require an increased use of energy.	• Existing on-site geothermal panels will provide a portion of the sites energy usage. • Roof solar panels to be considered in site design.

8. Cover Types

Estimate the acreage of the site with each of the following cover types before and after development.

Table 3: Cover Types

Cover Type	Before (Acres)	After (Acres)
Wetlands and Shallow Lakes (less than 2 meters deep)	3.52	3.52
Wooded/Forest	12.4	5.03
Brush/Grassland	2.4	0
Lawn/Landscaping	9.76	11.36
Green Infrastructure (total from Table 4)	0	1.56
Impervious Surface	7.3	12.47
Stormwater Pond (wet sedimentation basin)	0.12	1.56
Total	35.50	35.50

Table 4: Green Infrastructure

Green Infrastructure	Before (Acres)	After (Acres)
Constructed Infiltration Systems (infiltration basins, infiltration trenches, rainwater gardens, bioretention areas without underdrains, swales with impermeable check dams)	0	1.56
Constructed Tree Trenches and Tree Boxes	0	0
Constructed Wetlands		
Constructed Green Roofs	0	0
Constructed Permeable Pavements	0	0
Other (describe)	0	0
Total	0	1.56

Table 5: Trees

Trees	Approximate Percent	Approximate Number of Trees
Percent Tree Canopy Removed or Number of Mature Trees Removed During Development	59.4	+/-964
Number of New Trees Planted	N/A	0

Further ways to minimize tree removal, including planting new trees, will be considered as the project design advances. Tree removal will occur between November 1st and March 31st, outside of the active bat season.

9. Permits and Approvals Required

List all known local, state, and federal permits, approvals, certifications, and financial assistance for the project. Include modifications of any existing permits, governmental review of plans, and all direct and indirect forms of public financial assistance including bond guarantees, Tax Increment Financing, and infrastructure. *All of these final decisions are prohibited until all appropriate environmental review has been completed. See Minnesota Rules Chapter 4410.3100.*

Table 6: Permits and Approvals Required

Unit of Government	Type of Application	Status
Federal		
U.S. Army Corps of Engineers	Section 404 Permit	To be applied for, if needed
State		
Minnesota Department of Health	Water Extension Permit	To be applied for, if needed
Minnesota Department of Natural Resources	Water Appropriation Permit	To be applied for, if needed
	Public Waters Work Permit	To be applied for, if needed
Minnesota Pollution Control Agency	Construction Site Stormwater Permit	To be applied for, if needed
	Section 401 Water Quality Certification	To be applied for, if needed
	Sanitary Sewer Extension Permit	To be applied for, if needed
	Notice of Intent of Demolition	To be applied for, if needed
	National Pollution Discharge Elimination System (NPDES) Permit	To be applied for, if needed
Regional		
Anoka County	Access Permit	To be applied for, if needed
Metropolitan Council	Comprehensive Plan Amendment	To be applied for, if needed
Lower Rum River Watershed Management Organization	Grading, Stormwater management and Erosion/Sediment Control Permit	To be applied for, if needed

Unit of Government	Type of Application	Status
	Application for Minnesota WCA Decisions and Procedure Requirements	To be applied for, if needed
Local		
City of Ramsey	Grading Permit	To be applied for, if needed
	Excavation Permit	To be applied for, if needed
	Obstruction Permit	To be applied for, if needed
	Commercial Building Permit	To be applied for, if needed
	Residential Demolition Permit	To be applied for, if needed
	Residential New Townhouse Unit	To be applied for, if needed
	Municipal Water Connection Permit	To be applied for, if needed
	Sanitary Sewer Connection Permit	To be applied for, if needed
	Planned Unit Development	To be applied for, if needed
	Plat Application	To be applied for, if needed

10. Land Use

a. Describe:

i. Existing land use of the site as well as areas adjacent to and near the site, including parks and open space, cemeteries, trails, and prime or unique farmlands.

The existing site is a church with two single family homes and undeveloped vegetated areas. Surrounding land use is largely residential, along with commercial developments, undeveloped vegetated areas, wetlands, and waterways. The nearest park or recreation area is Solstice Park, located directly north of the site. Other nearby parks include Flintwood Terrace Park (0.2-mile south), and the Rum River Nature Area (0.2-mile east). On-road trails are located along County Road 5 and MN Highway 47 adjacent to the site as shown in the city's parks and trails map.

The project site does not include prime or unique farmland.

ii. Planned land use as identified in comprehensive plans (if available) and any other applicable plan for land use, water, or resource management by a local, regional, state, or federal agency.

Ramsey's 2040 Comprehensive Plan identifies the existing land use as undeveloped, institutional, and single family detached (see Figure 4). The future land use map shows the project site as public/institutional and high density residential (see Figure 5).

iii. Zoning, including special districts or overlays such as shoreland, floodplain, wild and scenic rivers, critical area, agricultural preserves, etc.

According to the City of Ramsey Planning Department Interactive Zoning Map, existing zoning is designated as R-1 MUSA-80, R-2 Medium Density Residential, R-3 High Density Residential (see Figure 6). The R-1 zone is designated to accommodate single-family dwelling units on suitable land. The R-2 zone is designated to accommodate multiple dwellings at a density of four to seven dwelling units per acre and multiple-dwelling complexes. The R-3 zone is designated to accommodate high density residential housing at a density greater than seven units per acre but not to exceed 15 units per acre. The site is not within any overlay districts.

iv. **If any critical facilities (i.e., facilities necessary for public health and safety, those storing hazardous materials, or those housing occupants who may be insufficiently mobile) are proposed in floodplain areas and other areas identified as at risk for localized flooding, describe the risk potential considering changing precipitation and event intensity.**

No critical facilities are proposed as part of the project, and the project is not located within a FEMA 100-Year floodplain area.

b. Discuss the project's compatibility with nearby land uses, zoning, and plans listed in Item 10a above, concentrating on implications for environmental effects.

The proposed residential development is generally compatible with existing and future land uses. There are three different zoning districts within the site that have differing requirements for density and building requirements.

c. Identify measures incorporated into the proposed project to mitigate any potential incompatibility as discussed in Item 10b above and any risk potential.

It is anticipated that the developer will work with the city on unifying the proposed zoning through a Planned Unit Development to comply with building and design requirements for the site.

11. Geology, Soils, and Topography/Landforms

a. Geology – Describe the geology underlying the project area and identify and map any susceptible geologic features such as sinkholes, shallow limestone formations, unconfined/shallow aquifers, or karst conditions. Discuss any limitations of these features for the project and any effects the project could have on these features. Identify any project designs or mitigation measures to address effects to geologic features.

According to the Geologic Atlas of Anoka County (2013)[7], bedrock geology of the project site consists of St. Lawrence Formation, dolomitic, feldspathic siltstone with interbedded very fine-grained sandstone and shale, and Tunnel City Group, fine- to medium grained, cross-stratified, generally friable, quartz sandstone; or very fine- to fine-grained, glauconitic, feldspathic sandstone. The estimated depth to bedrock is approximately 151-250 feet below grade. The surficial geology consists of Richfield terrace, which consists of sand and gravelly sand, and peat and much which consists of partially decomposed plant matter.

[7] Available at https://conservancy.umn.edu/handle/11299/116119

No sinkholes, unconfined/shallow aquifers, or karst conditions were identified in the project area. The geology of the project site does not result in limitations for the proposed development.

a. Soils and Topography – Describe the soils on the site, giving NRCS (SCS) classifications and descriptions, including limitations of soils. Describe topography, any special site conditions relating to erosion potential, soil stability, or other soil limitations, such as steep slopes or highly permeable soils. Provide estimated volume and acreage of soil excavation and/or grading. Discuss impacts from project activities (distinguish between construction and operational activities) related to soils and topography. Identify measures during and after project construction to address soil limitations including stabilization, soil corrections, or other measures. Erosion/sedimentation control related to stormwater runoff should be addressed in response to Item 12.b.ii.

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey, there are five soil types within the site, which are generally loamy sands (see Table 7).

Table 7. Soil Types

Map Unit Symbol	Map Unit Name	Acres within Project Site	Percent of Site
D90B	Nymore loamy sand, 1 to 6 percent slopes	1.7	4.7%
Mc	Marsh	3.3	9.3%
NrD	Nymore loamy coarse sand, 12 to 25 percent slopes	3.6	10.2%
NyA	Nymore loamy sand, 0 to 2 percent slopes	13.6	38.4%
NyC	Nymore loamy sand, 6 to 12 percent slopes	13.3	37.3%

The site earthwork is estimated be a net cut of 2,500 cubic yards based on the excavations for ponding, underground stormwater management, vehicle infrastructure, and building foundations.

A National Pollutant Discharge Elimination System (NPDES) permit is required because the project will disturb more than one acre of land. A Stormwater Pollution Prevention Plan (SWPPP) will be prepared. All unpaved areas disturbed during construction will be revegetated in accordance with the standard NPDES permit requirements. In areas with steep slopes, special consideration will be given to prevent erosion during construction, such as erosion control blankets, along with vegetation establishment to permanently stabilize side slopes and any areas impacted as a result of construction.

12. Water Resources

a. Describe surface water and groundwater features on or near the site below.

i. Surface Water – lakes, streams, wetlands, intermittent channels, and county/judicial ditches. Include any special designations such as public waters, shoreland classification and floodplain/floodway, trout stream/lake, wildlife lakes, migratory waterfowl feeding/resting lake, and outstanding resource value water. Include the presence of aquatic invasive species and the water quality impairments or special designations listed on the current MPCA 303d Impaired Waters List that are within 1 mile of the project. Include DNR Public Waters Inventory number(s), if any.

Minnesota Department of Natural Resources (DNR) Public Waters within one mile of the project site includes Rum River (M-063), Grass Lake (DNR# 61989), and 14 unnamed basins (DNR# 61648, 61991, 61619, 62546, 71459, 61990, 61997, 62788, 65935, 70837, 71329, 71541, 71612, 71579), with Unnamed Basin 70837 located within the project site (see Figure 7). Rum River is listed on the Minnesota Pollution Control Agency's (MPCA's) 303d Impaired Waters List[8]for mercury in fish tissue.

A previous on-site wetland delineation performed by Pinnacle Engineering, Inc. in 2022 identified two wetlands (Wetland 1 is 3.05 acres and Wetland 2 is 0.47 acres) within the project site (see Figure 8 and Appendix B). The wetlands general align with the NWI mapped wetlands on the eastern portion of the site.

ii. Groundwater – aquifers, springs, and seeps. Include 1) depth to groundwater; 2) if project is within a MDH wellhead protection area; and 3) identification of any onsite and/or nearby wells, including unique numbers and well logs, if available. If there are no wells known on site or nearby, explain the methodology used to determine this.

According to the Minnesota Hydrogeology Atlas, depth to the water table varies from 0 to 30 feet across the project site (see Figure 9). Based on the Minnesota Department of Health (MDH) Well Index, static ground water appears to be between 25 to 28 feet below the surface in the area. According to the MDH Source Water Protection Web Map Viewer, the project site is within the Minneapolis, St. Paul, and St. Cloud Priority A and Priority B Drinking Water Supply Management Areas.

According to the Well Index, there are two active domestic wells on the project site (Unique Well ID 668043 and 430267, see Figure 10). No additional wells are within 150 feet of the project site. The onsite wells will be located and abandoned during construction of this project. Well reuse for irrigation purposes may be considered. If any other wells are encountered during construction, they will be capped and sealed according to Minnesota Department of Health regulations.

[8] Available at https://www.pca.state.mn.us/air-water-land-climate/minnesotas-impaired-waters-list

Table 8. Wells

Well ID Number	Well Status	Well Name	Static Water Level (ft)	Well Depth (ft)	Entry Date	Location
430267	Active	STEENERSON, LARRY	24	187	4/15/1991	Onsite
668043	Active	LORD OF LIFE LUTHERAN CH	28	147	3/11/2002	Onsite

b. Describe effects from project activities on water resources and measures to minimize or mitigate the effects below.

i. Wastewater – For each of the following, describe the sources, quantities, and composition of all sanitary, municipal/domestic, and industrial wastewaters projected or treated at the site.

1) If the wastewater discharge is to a publicly owned treatment facility, identify any pretreatment measures and the ability of the facility to handle the added water and waste loadings, including any effects on, or required expansion of, municipal wastewater infrastructure.

The daily wastewater flow for the proposed development was calculated by utilizing the Metropolitan Council Sewer Availability Charge (SAC) Criteria Calculator to determine the equivalent number of SAC units for the proposed residential units on site. The proposed 498 units, along with the existing church, yielded a total of 536 SAC units for the proposed development. A flow of 274 gallons per day (GPD) per SAC unit (per Metropolitan Council) was used to get an estimated daily sewage flow of 146,864 GPD for the proposed development.

The property will be served by the publicly owned Metropolitan Council Metropolitan Wastewater Treatment Plan in Saint Paul. The plant currently treats an average of 172 million GPD, with a total capacity up to 251 million GPD. Based on the Twin Cities Metropolitan Council Sewer Availability Charge Guidelines, the estimated wastewater from the proposed development is anticipated to consist primarily of normal commercial sewage resulting from the proposed residential and institutional areas on site. The proposed site is expected to generate approximately 146,864 GPD (0.146 million GPD). The Metropolitan Council's Metropolitan Wastewater Treatment Plan has the capacity to treat the volume and composition of wastewater generated by the proposed project without pretreatment or other plan facility improvements. It is anticipated that the 8" stubs on the property will be able to handle the added water and waste loadings, although additional expansion or reconfiguration of existing sanitary sewers may be required.

2) If the wastewater discharge is to a subsurface sewage treatment system (SSTS), describe the system used, the design flow, and suitability of site conditions for such a system. If septic systems are part of the project, describe the availability of septage disposal options within the region to

handle the ongoing amounts generated as a result of the project. Consider the effects of current Minnesota climate trends and anticipated changes in rainfall frequency, intensity, and amount with this discussion.

Not applicable.

3) **If the wastewater discharge is to surface water, identify the wastewater treatment methods and identify discharge points and proposed effluent limitations to mitigate impacts. Discuss any effects to surface or groundwater from wastewater discharges, taking into consideration how current Minnesota climate trends and anticipated climate change in the general location of the project may influence the effects.**

   Not applicable.

ii. **Stormwater – Describe changes in surface hydrology resulting from change of land cover. Describe the routes and receiving water bodies for runoff from the project site (major downstream water bodies as well as the immediate receiving waters). Discuss environmental effects from stormwater discharges on receiving waters post-construction, including how the project will affect runoff volume, discharge rate, and change in pollutants. Consider the effects of current Minnesota climate trends and anticipated changes in rainfall frequency, intensity, and amount with this discussion. For projects requiring NPDES/SDS Construction Stormwater permit coverage, state the total number of acres that will be disturbed by the project and describe the stormwater pollution prevention plan (SWPPP), including specific best management practices to address soil erosion and sedimentation during and after project construction. Discuss permanent stormwater management plans, including methods of achieving volume reduction to restore or maintain the natural hydrology of the site using green infrastructure practices or other stormwater management practices. Identify any receiving waters that have construction-related water impairments or are classified as special as defined in the Construction Stormwater permit. Describe additional requirements for special and/or impaired waters.**

Prior to construction, stormwater runoff on the east of the site drains directly to the wetland on the east side of the property. Any drainage captured on the west side of the site by storm sewer is collected in a depression near the northwest entrance of the site, where the water infiltrates or overtops into swales along County Road 5. The proposed development includes five additional acres of impervious surface, increasing the runoff rate. After construction, water will be directed to one of four infiltration basins, where the water will then be directed to the same previous receiving water bodies. For ponds on the east side of the site, the eventual receiving water body will be the wetland that occupies the east side of the site. For ponds on the west side of the site, the outlet will tie into stormwater further south along County Road 5 and eventually make it to wetlands south of the site.

A SWPPP will be developed for the project in accordance with the NPDES permit administered by the MPCA. The SWPPP will cover temporary measures to prevent

pollution during construction (erosion and sediment control as well as controls to minimize spills, leaks, or other discharges of pollutants) and permanent measures to prevent stormwater pollution after construction. These BMPs may include one or more of the following: silt fencing, inlet sediment filters, sediment traps, grit chambers, temporary ditch checks, rock filter dikes, fiber logs, turf reinforcement mats, temporary seeding, riprap and erosion control blankets for disturbed areas, and seeding or placement of sod or other plant material for restoration.

Additionally, the project will comply with all City of Ramsey Erosion Control Requirements[9] and Lower Rum River Watershed Management Organization (LRRWMO) Storm Water Standards[10]. Per the City of Ramsey, an erosion control escrow must be submitted, and a silt fence (or other approved erosion control measures) must be installed prior to issuance of a building permit.

iii. **Water Appropriation – Describe if the project proposes to appropriate surface or groundwater (including dewatering). Describe the source, quantity, duration, use, and purpose of the water use and if a DNR water appropriation permit is required. Describe any well abandonment. If connecting to an existing municipal water supply, identify the wells to be used as a water source and any effects on, or required expansion of, municipal water infrastructure. Discuss environmental effects from water appropriation, including an assessment of the water resources available for appropriation. Discuss how the proposed water use is resilient in the event of changes in total precipitation, large precipitation events, drought, increased temperatures, variable surface water flows and elevations, and longer growing seasons. Identify any measures to avoid, minimize, or mitigate environmental effects from the water appropriation. Describe contingency plans should the appropriation volume increase beyond infrastructure capacity or water supply for the project diminish in quantity or quality, such as reuse of water, connections with another water source, or emergency connections.**

No additional permanent dewatering is expected as part of this project. A Water Use Appropriations Permit would be obtained if permanent dewatering was determined to be necessary for the final design of the project. A Water Use Appropriation Permit is required for permanent water appropriations and applies to users withdrawing more than 10,000 gallons of water per day or one million gallons per year.

If unidentified wells are found, the MPCA and MDH must be contacted to determine the course of action, which may include sealing, relocating, or preserving by a licensed well contractor according to Minnesota Rules Chapter 4725.

There are existing wells that serve the Church and residence and the proposed plan is to abandon and seal per MPCA/MDH requirements and connect to the City water system. The water supply will be obtained from the City of Ramsey's water system, which is a groundwater based public water supply. The water supply will be obtained from the existing City groundwater wells that currently supply the City of Ramsey

[9] Available at: https://www.ci.ramsey.mn.us/DocumentCenter/View/1590/Erosion-Control--EDITED-2-PDF

[10] Available at: https://lrrwmo.org/wp-content/uploads/2018/04/AppendixE_SW_standards_revised_4_2018.pdf

water system. The existing groundwater wells draw water from 7 municipal wells ranging from 120 to 213 feet deep that draw water from the Tunnel City, Tunnel City-Eau Claire, and Tunnel City-Wonewoc aquifers.

Water mains to service the site area provided within adjacent roadway right-of-way, and a preliminary review indicates that the existing infrastructure is sufficient for the anticipated development. For the proposed development, the estimated demand needed to support the new development is 146,864 gallons per day (based on the proposed 498 units, along with the existing church, yielded a total of 536 MCES SAC units for the proposed development). Assuming 2-acres or irrigated landscape will require 1-inch of water per week will require approximately 7,760-GPD. Using native plants and perennials for landscaping and stormwater features will absorb water and reduce the water demand for irrigation.

Based upon the estimated demand, the existing city water supply is capable of handling the new development. Water appropriation for new wells or an increase in authorized volume is not anticipated for the project as the city's current system can accommodate the development.

iv. Surface Waters

1) **Wetlands – Describe any anticipated physical effects or alterations to wetland features, such as draining, filling, permanent inundation, dredging, and vegetative removal. Discuss direct and indirect environmental effects from physical modification of wetlands, including the anticipated effects that any proposed wetland alterations may have to the host watershed, taking into consideration how current Minnesota climate trends and anticipated climate change in the general location of the project may influence the effects. Identify measures to avoid (e.g., available alternatives that were considered), minimize, or mitigate environmental effects to wetlands. Discuss whether any required compensatory wetland mitigation for unavoidable wetland impacts will occur in the same minor or major watershed and identify those probable locations.**

   The City of Ramsey requires a 16.5-foot buffer around all wetlands and stormwater ponds. The wetlands must be protected from disturbance and erosion during the construction process. Post construction, certain activities shall be prohibited within 16.5 feet of the wetland edge. The freshwater emergent wetlands on the site will be avoided, maintaining the existing function and value of the wetlands.

   If designs would change to impact wetlands, any wetland impacted would require Minnesota Wetland Conservation Act (WCA) approval with the City of Ramsey as the WCA LGU, and an US Army Corps of Engineers (USACE) Section 404 of the Clean Water Act permit. Wetland impacts would be mitigated based on current rules and requirements from the City and USACE.

2) **Other surface waters – Describe any anticipated physical effects or alterations to surface water features (lakes, streams, ponds, intermittent**

channels, county/judicial ditches) such as draining, filling, permanent inundation, dredging, diking, stream diversion, impoundment, aquatic plant removal, and riparian alteration. Discuss direct and indirect environmental effects from physical modification of water features, taking into consideration how current Minnesota climate trends and anticipated climate change in the general location of the project may influence the effects. Identify measures to avoid, minimize, or mitigate environmental effects to surface water features, including in-water Best Management Practices that are proposed to avoid or minimize turbidity/sedimentation while physically altering the water features. Discuss how the project will change the number or type of watercraft on any water body, including current and projected watercraft usage.

No alternations to other surface waters are anticipated.

13. Contamination/Hazardous Materials/Wastes

a. Pre-project Site Conditions – Describe existing contamination or potential environmental hazards on or in close proximity to the project site, such as soil or groundwater contamination, abandoned dumps, closed landfills, existing or abandoned storage tanks, and hazardous liquid or gas pipelines. Discuss any potential environmental effects from pre-project site conditions that would be caused or exacerbated by project construction and operation. Identify measures to avoid, minimize, or mitigate adverse effects from existing contamination or potential environmental hazards. Include development of a Contingency Plan or Response Action Plan.

MPCA's What's In My Neighborhood (WIMN) database was reviewed to determine if any known contaminated properties or potential environmental hazards are located on the project site or within 150 feet of the project site. The database includes one site within the project site, and one site within 150 feet (see Table 9 and Figure 11).

Using the following criteria established by the Minnesota Department of Transportation (MnDOT), the sites were classified into high, medium, and low risk sites:

- **High risk:** In general, sites with high environmental risks are properties that have documented releases of chemicals or hazardous or regulated substances (e.g., active and inactive state and federal cleanup sites, active and inactive dump sites, and active leaking underground storage tank sites), strong evidence of contamination (e.g., soil staining, stressed vegetation), or storage of large volumes of petroleum or other chemicals (e.g., bulk storage tank facilities).
- **Medium risk:** Sites of medium environmental risk are properties where smaller volumes of petroleum, chemicals, or hazardous materials are frequently stored and used (e.g., registered underground and aboveground storage tanks, vehicle repair facilities, metal working shops), but at which no evidence of spills or releases exists, or properties with documented releases that have been "closed" (signifying no further cleanup actions deemed necessary) by the MPCA. Closed sites, such as closed leaking underground storage tank sites, are considered medium risks because

residual soil or groundwater contamination may exist.

- **Low risk:** Low environmental risk sites include properties where minor volumes of chemicals or hazardous materials have been used or stored (e.g., hazardous waste generators, and possibly some farmsteads and residences).

Table 9. MPCA WIMN Sites Within 150 Feet of the Project Site

Site ID	Site Name	Activity	Risk Level	Status
26494	Oil Change Anywhere Inc	Hazardous Waste, Very small quantity generator	Low	Active
140834	Stoney River	Construction Stormwater	Low	Inactive

b. Project Related Generation/Storage of Solid Wastes – Describe solid wastes generated/stored during construction and/or operation of the project. Indicate method of disposal. Discuss potential environmental effects from solid waste handling, storage, and disposal. Identify measures to avoid, minimize, or mitigate adverse effects from the generation/storage of solid waste including source reduction and recycling.

Construction Generated Waste

Demolition debris and earth materials will be generated during demolition of the existing residential structures. The solid wastes generated during demolition will be recycled or disposed of at a state-permitted landfill.

Asbestos-containing materials (ACM) will require management prior to any demolition, renovation, or operations and maintenance work that might disturb identified or assumed asbestos materials. If ACM is discovered during renovation/demolition activities, disturbance work will immediately stop until a determination regarding asbestos content within the material is discovered.

Construction of the proposed development will generate construction-related waste materials such as wood, packaging, excess materials, and other wastes, which will either be recycled or disposed of in the proper facilities in accordance with state regulations and guidelines.

Operationally Generated Waste

The proposed development would generate new demands on solid waste management and sanitation services provided in the project site. Based on the proposed area of 215,290 square feet, it is estimated that the residential waste stream will be around 2,321 tons per year. Hazardous waste products are not anticipated to be produced or stored within the proposed development.

c. Project Related Use/Storage of Hazardous Materials – Describe chemicals/hazardous materials used/stored during construction and/or operation of the project including method of storage. Indicate the number, location, and size of any new above or below

ground tanks to store petroleum or other materials. Indicate the number, location, size, and age of existing tanks on the property that the project will use. Discuss potential environmental effects from accidental spills or releases of hazardous materials. Identify measures to avoid, minimize, or mitigate adverse effects from the use/storage of chemicals/hazardous materials including source reduction and recycling. Include development of a spill prevention plan.

One 265-gallon underground storage tank and one 300-gallon aboveground storage tank were identified on-site during a 2022 survey. The underground storage tank is a heating oil tank located to the northeast of the existing single-family homes. The aboveground storage tank is a propane tank and is located to the northwest of the existing single-family homes. Based on the age of the 265-gallon heating oil underground storage tank (50+ years) and that it has been 24 years since the subsurface investigation was completed, there is an inherent risk of release and leakage associated with the tank. The 2022 survey recommended a Phase II Subsurface Investigation to assess potential impacts associated with the active 265-gallon tank.

Any hazardous waste materials used/stored during construction and/or operation of the project will be disposed of in the manner specified by local or state regulation or by the manufacturer. A spill prevention plan will be developed, and proper spill prevention controls will be in place for any vehicle refueling or maintenance that occurs on site during construction.

d. Project Related Generation/Storage of Hazardous Wastes – Describe hazardous wastes generated/stored during construction and/or operation of the project. Indicate method of disposal. Discuss potential environmental effects from hazardous waste handling, storage, and disposal. Identify measures to avoid, minimize, or mitigate adverse effects from the generation/storage of hazardous wastes including source reduction and recycling.

Regulated material and/or waste will be managed in accordance with state requirements. No known toxic or hazardous wastes are anticipated to be generated on site. If any toxic or hazardous waste is generated on the site, it will be properly handled to current state and federal regulations. Toxic or hazardous wastes to be stored on site during construction will include fuel and oil necessary for maintaining and running heavy construction equipment and during operations may include commercial cleaning supplies. The MPCA regulates asbestos management activities and disposal activities. Any disposal of asbestos regulated waste will be in accordance with MPCA rules.

14. Fish, Wildlife, Plant Communities, and Sensitive Ecological Resources (Rare Features)

a. Describe fish and wildlife resources as well as habitats and vegetation on or near the site.

One DNR Public Watercourse, Rum River, is located within one mile of the site and is not classified as a trout stream. One Unnamed Public Water Basin is located within the site, and

14 Public Water Basins are located within one mile of the site (see Figure 7). The wetlands on site, along with the waterbodies adjacent to the site, could provide suitable fish habitat.

Potential wildlife habitat is located primarily within the eastern portion of the project site within the green space and wetlands. Adjacent land uses include residential, road right-of-way, and parks, which provide potential wildlife habitat. Given the urban setting of the project site, wildlife including white-tailed deer, small mammals, and bird species that are currently using the project site for potential habitat are well adapted to highly disturbed suburban environments.

Three Minnesota Biological Survey Sites of Biodiversity Significance and nine Regionally Significant Ecological Areas are located within one mile of the project site. According to 2022 DNR Native Plant Communities database, no native plant communities are within or adjacent to the project site. According to the City of Ramsey's 2007 Natural Resources Inventory (NRI), there are two moderate quality native plant communities (Aspen Forest and Oak Woodland-Brushland) and one good quality native plant community (Wet Meadow) located in the forested area on the northeast side of the site.

b. Describe rare features such as state-listed (endangered, threatened, or special concern) species, native plant communities, Minnesota Biological Survey Sites of Biodiversity Significance, and other sensitive ecological resources on or within close proximity to the site. Provide the license agreement number (LA-1074) and/or correspondence number (MCE____) from which the data were obtained and attach the Natural Heritage Review letter from the DNR. Indicate if any additional habitat or species survey work has been conducted within the site and describe results.

State-Listed Threatened and Endangered Species
A review of the DNR Natural Heritage Inventory System (LA-1074) database was conducted for the project site and the area within one mile of the project site. This review identified two species within one mile of the project site and one species within the project site itself.

A record for the Blanding's Turtle (*Emys blandingii*), a state-listed threatened species, is located within the project site. Three records for the Blanding's Turtle are located within one mile of the project site. Blanding's Turtles prefer wetland complexes and adjacent sandy uplands, including calm, shallow waters associated with river and stream. In southeastern Minnesota, open marshes and bottomland wetlands provide summer and winter habitat. Ephemeral wetlands are utilized in spring and early summer, while deeper marshes and backwater pools are utilized in both the summer and winter.

A record for the Creek Heelsplitter (*Lasmigona compressa*), a state-listed species of special concern, is located within one mile of the project site. The Creek Heelsplitter prefers creeks, small rivers, and the upstream portions of large rivers. The wetlands on site do not represent suitable habitat; therefore, no long-term adverse impacts to Creek Heelsplitters are anticipated.

Federally Listed Threatened and Endangered Species
A review of the U.S. Fish and Wildlife Service's Information for Planning and Consultation (IPaC) tool was completed for Anoka County. This review identified two federally listed endangered or proposed endangered species that may be present within the project site.

A record for the Northern Long-Eared Bat, a federally endangered species, was identified within Anoka County. During the summer, Northern Long-Eared Bats roost singly or in colonies underneath bark, in cavities, or crevices of both live and dead trees. The bat uses tree species based on suitability to retain bark or provide cavities or crevices. It has also been found, rarely, roosting in structures like barns or sheds. Tree stands in the eastern portion of the project site may present suitable habitat for the Northern Long-Eared Bat.

A record for the Tricolored Bat, a proposed federally endangered species, was identified within Anoka County. During the summer, Tricolored Bats roost among live and dead leaf clusters of live or recently dead deciduous hardwood trees Tree stands in the eastern portion of the project site may present suitable habitat for the Tricolored Bat.

Other Sensitive Ecological Resources
The identified Sites of Biodiversity Significance and Regionally Significant Ecological Areas are not within the project site, therefore; no adverse impacts in these areas are anticipated.

c. Discuss how the identified fish, wildlife, plant communities, rare features, and ecosystems may be affected by the project, including how current Minnesota climate trends and anticipated climate change in the general location of the project may influence the effects. Include a discussion on introduction and spread of invasive species from the project construction and operation. Separately discuss effects to known threatened and endangered species.

Effects to Wildlife Habitat and Sensitive Ecological Resources
Minimal tree removal will be required as part of the project; however, most trees will be preserved and a tree replacement plan will be developed and implemented per city code requirements. Limited tree removal is anticipated on the northeast side of the site where the City of Ramsey's 2007 survey identifies native plant species. Effective erosion prevention and sediment control practices will be implemented and maintained near the water resources on site throughout the duration of the project. Redevelopment will not have a significant adverse impact to any wildlife currently utilizing the site or the surrounding area.

Wildlife currently using the site are highly adaptive and should not be adversely affected by the project. Invasive species will be controlled on site during construction, and turf grass and other ornamental landscape plants will be used on the site and may provide some additional habitat for songbirds, small mammals, and insects.

Impacts to Threatened and Endangered Species
The wetlands within the project site are likely to be suitable habitat for Blanding's Turtle. Development is not proposed within the wetland areas; therefore, no long-term adverse impacts to Blanding's Turtle are anticipated.

Adverse impacts are not anticipated to the Creek Heelsplitter due to the lack of suitable habitat within the project site or the likelihood that the species is present in the area given the historical observation dates for the species.

d. Identify measures that will be taken to avoid, minimize, or mitigate adverse effects to fish, wildlife, plant communities, and sensitive ecological resources.

Invasive Species

The proposed project would not result in the introduction of invasive species. Disturbed areas would be reestablished using appropriate native and stabilization seed mix. Invasive species will be controlled on site during construction, and proposed landscaping will not include any DNR-identified invasive species. Additionally, best management practices will be followed when relocating construction equipment from other sites (see correspondence in Appendix C).

Threatened and Endangered Species

If Blanding's turtles are found on the project site, state law and rules prohibit the destruction of threatened or endangered species, except under certain prescribed conditions. The DNR provided several required avoidance measures in their NHIS correspondence:

- Avoid wetland and aquatic impacts during hibernation season, between September 15th and April 15th, if the area is suitable for hibernation.
- The use of erosion control blankets shall be limited to "bio-netting" or "natural-netting" types, and specifically not products containing plastic mesh netting or other plastic components. Be aware that hydro mulch products may contain small synthetic (plastic) fibers. Review mulch products and do not allow materials with synthetic (plastic) fiber additives in areas that drains into Public Waters.
- Construction areas should be thoroughly checked for turtles before the use of heavy equipment or any ground disturbance. If turtles are in imminent danger, they should be moved out of harm's way. Otherwise, they should be left undisturbed.

A Blanding's turtle fact sheet that describes the habitat use and life history of the species along with two lists of recommendations for avoiding and minimizing impacts to the turtles is included in Appendix C.

If tree clearing or structure demolition is anticipated, it is recommended to occur from November 1st-March 31st, which is outside of the active bat season.

Wildlife Habitat and Sensitive Ecological Resources

The developer will prepare a tree replacement plan to meet city code as site planning progresses.

15. Historic Properties

Describe any historic structures, archeological sites, and/or traditional cultural properties on or in close proximity to the site. Include 1) historic designations; 2) known artifact areas; and 3) architectural features. Attach letter received from the State Historic Preservation Office (SHPO). Discuss any anticipated effects to historic properties during project construction and operation. Identify measures that will be taken to avoid, minimize, or mitigate adverse effects to historic properties.

A search of the Minnesota State Historic Preservation Office's (SHPO) Statewide Inventory was requested to identify known historic properties and archaeological sites in the vicinity of the project (see Appendix C). Within Section 25, Township 32, Range 25 three archaeological records and one historic property record was identified. The historic property, District No. 28 School, is

listed on the National Register of Historic places and is within a half-mile of the project site. None of the sites or property will be impacted by the development.

It is not anticipated that unknown archaeological sites will be uncovered during the construction of this project as the site has been previously disturbed. However, if cultural materials are encountered during construction, unanticipated discovery protocols will be followed.

16. Visual

Describe any scenic views or vistas on or near the project site. Describe any project related visual effects such as vapor plumes or glare from intense lights. Discuss the potential visual effects from the project. Identify any measures to avoid, minimize, or mitigate visual effects.

The site includes existing institutional and residential land that is not near any unique designated scenic views or vistas. Future development would conform with the zoning regulations for building height, building form, landscape screening, and lighting would be in conformance with city ordinances. Adverse visual effects are not anticipated.

17. Air

a. **Stationary Source Emissions – Describe the type, sources, quantities, and compositions of any emissions from stationary sources such as boilers or exhaust stacks. Include any hazardous air pollutants and criteria pollutants. Discuss effects to air quality including any sensitive receptors, human health, or applicable regulatory criteria. Include a discussion of any methods used to assess the project's effect on air quality and the results of that assessment. Identify pollution control equipment and other measures that will be taken to avoid, minimize, or mitigate adverse effects from stationary source emissions.**

   No stationary source air emissions are anticipated; therefore, no mitigation is required.

b. **Vehicle Emissions – Describe the effect of the project's traffic generation on air emissions. Discuss the project's vehicle-related emissions effect on air quality. Identify measures (e.g., traffic operational improvements, diesel idling minimization plan) that will be taken to minimize or mitigate vehicle-related emissions.**

   Motor vehicles emit a variety of air pollutants including carbon monoxide (CO), hydrocarbons, nitrogen oxides, and particulates. The primary pollutant of concern is CO, which is a byproduct of the combustion process of motor vehicles. CO concentrations are highest where vehicles idle for extended periods of time. For this reason, CO concentrations are generally highest in the vicinity of signalized intersections where vehicles are delayed and emitting CO. Generally, concentrations approaching state air quality standards are found within about 100 feet of a roadway source. Further from the road, the CO in the air is dispersed by the wind such that concentrations rapidly decrease.

   The Minnesota Department of Transportation (MnDOT) has developed a screening method designed to identify intersections that will not cause a carbon monoxide (CO) impact above state standards. MnDOT has demonstrated that even the 10 highest traffic volume

intersections in the Twin Cities do not experience CO impacts. Therefore, intersections with traffic volumes lower than these 10 highest intersections will not cause a CO impact above state standards. MnDOT's screening method demonstrates that intersections with total daily approaching traffic volumes below 82,300 vehicles per day will not have the potential for causing CO air pollution problems. None of the intersections impacted by the project exceed the criteria that would lead to a violation of the air quality standards

c. Dust and Odors – Describe sources, characteristics, duration, quantities, and intensity of dust and odors generated during project construction and operation. (Fugitive dust may be discussed under Item 17a). Discuss the effect of dust and odors in the vicinity of the project including nearby sensitive receptors and quality of life. Identify measures that will be taken to minimize or mitigate the effects of dust and odors.

The project may generate temporary fugitive dust emissions during construction. These emissions would be controlled by sweeping, watering, or sprinkling, as appropriate or as prevailing weather and soil conditions dictate. Dust emissions are not anticipated during operations as all surfaces will either be impervious or vegetated.

The construction and operation of the project are not expected to generate objectionable odors.

18. Greenhouse Gas (GHG) Emissions/Carbon Footprint

a. GHG Quantification – For all proposed projects, provide quantification and discussion of project GHG emissions. Include additional rows in the tables as necessary to provide project-specific emission sources. Describe the methods used to quantify emissions. If calculation methods are not readily available to quantify GHG emissions for a source, describe the process used to cometo that conclusion and any GHG emission sources not included in the total calculation.

Certain gases in the earth's atmosphere, classified as greenhouse gases (GHGs), play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth.

The primary GHGs contributing to the greenhouse effect are carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Examples of fluorinated gases include chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3); however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of GHGs exceeding natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and

leading to a trend of unnatural warming of the earth's climate, known as global climate change or global warming.[11]

This section includes an estimated quantification of the following GHG emissions associated with the proposed project:

- Carbon Dioxide (CO_2)
- Nitrous Oxide (N_2O)
- Methane (CH_4)

The projected GHG emissions are provided on an average annual basis using the CO_2 equivalent (CO_2e) and include the proposer's best estimate of average annual emissions over the proposed life/design service life of the project. Emissions were estimated using the US Environmental Protection Agency's Simplified GHG Emissions Calculator (Version 7 June 2021)[12] and are summarized in Appendix D and Table 10 and Table 11 by project phase (i.e., construction and operations) and source type (e.g., combustion from mobile equipment, off-site electricity (see Appendix D for background analysis).

Construction emissions are based on length of construction and are from mobile equipment including passenger cars, light-duty trucks, medium and heavy-duty trucks, and construction equipment (both gasoline and diesel). Emissions associated with construction materials were not analyzed, as these are outside the scope of this analysis.

Emissions from cooling and refrigeration systems are not accounted for in this operational emissions analysis as GHGs from refrigerants are approximately less than 5 percent of the total GHG emissions of a building.[13] The project does not include any owned or leased vehicles anticipated to be used by the organization during operation, plans to purchase gases during operation, or land use conversions.

Table 10: Existing Operational Emissions

Scope	Emission Type	Emission Sub-Type	CO_{2e} Emissions (tons/year)
Scope 1	Combustion	Stationary equipment	838
Scope 2	Off-site electricity	Grid-based	48
Scope 3	Off-site waste management[14]	Area	2,084
Total			**2,970**

Table 11: Construction Emissions

Scope	Emission Type	Emission Sub-Type	Project-Related CO_{2e} Emissions (total)

[11] Summarized from U.S. EPA, Overview of Greenhouse Gases: https://www.epa.gov/ghgemissions/overview-greenhouse-gases

[12] Source: https://www.epa.gov/climateleadership/simplified-ghg-emissions-calculator

[13] Source: https://practicegreenhealth.org/sites/default/files/2019-06/PracticeGreenhealth_GHG_Toolkit_0.pdf

[14] Based on calculations from CalRecycle's website titled "Estimated Solid Waste Generation Rates," available at https://www2.calrecycle.ca.gov/wastecharacterization/general/rates.

Scope 1	Combustion	Mobile equipment	1,145
Total			**1,145**

Table 12: Proposed Emissions

Scope	Emission Type	Emission Sub-Type	Proposed CO_{2e} Emissions (tons/year)
Scope 1	Combustion	Stationary equipment	1,295
Scope 2	Off-site electricity	Grid-based	1,423
Scope 3	Off-site waste management	Area	2,373
Total			**5,091**

b. GHG Assessment

i. Describe any mitigation considered to reduce the project's GHG emissions.

Design strategies and other sustainability measures anticipated to be implemented in the proposed development to reduce emissions include:

- Energy end-use efficient appliances and equipment.
- Energy efficient lighting.
- Energy efficient building shells (i.e, a well insulated building).
- On-site geothermal energy use. There is an existing geothermal system on site and one or multiple of the cells that may continue to be used as an energy source that provides energy that can be extracted without burning fossil fuels.

ii. Describe and quantify reductions from selected mitigation, if proposed to reduce the project's GHG emissions. Explain why the selected mitigation was preferred.

The proposed mitigation listed in Item 18.b.i. includes best management practices for new construction and reducing GHG emissions where practicable during operations. Additionally, the project will develop a travel demand management plan to reduce use of single occupancy motor vehicles, and increase walking, bicycling, and transit as primary modes of travel to reduce GHG emissions from mobile sources.

iii. Quantify the proposed project's predicted net lifetime GHG emissions (total tons per number of years) and how those predicted emissions may affect achievement of the Minnesota Next Generation Energy Act goals and/or other more stringent state or local GHG reduction goals.

The Next Generation Energy Act requires the state to reduce greenhouse gas emissions in the state by 80 percent between 2005 and 2050, while supporting clean energy, energy efficiency, and supplementing other renewable energy standards in Minnesota. The MPCA's biennial GHG emissions reduction report from 2021[15]

[15] Available at https://www.pca.state.mn.us/air/state-and-regional-initiatives

identifies strategies for reducing emissions in the three economic sectors with the highest emissions – transportation, electricity generation, and agriculture, forestry, and land use.

The expected lifespan of the project is 50 years, which equates to an estimated 255,695 CO_2e metric tons over the lifetime of the building (including both construction and operations phases). The proposer is committed to implementing the sustainability measures listed in Item 18.b.i. to reduce operational emissions to the extent practicable. The proposed project will be built in compliance with state regulations and City of Ramsey code.

19. Noise

Describe sources, characteristics, duration, quantities, and intensity of noise generated during project construction and operation. Discuss the effect of noise in the vicinity of the project including 1) existing noise levels/sources in the area; 2) nearby sensitive receptors; 3) conformance to state noise standards; and 4) quality of life. Identify measures that will be taken to minimize or mitigate the effects of noise.

Existing Noise

The project site is in an urban area, and existing noise at the site is largely from the surrounding roadways. Nearby sensitive receptors include residences to the west and north.

Construction Noise

Typical construction noise will be temporarily generated by construction activities. The City of Ramsey Code of Ordinances regulates both the hours of operation for construction equipment and allowable noise levels. Construction of the project will adhere to requirements identified in City of Ramsey Code of Ordinance, Sec. 105-1, which states "It shall be unlawful to engage in or conduct any activity in the construction of any building or structure, or the laying of any pavement, including but not limited to the making of any excavation, clearing of surface land and loading or unloading material, equipment or supplies in any residential district of the city, except between the hours of 7:00 a.m. and 10:00 p.m. Monday through Saturday." A permit will be obtained from the City for work outside these hours. Additionally, all equipment shall be maintained and operated in such a manner to minimize noises as far as practicable.

Operational Noise

The City of Ramsey Code of Ordinances and the MPCA regulate noise. A noise study will be completed as part of the City's entitlement process to understand the existing and proposed noise conditions and identify any potential mitigation that may be needed so the proposed project complies with the local and state regulations.

20. Transportation

a. Describe traffic-related aspects of project construction and operation. Include 1) existing and proposed additional parking spaces; 2) estimated total average daily traffic generated; 3) estimated maximum peak hour traffic generated and time of occurrence; 4) source of trip generation rates used in the estimates; and 5) availability of transit and/or other alternative transportation modes.

For the sake of making a high-end estimate regarding the site's generated traffic, it was advised that the number of units should be estimated 10% higher than the current design includes.

Parking

The proposed project is anticipated to include approximately 619 new parking stalls for the residential developments and the existing church parking is unchanged.

Traffic Generation

It is estimated that the development will generate 153 new trips during the AM peak hour (40 entering, 113 exiting), 168 new trips during the PM peak hour (100 entering, 68 exiting), 161 new trips in the Sunday peak hour (86 entering, 75 exiting), and 1,849 daily trips. Trip generation estimates were based on Land Use Code (LUC) 221 (Multifamily Housing), ITE LUC 251 (Senior Adult Housing – Single-Family), and ITE LUC 252 (Senior Adult Housing – Multi-Family) in the ITE Trip Generation Manual, 11th Edition.

Table 7: Trip Generation Forecast

Land Use Description	Intensity	Daily	AM Peak Hour			SUN Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total	In	Out	Total
Multifamily Housing	303 Units	1,376	26	86	112	53	44	97	72	46	118
Senior Adult Housing – Townhomes	22 Units	94	2	4	6	3	2	5	4	3	7
Senior Adult Housing – Multi-Family	173 Units	561	12	23	35	30	29	59	24	19	43
Total Trip Generation		**1,849**	**40**	**113**	**153**	**86**	**75**	**161**	**100**	**68**	**168**

Pedestrians and Bicycles

There are existing pedestrian facilities/trails on both sides of Sunwood Dr, Dysprosium Rd and County Road 5. MN Highway 47 has a pedestrian/bicycle path on its east side only. There are marked crosswalks at all intersections that the pedestrian paths cross, as well as push-buttons at both of the stoplight controlled intersections. Internal walkways will connect buildings to each other; connections will be made with the existing trails along County Road 5.

Transit Service

There are no transit routes within a mile of the proposed site.

a. Discuss the effect on traffic congestion on affected roads and describe any traffic improvements necessary. The analysis must discuss the project's impact on the regional transportation system. *If the peak hour traffic generated exceeds 250 vehicles or the total daily trips exceeds 2,500, a traffic impact study must be prepared as part of the EAW. Use the format and procedures described in the Minnesota Department of*

Transportation's Access Management Manual, Chapter 5 (available at: http://www.dot.state.mn.us/accessmanagement/resources.html) or a similar local guidance.

A traffic impact study will be completed for this project based on the projected trip generation of the site (see Appendix E). The area's transportation network is expected to support the development within the project site with current intersection geometry. Metrics for traffic analysis include intersection delay as measured by level of service (LOS) and 95th percentile queue lengths. LOS grades range from A to F, with LOS A being the highest (best traffic flow and least delay), LOS E as saturated or at-capacity conditions, and LOS F being the lowest (oversaturated conditions). LOS D or better is generally considered acceptable operating conditions.

The traffic impact study will include intersection capacity analyses for intersections adjacent to the project site along County Road 5, MN Highway 47, and Sunwood Drive. Based on the results of the traffic impact study capacity analysis, all intersections are anticipated to operate with acceptable LOS in all analysis scenarios. Table 8 shows the LOS for the project site intersections in each analysis scenario.

Table 8: LOS Summary

Scenario			Intersection							
			CSAH 5 & Sunwood Drive	Sunwood Drive & Cobalt Street	MN-47 & Sunwood Road	CSAH 5 & 146th Avenue	CSAH 5 & Lord of Life Access	CSAH 5 & Iodine Street	CSAH 5 & Dysprosium Street	MN-47 & CSAH 5
Existing Year (2023)	AM	Delay (s)	13.9	4.5	7.2	10	2.3	10.1	15.2	16.8
		LOS	B	A	A	A	A	B	C	B
	PM	Delay (s)	28.6	4.5	13.1	4.6	2.4	40.2	8.4	20.4
		LOS	D	A	B	A	A	E	A	C
	Sunday	Delay (s)	8.5	2.1	7.1	4.3	2.6	6.1	8.4	17.3
		LOS	A	A	A	A	A	A	A	B
Opening Year (2027) No-Build	AM	Delay (s)	11.8	4.4	8.7	9.8	1.4	8.9	14.1	17.1
		LOS	B	A	A	A	A	A	B	B
	PM	Delay (s)	20.2	2	12.7	14.5	0.8	7	18.7	21.5
		LOS	C	B	B	B	A	A	C	C
	Sunday	Delay (s)	7.8	2	7	4.2	5.5	9.8	4.6	20
		LOS	A	A	A	A	A	A	A	B
Opening Year (2027) Build	AM	Delay (s)	13	4.6	8.8	6.4	10	24.5	25.2	17.6
		LOS	B	A	A	A	A	C	D	B
	PM	Delay (s)	20.6	4.6	8.5	19.2	0.7	26.8	18.5	21.7
		LOS	C	A	A	C	A	D	C	C
	Sunday	Delay (s)	19.2	4.1	8.4	15.3	2.5	19.5	25.1	17.3
		LOS	C	A	A	C	A	C	D	B
Horizon Year (2040) No-Build	AM	Delay (s)	15.4	4.2	8.2	10.6	3.1	25	18.1	17.7
		LOS	C	A	A	B	A	C	C	B
	PM	Delay (s)	15.8	4.1	14	10.7	14.1	15.4	17	22.7
		LOS	C	A	B	B	B	C	C	C

Scenario			Intersection							
			CSAH 5 & Sunwood Drive	Sunwood Drive & Cobalt Street	MN-47 & Sunwood Road	CSAH 5 & 146th Avenue	CSAH 5 & Lord of Life Access	CSAH 5 & Iodine Street	CSAH 5 & Dysprosium Street	MN-47 & CSAH 5
	Sunday	Delay (s)	7.8	2.5	6.5	6	5.8	15.3	6.5	17.6
		LOS	A	A	A	A	A	C	A	B
Horizon Year (2040) Build	AM	Delay (s)	15.5	4.4	8.3	60.2	10	31.5	35.7	19.6
		LOS	C	A	A	F	A	D	E	B
	PM	Delay (s)	19.3	2.9	14.7	17.5	14.1	18.5	20.4	25
		LOS	C	A	B	C	B	C	C	C
	Sunday	Delay (s)	7.5	2.3	6.9	6.9	5.7	11.1	7	19.3
		LOS	A	A	A	A	A	B	A	B

b. Identify measures that will be taken to minimize or mitigate project related transportation effects.

In all five analysis conditions, the study intersections generally operate at acceptable LOS, with only a few minor side street movements operating at a LOS worse than D. Additionally, all queues were maintained within their allotted storage areas. Since the conditions are acceptable in all scenarios, there are no mitigation changes recommended for this project.

21. Cumulative Potential Effects

a. Describe the geographic scales and timeframes of the project related environmental effects that could combine with other environmental effects resulting in cumulative potential effects.

Cumulative potential effects are defined as "the effect on the environment that results from the incremental effects of a project in addition to other projects in the environmentally relevant area that might reasonably be expected to affect the same environmental resources, including future projects actually planned or for which a basis of expectation has been laid, regardless of what person undertakes the other projects or what jurisdictions have authority over the projects."[16] The geographic areas considered for cumulative potential effects are those near the project site (within approximately one-half mile), and the timeframe considered includes projects that would be constructed in the reasonably foreseeable future.

[16] Minnesota Rules, part 4410.0200, subpart 11a

b. Describe any reasonably foreseeable future projects (for which a basis of expectation has been laid) that may interact with environmental effects of the proposed project within the geographic scales and timeframes identified above.

According to the Anoka County Highway Department Construction Finder[17], there are no foreseeable future projects within a half mile.

c. Discuss the nature of the cumulative potential effects and summarize any other available information relevant to determining whether there is potential for significant environmental effects due to these cumulative effects.

If reasonably foreseeable future projects are identified, potential impacts of these projects will be addressed as required by regulatory permitting and approval processes, minimizing the potential for cumulative effects.

22. Other Potential Environmental Effects

If the project may cause any additional environmental effects not addressed by Items 1 to 21, describe the effects here, discuss the how the environment will be affected, and identify measures that will be taken to minimize and mitigate these effects.

All known potentially adverse environmental impacts are addressed in the preceding EAW items.

[17] Available at http://gis.anokacountymn.gov/highway/

RGU Certification

*The Environmental Quality Board will only accept **SIGNED** Environmental Assessment Worksheets for public notice in the EQB Monitor.*

I hereby certify that:

- The information contained in this document is accurate and complete to the best of my knowledge.
- The EAW describes the complete project; there are no other projects, stages, or components other than those described in this document, which are related to the project as connected actions or phased actions, as defined at Minnesota Rules, parts 4410.0200, subparts 9c and 60, respectively,
- Copies of this EAW are being sent to the entire EQB distribution list.

Signature Date July 24, 2023

Title Todd A. Larson, Planning Manager

Figures

Figure 1. County Map

Figure 2. USGS Topographic Map

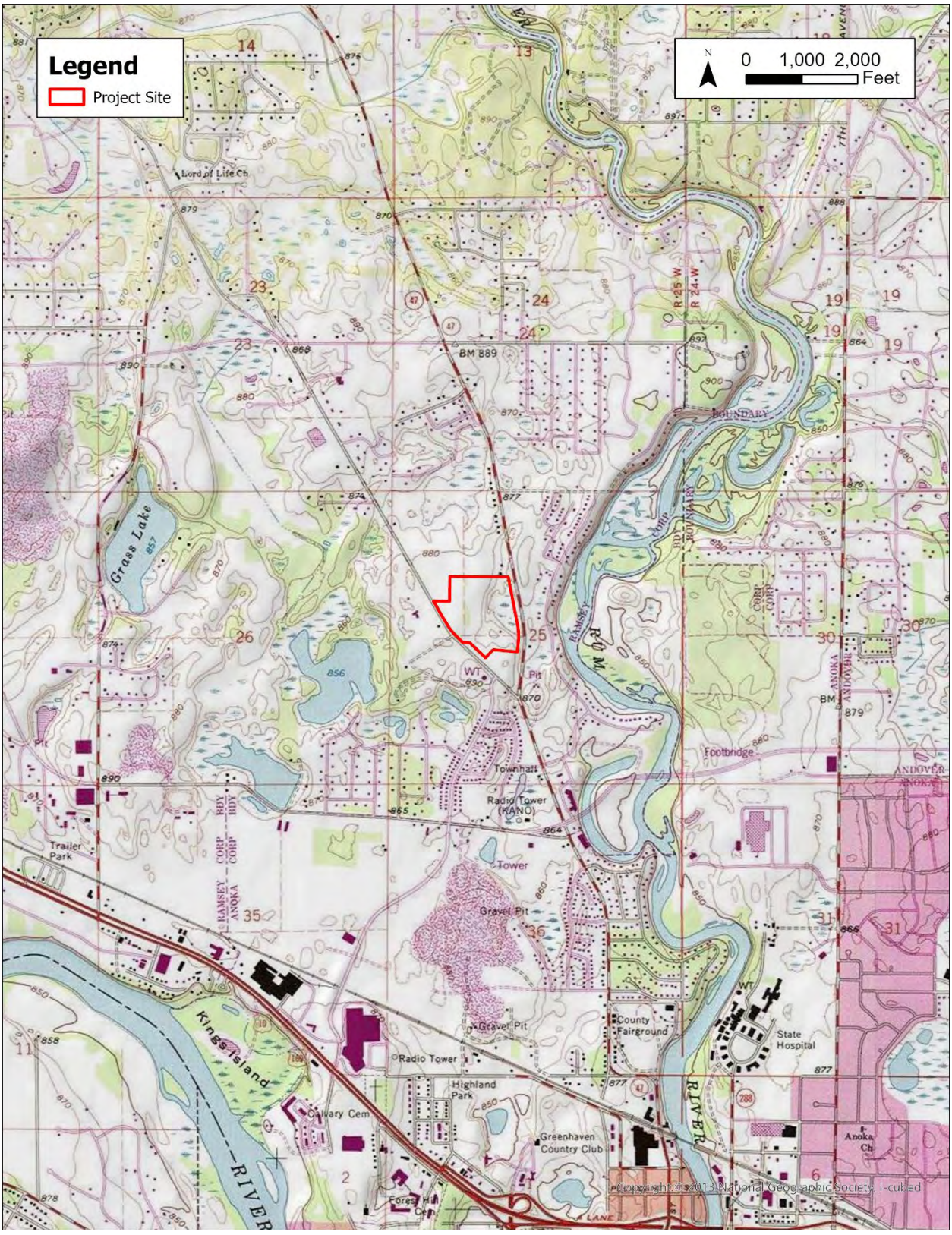


Figure 3: Existing Conditions

Figure 4. Existing Land Use

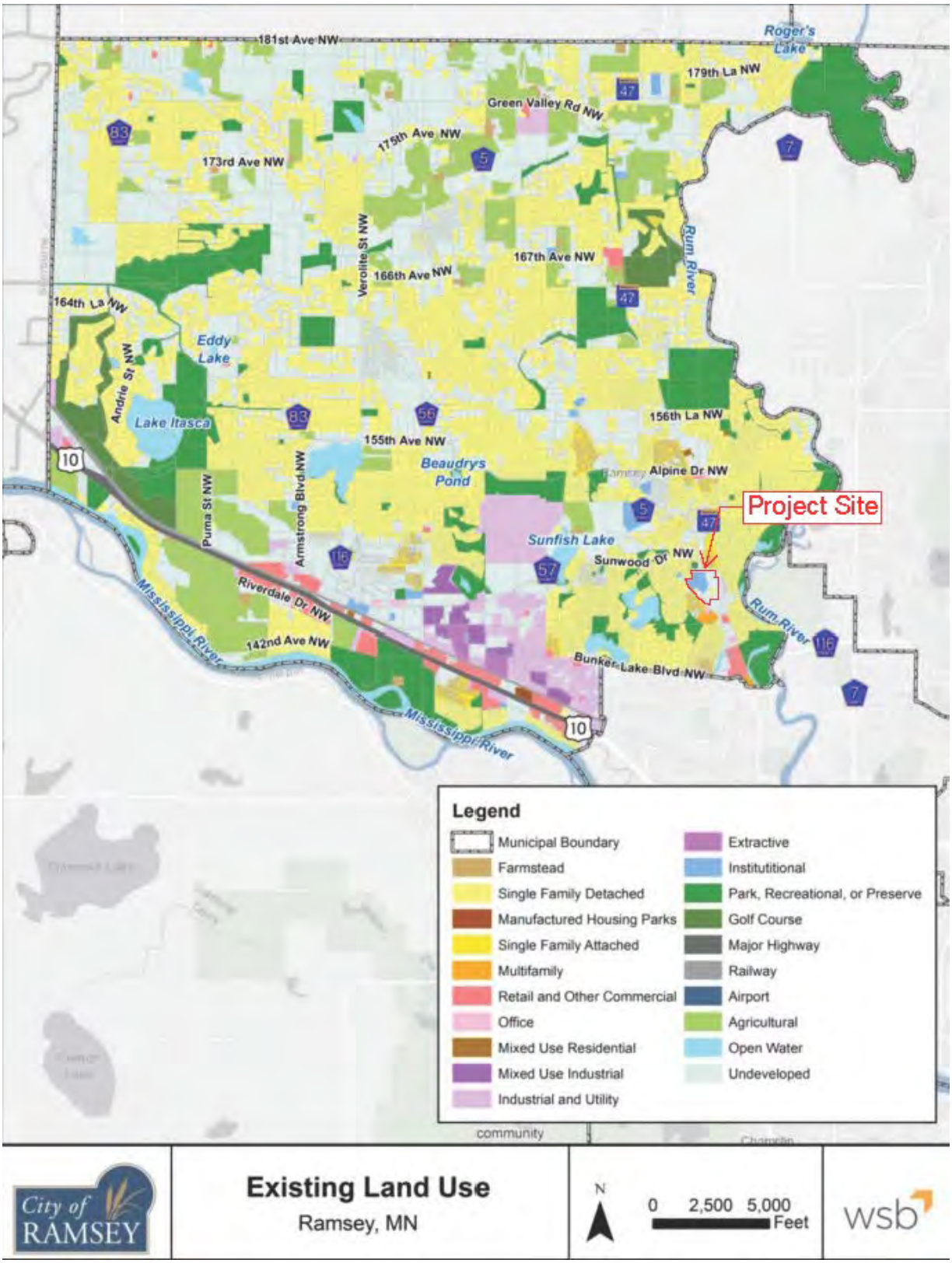


Figure 5. Future Land Use

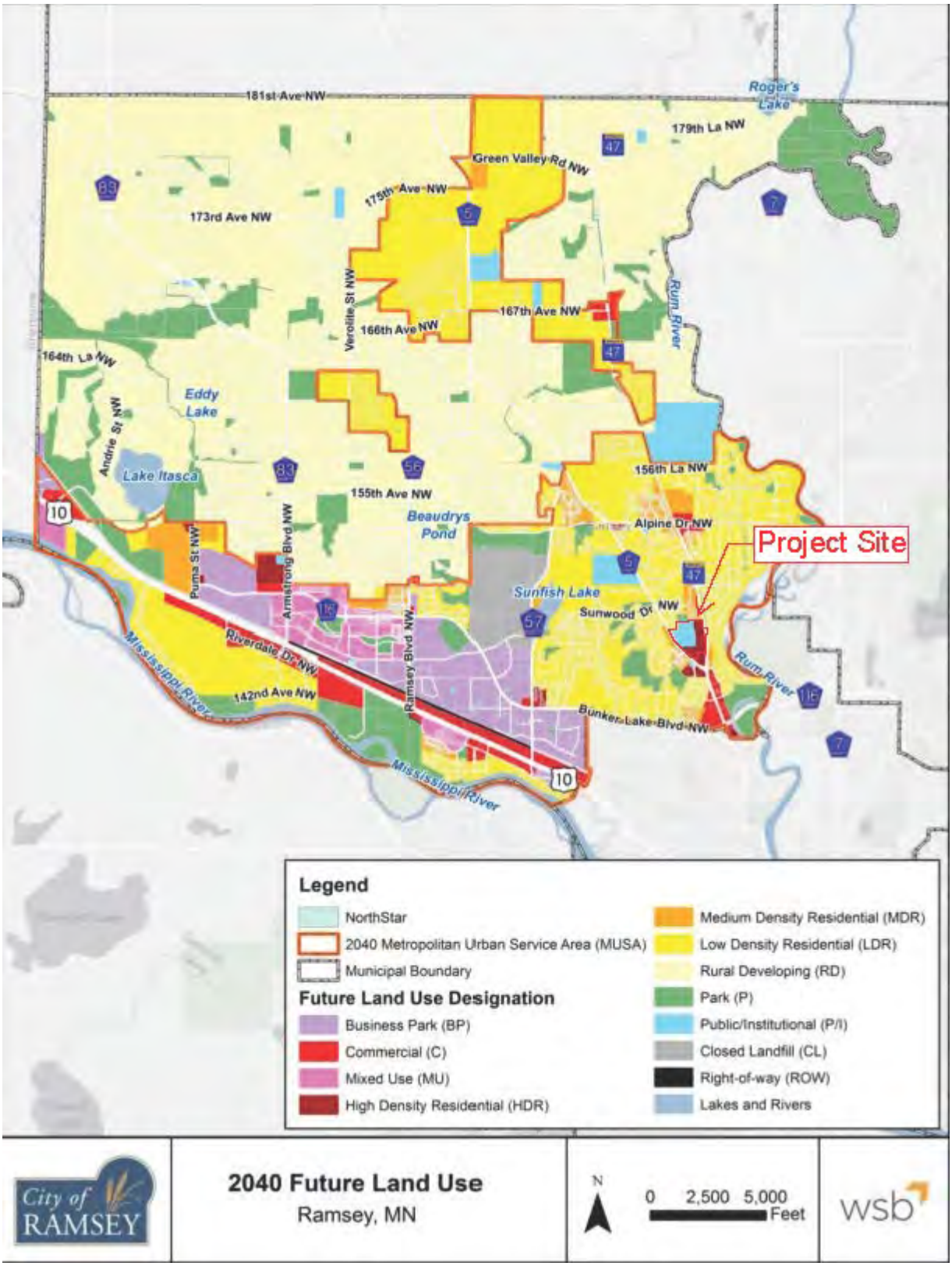


Figure 6. Existing Zoning

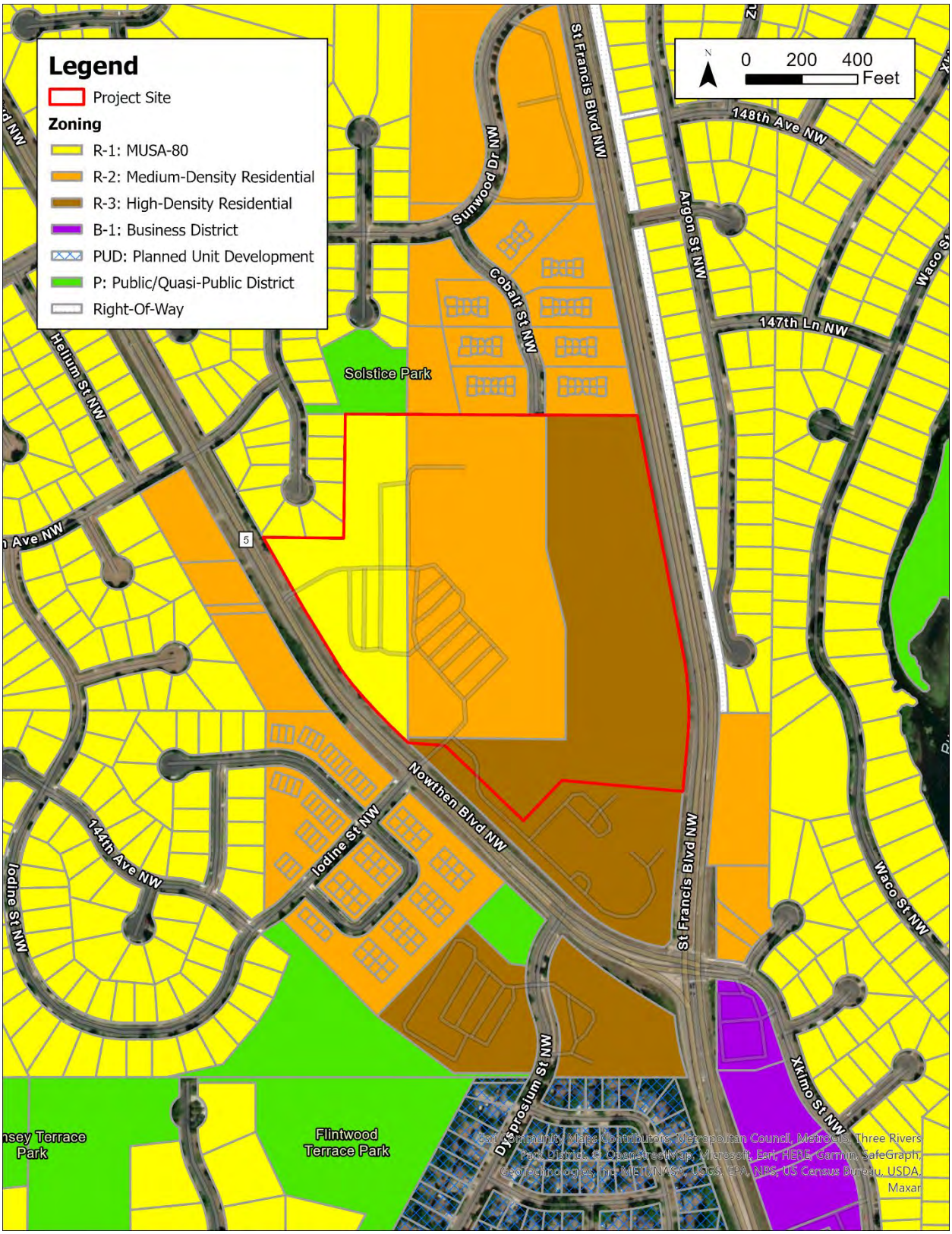


Figure 7. MnDNR Public Waters

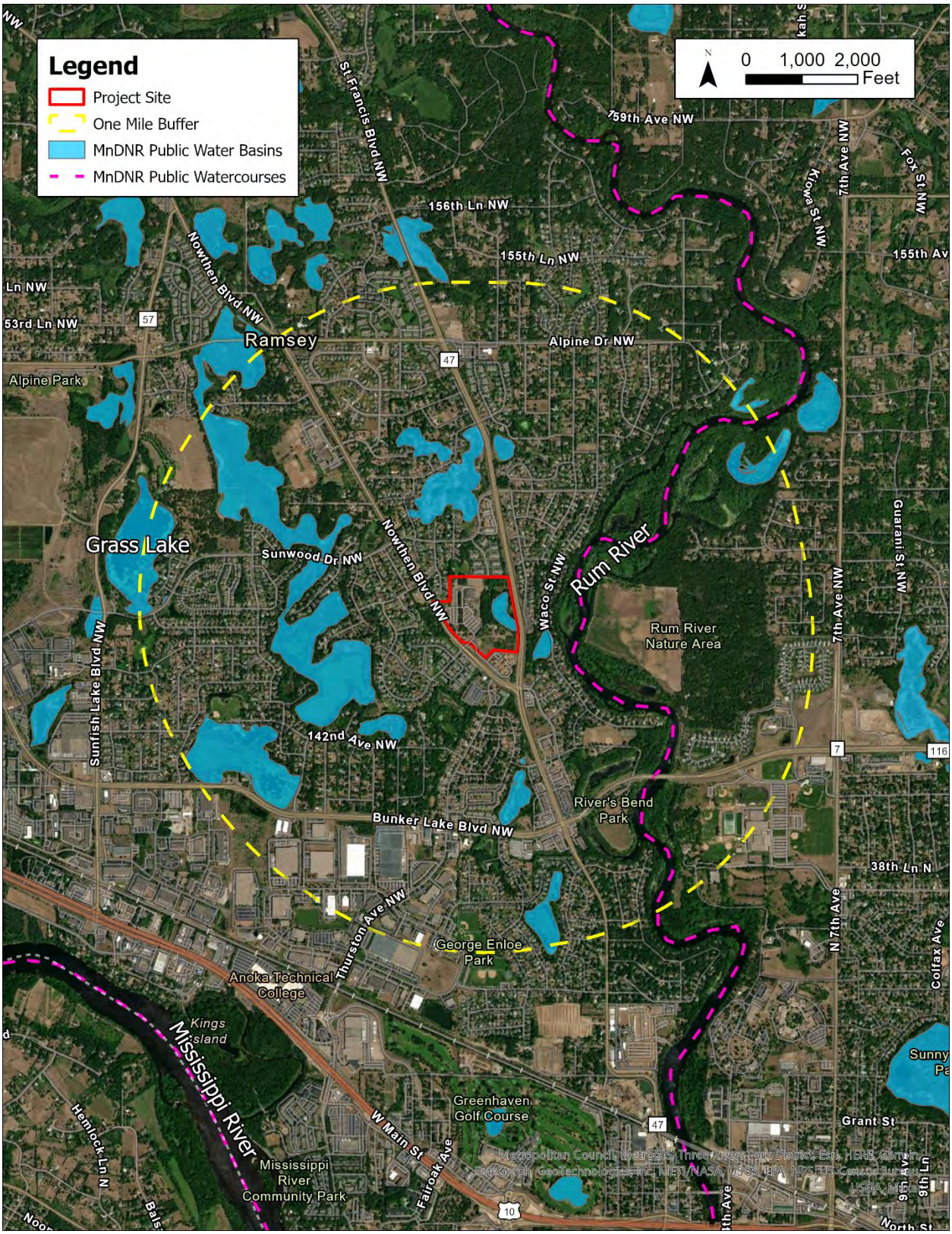


Figure 8. Delineated Wetlands

Figure 9. Depth to Water Table

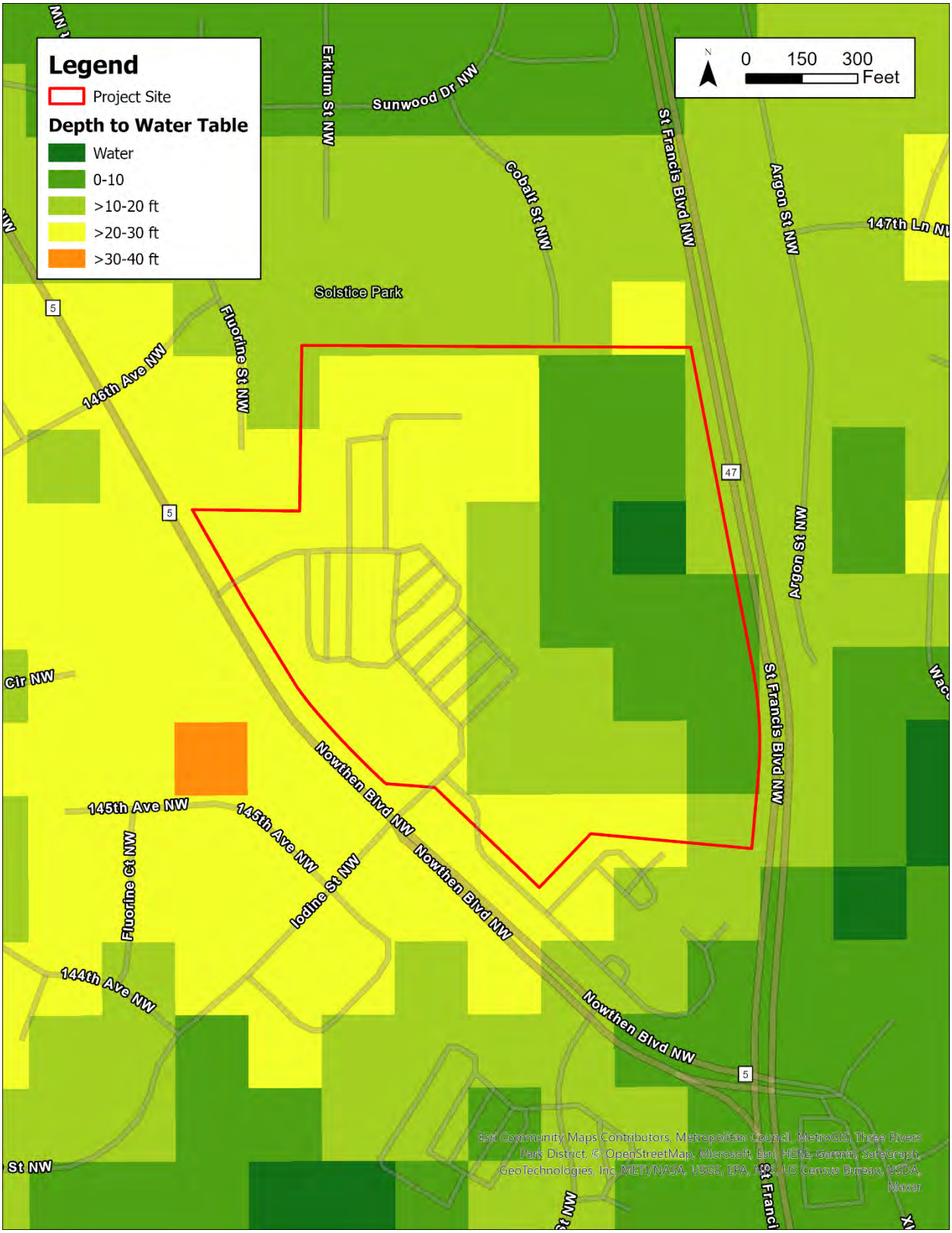


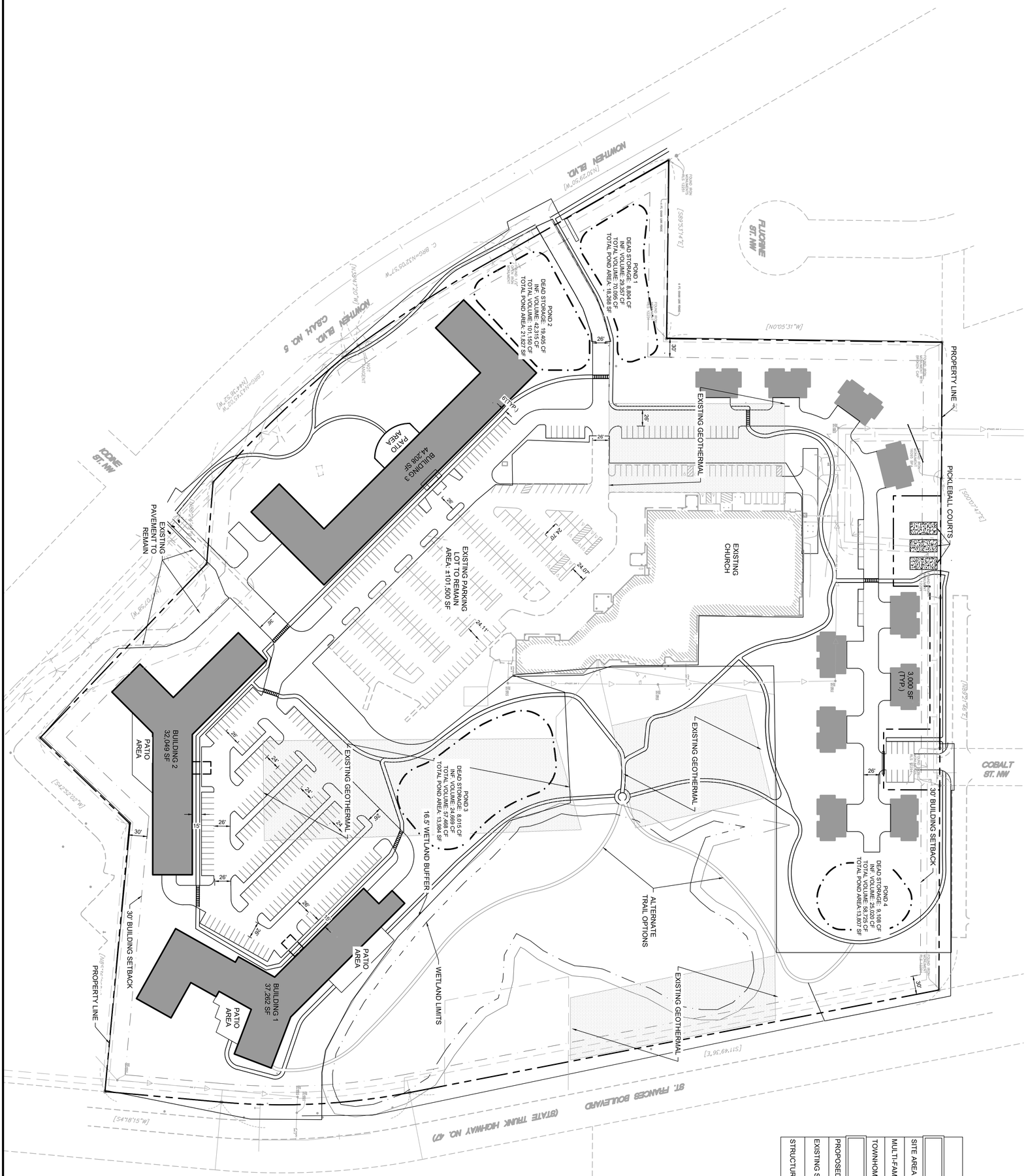
Figure 10. Minnesota Well Index

Figure 11. What's In My Neighborhood

Appendix A

Site Plan

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



BUILDING DATA SUMMARY

AREAS	
SITE AREA	35.53 AC
MULTI-FAMILY UNITS	476
TOWNHOME UNITS	22

PARKING	
PROPOSED SURFACE PARKING	263 STALLS
EXISTING SURFACE PARKING	231 STALLS
STRUCTURED PARKING	350 STALLS

GRAPHIC SCALE IN FEET 0 40 80 160

NORTH

Know what's below. Call before you dig. 811

PRELIMINARY - NOT FOR CONSTRUCTION

SHEET NUMBER C400

HAVILAND FIELDS

PREPARED FOR
BKV & SENIOR HOUSING PARTNERS
RAMSEY MN

CONCEPT SITE PLAN

KHA PROJECT	12345678
DATE	06/14/2023
SCALE	AS SHOWN
DESIGNED BY	RBW
DRAWN BY	GAR
CHECKED BY	MGC

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114
PHONE: 651-645-4197
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY

Appendix B

Delineation Report

Pinnacle Engineering
Owning Challenges. Winning Trust.

MINNEAPOLIS, MN
763.315.4501
11541 95th Ave N
Minneapolis, MN 55369

July 26, 2022

Mr. Jon Fletcher
Vice President
Presbyterian Homes & Services and Senior Housing Partners
2823 Hamline Avenue N, Roseville, MN 55113

RE: Level 2 Wetland Delineation Services
Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303
Pinnacle Project No.: EM20225225

Dear Mr. Fletcher:

Presbyterian Homes & Services and Senior Housing Partners retained Pinnacle Engineering, Inc. (Pinnacle) to conduct a Level 2, On-Site, Wetland Delineation of the Lord of Life Lutheran Church located at 14501 Nowthen Blvd. NW in Ramsey, Anoka County, Minnesota (Site). The wetland delineation was conducted as part of a potential Site improvements.

It was determined that two wetland areas are present at the Site. The determination was conducted in substantial conformance with the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual and consisted of a Level 2 On-Site Wetland Determination utilizing soil surveys, wetland inventory maps, topographic maps, and climatic records. The determination will be reviewed by a representative of the Army Corps of Engineers. The delineation will also be reviewed by the Lower Rum River watershed Management Organization (LRRWMO) which is the Local Governmental Unit (LGU) administering the Minnesota Wetland Conservation Act (WCA). The following report documents the methods and findings of the determination.

If you have any questions or wish to discuss any aspect of the project, please contact me at (612) 432-5590. We look forward to being of continued service to you.

Sincerely,
PINNACLE ENGINEERING, INC.

Scott Thelen
Staff Scientist, Certified Wetland Scientist #1249

WETLAND DETERMINATION and DELINEATION REPORT

FOR:

LORD OF LIFE LUTHERAN CHURCH
14501 NOWTHEN BLVD. NW
RAMSEY, MN 55303

Prepared For:

Presbyterian Homes & Services
and Senior Housing Partners
2823 Hamline Avenue N
Roseville, MN 55113

PREPARED BY:

Pinnacle Engineering, Inc.
11541 95th Avenue North
Maple Grove, Minnesota 55369

July 26, 2022

Pinnacle Project Number: EM20225225

Pinnacle Engineering
Owning Challenges. Winning Trust.

11541 95th Avenue N
Minneapolis, MN 55369
Phone: 763.315.4501

Offices in Minneapolis, MN • Bismarck, ND • Omaha, NE
Rochester, MN • Omaha, NE • Billings, MT • Helena, MT

WETLAND DETERMINATION AND DELINEATION

FOR:

LORD OF LIFE LUTHERAN CHURCH
14501 NOWTHEN BLVD. NW
RAMSEY, MN 55303

PREPARED FOR:

PRESBYTERIAN HOMES & SERVICES AND SENIOR HOUSING PARTNERS
2823 HAMLINE AVENUE N
ROSEVILLE, MN 55113

PREPARED BY:

PINNACLE ENGINEERING, INC.
11541 95th AVENUE NORTH
MAPLE GROVE, MINNESOTA 55369

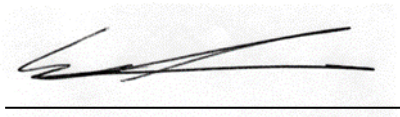
PINNACLE PROJECT NUMBER: EM20225225

July 26, 2022

Prepared By:

Scott Thelen
Senior Scientist
MN Wetland Delineator #1249

Reviewed By:



Eric Simonson
Senior Scientist

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1.0 INTRODUCTION

1.1 Introduction

Presbyterian Homes & Services and Senior Housing Partners retained Pinnacle Engineering, Inc. (Pinnacle) to conduct a Level 2, On-Site, Wetland Delineation of the Lord of Life Lutheran Church located at 14501 Nowthen Blvd. NW, Ramsey, Anoka County, Minnesota (Site). The Site consists of one parcel of land approximately 35.5 acres in size. The Site is within the SE ¼ of the NW ¼ of Section 25, Township 32N, Range 25W (Lat: 45.235659°, Long: -93.403106°). The Site includes the Lord of Life Lutheran Church, two houses, parking lots, fallow areas, uplands, and wetlands.

The purpose of the wetland delineation was to determine the presence of wetland areas on the Site. The Level 2 wetland delineation was conducted in substantial conformance with the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual, updated February 25, 1997, and utilizes the Midwest Regional Supplement. This report documents the methods and findings of the delineation. The local governmental unit (LGU) is the Lower Rum River Watershed Management Organization (LRRWMO).

1.2 Scope

Pinnacle conducted a Level 2 Onsite Wetland Determination and Delineation in accordance with the criteria established in the 1987 U. S. Army Corps of Engineers (ACOE) Wetland Delineation Manual, updated in 1997, utilizing the Midwest Regional Supplement. The work included the following items:

- Review of County Soil Surveys, USGS topographic maps, National Wetland Inventory (NWI) Maps, Public Water Inventory (PWI) maps, and aerial photographs.
- A site reconnaissance to determine if and where wetlands exist.
- Delineation of the identified wetlands within the area of interest boundaries.
- Preparation and submittal of this report summarizing the findings of our work.

2.0 BACKGROUND INFORMATION

2.1 Site Location and Use

The Site consists of one parcel approximately 35.5-acres in size, is within the SE ¼ of NW ¼ of Section 25, Township 32N, Range 25W (Lat: 45.235659°, Long: -93.403106°). The Site contains portions of the Lord of Life Lutheran church, parking lots, fallow areas, and wetlands. The property totals approximately 35.5-acres in size with property identification number (PID) 25-32-25-24-0059. Figure 1 shows the Site location and its current configuration.

2.2 Surveys and Maps

Pinnacle conducted a review of the Natural Resource Conservation Soil Survey, topographic maps, NWI, and PWI maps for the vicinity of the Site. The following sections summarize the information available at the time of this review.

2.2.1 Topographic Maps

The central property featuring the church building and parking lot appears to have an elevation of 886 elevation above mean sea level (AMSL). The Site appears to drain to the east and the west with elevations of 856 AMSL and 880 AMSL, respectively. The Site generally slopes to the wetland areas in the east and to a suspect wetland area in the western portion of the Site. Topographic contours are shown on Figure 2.

2.2.2 Soil Survey

The Natural Resources Conservation Service (NRCS) Web Soil Survey map, which is included as Figure 3, was reviewed for information pertaining to the Site soils. The Soil Survey indicated the Site soil units consist of:

- Nymore loamy sand, 1 to 6 percent slopes (D90B)
- Marsh (Mc)
- Nymore loamy coarse sand, 12 to 25 percent slopes (NrD)
- Nymore loamy sand, 0 to 2 percent slopes (NyA)
- Nymore loamy sand, 6 to 12 percent slopes (NyC)

Of the identified soil types, Marsh is considered a hydric soil.

2.2.3 Wetland Inventory Maps

The United States Fish and Wildlife Service (USFWS) NWI map for the Site area (Figure 4) depicted three wetland basins and four wetland types, as follows:

- Two wetland areas consisting of palustrine, emergent, persistent, temporary flooded, (PEM1A) wetlands.
- Two wetland areas consisting of palustrine, emergent, persistent, seasonally flooded, (PEM1C) wetlands.
- One wetland area consists of a palustrine, emergent, persistent, semi-permanently flooded, (PEM1F) wetland.
- One wetland area consists of a palustrine, unconsolidated bottom, semi-permanently flooded, (PUBF) wetland.

NWI maps generally show the approximate location of wetlands as of the time of publication.

2.2.4 Public Waters Inventory

The Minnesota Department of Natural Resources Public Waters Inventory (PWI) produces a map of the protected wetlands and waters of the State. The PWI map, which is included as Figure 5, identified a PWI protected basin number 02066500 within the Site. No PWI watercourses were identified within the Site boundaries.

3.0 WETLAND DETERMINATION

3.1 Methodology

The wetland determination was made utilizing the techniques of the Routine Level 2 Onsite Method, as described in the 1987 U. S. Army Corps of Engineers Wetland Delineation Manual, updated February 25, 1997 and utilizing the Midwest Regional Supplement. Determination of hydric soils, site hydrology, and hydrophytic vegetation were made according to the procedures and guidelines described in the manual. Sampling locations were selected to be representative of wetland/upland transition areas.

Scott Thelen of Pinnacle assessed the wetlands within the project area on July 19, 2022. The assessment included probing the soils to observe the color and moisture, as well as other available hydric soil indicators, such as mottling, gleying, and oxidized root channels. The characteristics noted for each sampling location are documented in the data forms, which are included in Appendix A. Potential wetland boundaries were collected using a handheld GPS unit and were flagged for survey by Sunde. The wetland areas are depicted on Figure 2. The wetland delineation was conducted at the beginning of the growing season with some remnant dormant vegetation present.

The 2022 seasonal antecedent rainfall amounts were below the normal precipitation amounts for this area. Precipitation amounts of 0.26 inches of rain occurred the fourteen days prior to the wetland delineation field visit. Hydrology was not anticipated to be present during the field visit.

3.2 Wetland Descriptions

Pinnacle identified two wetlands within the Site as depicted on Figure 2. NWI descriptions of the wetland classifications and types are found below. Table 3.2.1 below summarizes the findings of the field investigation. Data forms for the field investigation can be found in Appendix A and photographs in Appendix C.

Table 3.2.1
Wetlands Table
14501 Nowthen Blvd. NW,
Ramsey, Minnesota

Wetland ID	Delineated Wetland Type	Wetland Size ac/sf		NWI Wetland Type	Dominant Wetland Vegetation	Hydric Soil Indicator	Hydrology
W-1	PEM1C	3.05	132,858	PEM1C/PEM1F/ PEM1A	Cattails, et al.	Redox Dark Surface (F6)	Saturation (A3), Geomorphic Position ((D2)
W2	PEM1C/PUBF	0.47	20,473	PEM1C/PUBF	Cattails, et al.	Redox Dark Surface (F6)	Saturation (A3), Geomorphic Position ((D2)

Wetland Type PEM1A

The NWI Cowardin wetland classification system identifies the PEM1A label for a wetland that consists of a palustrine basin, dominated by persistent emergent vegetation, consisting of erect, rooted, herbaceous hydrophyte species that normally remain standing at least until the beginning of the next growing season, that is temporarily flooded. Surface water is present for brief periods during the growing season, but the water table usually lies well below the ground surface for most of the season. The NWI map for the Site area indicated two PEM1A wetlands, including one isolated wetland located in the west central portion of the Site, in the location of Suspect Area-1 (SA-1), and the other located in the southern portion of Wetland 1. The soils survey did not indicate hydric soils located within the SA-1 aera. The soil survey indicated hydric soils were present in the area of Wetland 1. The SA-1 area is most likely an excavated infiltration pond with a large culvert draining into it.

Wetland Type PEM1C

The NWI Cowardin wetland classification system identifies the PEM1C label for a wetland that consists of a palustrine basin, dominated by persistent emergent vegetation, consisting of erect, rooted, herbaceous hydrophyte species that normally remain standing at least until the beginning of the next growing season, that is seasonally flooded. Surface water is present for extended periods especially early in the growing season but is absent by the end of the growing season in most years. The water table, after flooding ceases, is variable, extending from saturated to the surface to a water table well below the ground surface. The NWI map for the Site area indicated two PEM1C wetlands contained within the Site boundaries. One of the these depicted areas corresponds to the northern portion of Wetland 1 and the other corresponds to the fringe of Wetland 2. The soils survey did

indicate hydric soils located within the Wetland 1 area. The soil survey did not depict hydric soils within the Wetland 2 area.

Wetland Type PUBF

The NWI Cowardin wetland classification system identifies the PUBF label for a wetland that consists of a palustrine basin, with an unconsolidated bottom that is semi-permanently flooded. This means that surface water persists throughout the growing season in most years, however when surface water is absent, the water table is usually at or very near the land surface. The NWI map for the Site area does indicates the PBUF wetland corresponds to Wetland 2. The soil survey did not indicate hydric soils are located within the Wetland 2 area. The Wetland 2 basin is most likely an excavated stormwater pond used to treat surficial runoff prior to entering the regional stormwater system .

4.0 DISCUSSION

Pinnacle performed a Level 2, On-Site, Wetland Delineation of the Lord of Life Lutheran Church located at 14501 Nowthen Blvd. NW, Ramsey, Anoka County, Minnesota (Site). The Site of approximately 35.5 acres consists of one parcel of land within the SE ¼ of NW ¼ of Section 25, Township 32N, Range 25W (Lat: 45.235659°, Long: -93.403106°). The underlying property contains the Lord of Life Lutheran Church, parking lots, fallow areas, and wetlands. The Site area has the PID of 25-32-25-24-0059. The Level 2 delineation was conducted in substantial conformance with the 1987 U.S. ACOE Wetland Delineation Manual, updated February 25, 1997, and utilized the Midwest Regional Supplement.

Site elevations range from approximately 886 feet AMSL to elevations of 856 feet AMSL and 880 feet AMSL in the east and the west areas of the Site. The NWI map indicated three wetland basins within the Site. The Soil Survey indicated hydric soils are located in the area of Wetland 2. The PWI map did not identify any PWI watercourses, however it did identify one PWI basin, number 02066500, within the Site.

The 2022 seasonal antecedent rainfall amounts were drier the normal precipitation amounts for this area. Precipitation amounts 0.26 inches of rain occurred the fourteen days prior to the wetland delineation field visit.

Wetland 1 is a depressional basin located in the north central portion of the Site. Under the Cowardin system a portion of Wetland 1 would be considered a palustrine, emergent, seasonally flooded (PEM1C) basin. Wetland 1 consists of a wetland area receiving drainage from the surrounding upland area. Under the Circular 39 system, the emergent portion of the wetland would be considered a type 3 wetland. Wetland 1 is dominated by hydrophytes comprised primarily of cattails. Hydric soils were found to be present. Hydrology appeared to be present and was based on saturation and standing water in the wetland basin. The wetland edge was determined along the edge of the wetland and

followed a distinct topographical and vegetation change. A weir connects Wetland 1 and Wetland 2. Wetland 1 is a public wetland basin (Basin number 02066500) protected by the Minnesota Department of Natural Resources.

Wetland 2 is a basin located in the east central portion of the Site. Under the Cowardin system portions of Wetland 2 would be considered a palustrine, emergent, seasonally flooded, (PEM1Cd) drained basin. The emergent portion of the wetland is surrounded in places by scrub shrub and forested wetlands and uplands. Wetland 2 consists of a depressional area receiving drainage from the surrounding upland area, from Wetland 1 through a weir, and a culvert appears to drain the wetland to the east. Under the Circular 39 system, the emergent portion of the wetland would be considered a type 3 wetland fringed with wetland types 6 and 7. Wetland 2 is dominated by hydrophytes comprised primarily of cattails. Hydric soils were found to be present. Hydrology appeared to be present and was based on saturation and standing water in the wetland basin. The wetland edge was determined along the edge of the wetland and followed a topography and vegetation change.

SA-1 is a basin located in the west central portion of the Site. SA-1 consists of a depressional area receiving drainage from the surrounding upland area and a large culvert in the northwest that appears adjacent to the parking lot. The SA-1 basin is depicted on the NWI map as an emergent wetland (PEM1A). SA-1 is not dominated by hydrophytes but is dominated by upland plants. Hydric soils and hydrology were not found to be present.

SA-2 is a basin located in the southwest portion of the Site. SA-2 consists of a depressional area receiving drainage from the surrounding upland area and a drainage from the adjacent the parking lot. SA-2 is not dominated by hydrophytes but is dominated by upland plants. Hydric soils and hydrology were not found to be present.

5.0 CONCLUSION

Pinnacle conducted a Level 2, On-Site, Wetland Delineation at the Lord of Life Lutheran Church located at 14501 Nowthen Blvd. NW, Ramsey, Anoka County, Minnesota. The approximately 35.5-acre Site contains the Lord of Life Lutheran Church, two houses, parking lots, fallow areas, uplands, and wetlands.

During the field assessment, it was determined that two areas within the Site met all three of the mandatory criteria of a wetland, and the wetland boundaries were recorded utilizing a handheld GPS device and were flagged for survey by others. One of the wetlands appears to be a storm water pond. The delineation will be reviewed by the Lower Rum River Watershed Management Organization which serves as the LGU administering Minnesota's Wetland Conservation Act and the U.S. Army Corps of Engineers, which administers the Clean Water Act.

6.0 STANDARD OF CARE

Environmental services performed by Pinnacle for the project have been conducted in a manner consistent with the degree of care and technical skill appropriately exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations or opinions contained in this report represent our professional judgment and are generally based upon available information and currently accepted practices for environmental professionals. Other than this, no other warranty is implied nor is it expressed.

7.0 REFERENCES

Eggers, Steve D. and Reed, Donald M., Wetland Plants and Plant Communities of Minnesota and Wisconsin, 1997, U. S. Army Corps of Engineers, St. Paul District.

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U. S. Army Corps of Engineers, U. S. Army Corps of Engineers Wetland Delineation Manual, 1987, updated on February 25, 1997, Washington, D. C.

Anoka County GIS. <https://gis.anokacountymn.gov/propertysearch/> (July 15, 2022).

FIGURE 1

Site Location Map

WETLAND DETERMINATION AND DELINEATION

Pinnacle Engineering
11541 95th Ave N.
Minneapolis, MN 55369
(763) 315-4501
www.pineng.com

PROJECT NUMBER: EM20225225 | DRAWN: ST | REVIEWED: ES | DATE: 07/14/2022

Figure 1.
Site Location

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND
Site
Site Boundary

File: Figure 1 - Site Location.mxd

FIGURE 2

Site Layout

WETLAND DETERMINATION AND DELINEATION

Pinnacle Engineering

11541 95th Ave N.
Minneapolis, MN 55369
(763) 315-4501
www.pineng.com

PROJECT NUMBER: EM20225225
DRAWN: ST
REVIEWED: ES
DATE: 07/20/2022

Figure 2.
Site Layout

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

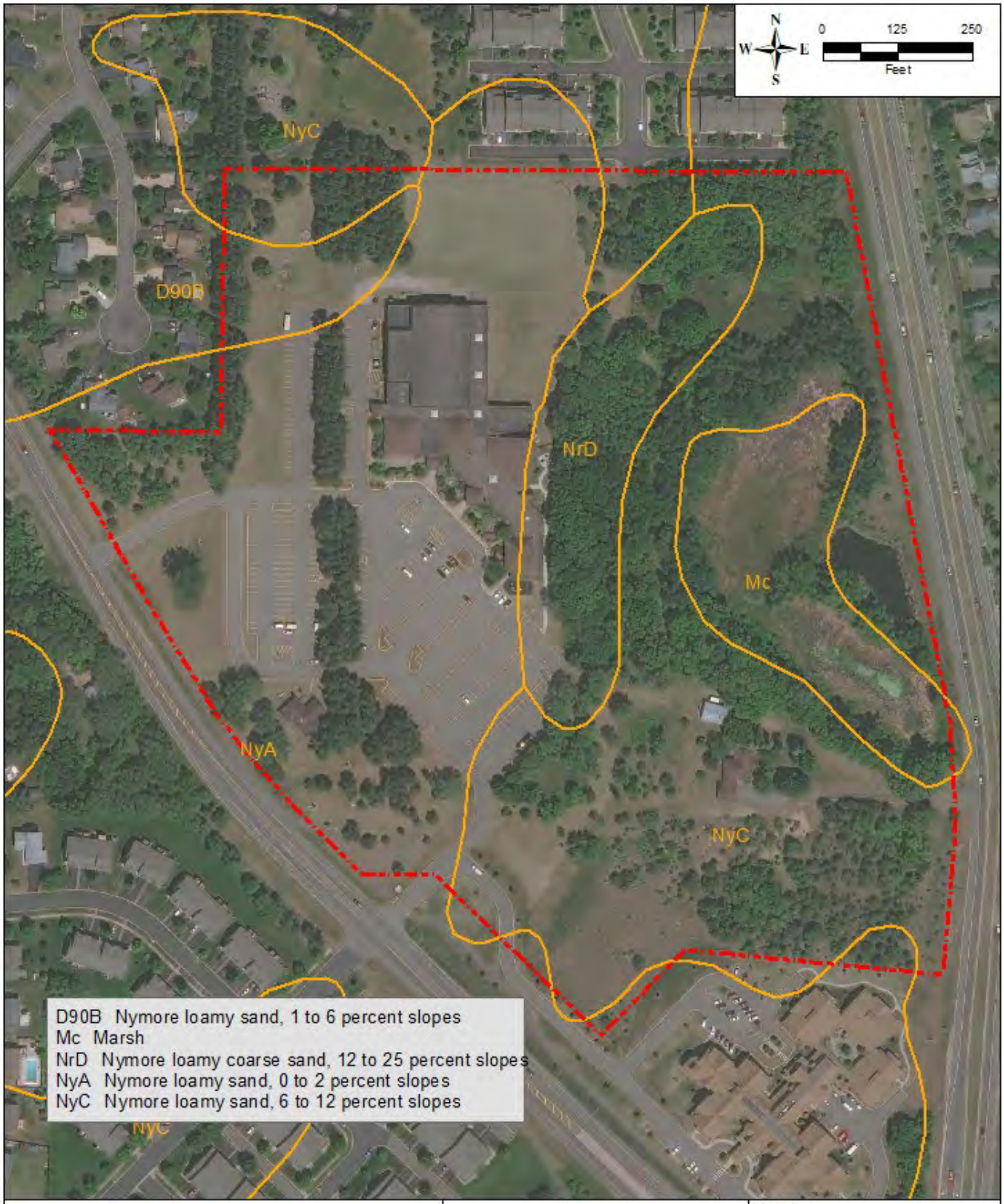
LEGEND
- Site Boundary
- Suspect Area
- 2ft Contour
- Wetland
- Sampling Point
- Transect

File: Figure 2 - Site Layout.mxd

FIGURE 3

Soil Survey

WETLAND DETERMINATION AND DELINEATION



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(763) 315-4501
www.pineng.com

PROJECT NUMBER: EM20225225 | DRAWN: ST | REVIEWED: ES | DATE: 07/14/2022

Figure 3.
NCRS Soils Map

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND
Site Boundary
NCRS Soils

File: Figure 3 - Soils.mxd

FIGURE 4

National Wetland Inventory

WETLAND DETERMINATION AND DELINEATION

File: Figure 4 - NWI.mxd

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DRAWN: ST
REVIEWED: ES

DATE: 07/14/2022

Figure 4.
NWI Map

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND

Site Boundary

FIGURE 5

Public Waters Inventory

WETLAND DETERMINATION AND DELINEATION

File: Figure 5 - PWI.mxd

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Figure 5.
PWI Map

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND
- Site Boundary
- PWI Basins
- PWI Watercourses

FIGURE 6

Wetland Communities

WETLAND DETERMINATION AND DELINEATION

Pinnacle Engineering

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Minneapolis, MN 55369
(763) 315-4501
www.pineng.com

PROJECT NUMBER: EM20225225 | DRAWN: ST | REVIEWED: ES | DATE: 07/20/2022

Figure 6.
Wetland Communities

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND
- Site Boundary
- Emergent
- Scrub Shrub
- Forested

File: Figure 6 - Wetland Communities.mxd

APPENDICES

APPENDIX A

Midwest Region Data Forms

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W1-1U

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Populus tremuloides*	30	Y	FAC
2. *Quercus alba*	20	Y	FACU
3.			
4.			
5.			
	50	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Lonicera tatarica*	20	Y	FACU
2. *Cornus racemosa*	10	Y	FAC
3.			
4.			
5.			
	30	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Solidago canadensis*	20	Y	FACU
2. *Galium boreale*	10	Y	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	30	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
	_____	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	0.00	x 2 =	0.00
FAC species	50.00	x 3 =	150.00
FACU species	60.00	x 4 =	240.00
UPL species	0.00	x 5 =	0.00
Column Totals:	110.00 (A)		390.00 (B)

Prevalence Index = B/A = 3.55

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W1-1U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 3/2	100					LS	
10-16	10YR 4/3	100					LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W1-1W

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Populus tremuloides*	30	Y	FAC
2. *Fraxinus pennsylvanica*	10	Y	FACW
3.			
4.			
5.			
	40 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15)			
1. *Cornus racemosa*	20	Y	FAC
2.			
3.			
4.			
5.			
	20 = Total Cover		
Herb Stratum (Plot size: 5)			
1. *Typha latifolia*	30	Y	OBL
2. *Carex lacustris*	20	Y	OBL
3. *Solidago canadensis*	10	N	FACU
4. *Onoclea sensibilis*	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
	70 = Total Cover		
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
	_____ = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	50.00	x 1 =	50.00
FACW species	20.00	x 2 =	40.00
FAC species	50.00	x 3 =	150.00
FACU species	10.00	x 4 =	40.00
UPL species	0.00	x 5 =	0.00
Column Totals:	130.00 (A)		280.00 (B)

Prevalence Index = B/A = 2.15

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

✓ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W1-1W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 2/1	100					LS	
10-15	10YR 4/1	95	10YR 4/6	5			LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ✓ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 6

Wetland Hydrology Present? Yes ✓ **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W1-2U

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Quercus rubra*	20	Y	FACU
2. *Quercus alba*	20	Y	FACU
3.			
4.			
5.			
	40	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Rhamnus cathartica*	20	Y	FAC
2. *Lonicera tatarica*	10	Y	FACU
3. *Cornus racemosa*	10	Y	FAC
4.			
5.			
	40	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Solidago canadensis*	20	Y	FACU
2. *Galium boreale*	10	Y	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	30	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1. ***Vitis riparia***	5	Y	FACW
2.			
	5	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	5.00	x 2 =	10.00
FAC species	40.00	x 3 =	120.00
FACU species	70.00	x 4 =	280.00
UPL species	0.00	x 5 =	0.00
Column Totals:	115.00 (A)		410.00 (B)

Prevalence Index = B/A = 3.57

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W1-2U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 3/2	100					LS	
8-15	10YR 5/4	100					LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W1-2W

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓	No _____	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Quercus alba*	10	Y	FACU
2. *Fraxinus pennsylvanica*	10	Y	FACW
3.			
4.			
5.			
	20	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Rhamnus cathartica*	30	Y	FAC
2. *Cornus racemosa*	20	Y	FAC
3.			
4.			
5.			
	50	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Typha latifolia*	20	Y	OBL
2. *Onoclea sensibilis*	10	Y	FACW
3. *Solidago canadensis*	10	Y	FACU
4. *Carex lacustris*	10	Y	OBL
5.			
6.			
7.			
8.			
9.			
10.			
	50	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	30.00	x 1 =	30.00
FACW species	20.00	x 2 =	40.00
FAC species	50.00	x 3 =	150.00
FACU species	20.00	x 4 =	80.00
UPL species	0.00	x 5 =	0.00
Column Totals:	120.00 (A)		300.00 (B)

Prevalence Index = B/A = 2.5

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

✓ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W1-2W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 2/1	100					LS	
8-16	10YR 4/1	95	10YR 4/6	5			LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ✓ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 8

Wetland Hydrology Present? Yes ✓ **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W2-1U

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 0-2 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Cornus racemosa*	10	Y	FAC
2.			
3.			
4.			
5.			
	10	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Solidago canadensis*	20	Y	FACU
2. *Dactylis glomerata*	20	Y	FACU
3. *Rudbeckia hirta*	10	Y	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	50	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1. ***Vitis riparia***	5	Y	FACW
2.			
	5	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 40.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	5.00	x 2 =	10.00
FAC species	10.00	x 3 =	30.00
FACU species	50.00	x 4 =	200.00
UPL species	0.00	x 5 =	0.00
Column Totals:	65.00 (A)		240.00 (B)

Prevalence Index = B/A = 3.69

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W2-1U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 3/1	100					LS	
10-18	10YR 4/3	100					LCOS	
12-16	10YR 4/1	100					LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W2-1W

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 0-2 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓	No _____	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Salix interior*	40	Y	FACW
2. *Fraxinus pennsylvanica*	5	N	FACW
3.			
4.			
5.			
	45	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Salix interior*	30	Y	FACW
2.			
3.			
4.			
5.			
	30	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Typha latifolia*	20	Y	OBL
2. *Carex lacustris*	10	Y	OBL
3. *Onoclea sensibilis*	10	Y	FACW
4. *Lycopus americanus*	10	Y	OBL
5.			
6.			
7.			
8.			
9.			
10.			
	50	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	40.00	x 1 =	40.00
FACW species	85.00	x 2 =	170.00
FAC species	0.00	x 3 =	0.00
FACU species	0.00	x 4 =	0.00
UPL species	0.00	x 5 =	0.00
Column Totals:	125.00 (A)		210.00 (B)

Prevalence Index = B/A = 1.68

Hydrophytic Vegetation Indicators:

✓ 1 - Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

✓ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W2-1W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 2/1	100					LS	
6-12	10YR 4/1	95	10YR 4/6	5			LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ✓ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 8

Wetland Hydrology Present? Yes ✓ **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Standing water in middle of wetland.

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: SA-1

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Populus deltoides*	20	Y	FAC
2.			
3.			
4.			
5.			
	20 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
Herb Stratum (Plot size: 5)			
1. *Poa pratensis*	20	Y	FAC
2. *Digitaria ischaemum*	20	Y	FACU
3. *Ambrosia artemisiifolia*	10	N	FACU
4. *Taraxacum officinale*	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
	55 = Total Cover		
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.67 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	0.00	x 2 =	0.00
FAC species	40.00	x 3 =	120.00
FACU species	35.00	x 4 =	140.00
UPL species	0.00	x 5 =	0.00
Column Totals:	75.00 (A)		260.00 (B)

Prevalence Index = B/A = 3.47

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: SA-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 2/1	100					LS	
6-16	10YR 3/1	100					LS	
16-24	10YR 4/4	100					LCOS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: SA-2

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 0-2 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Rubus idaeus*	10	Y	FACU
2.			
3.			
4.			
5.			
	10	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Bromus inermis*	60	Y	FACU
2. *Asclepias syriaca*	10	N	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	70	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	0.00	x 2 =	0.00
FAC species	0.00	x 3 =	0.00
FACU species	80.00	x 4 =	320.00
UPL species	0.00	x 5 =	0.00
Column Totals:	80.00 (A)		320.00 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: SA-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 3/3	100					LS	
4-16	10YR 5/4	100					LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

APPENDIX B

Wetland Boundary Applications

Project Name and/or Number:

PART ONE: Applicant Information

If applicant is an entity (company, government entity, partnership, etc.), an authorized contact person must be identified. If the applicant is using an agent (consultant, lawyer, or other third party) and has authorized them to act on their behalf, the agent's contact information must also be provided.

Applicant/Landowner Name: Presbyterian Homes & Services and Senior Housing Partners, 553
Mailing Address: 2823 Hamline Avenue N, Roseville, MN 55113
Phone: 651.383.5689
E-mail Address: jfletcher@seniorpartners.com

Authorized Contact (do not complete if same as above): Pinnacle Engineering, Inc.
Mailing Address: 11541 95th Avenue North, Maple Grove, MN 55369
Phone: 612-432-5590
E-mail Address: sthelen@pineng.com

Agent Name: Scott Thelen
Mailing Address: 11541 95th Avenue North, Maple Grove, MN 55369
Phone: 612.432.5590
E-mail Address: sthelen@pineng.com

PART TWO: Site Location Information

County: Anoka County **City/Township:** Ramsey
Parcel ID and/or Address: 25-32-25-24-0059
Legal Description (Section, Township, Range): Section 25, Township 32N, Range 25W
Lat/Long (decimal degrees): Lat: 45.235659°, Long: -93.403106°
Attach a map showing the location of the site in relation to local streets, roads, highways.
Approximate size of site (acres) or if a linear project, length (feet): 35.5 acre

If you know that your proposal will require an individual Permit from the U.S. Army Corps of Engineers, you must provide the names and addresses of all property owners adjacent to the project site. This information may be provided by attaching a list to your application or by using block 25 of the Application for Department of the Army permit which can be obtained at:

http://www.mvp.usace.army.mil/Portals/57/docs/regulatory/RegulatoryDocs/engform_4345_2012oct.pdf

PART THREE: General Project/Site Information

If this application is related to a delineation approval, exemption determination, jurisdictional determination, or other correspondence submitted ***prior to*** this application then describe that here and provide the Corps of Engineers project number.

Describe the project that is being proposed, the project purpose and need, and schedule for implementation and completion. The project description must fully describe the nature and scope of the proposed activity including a description of all project elements that effect aquatic resources (wetland, lake, tributary, etc.) and must also include plans and cross section or profile drawings showing the location, character, and dimensions of all proposed activities and aquatic resource impacts.

Potential grounds improvement project.

Project Name and/or Number:

PART FOUR: Aquatic Resource Impact[1] Summary

If your proposed project involves a direct or indirect impact to an aquatic resource (wetland, lake, tributary, etc.) identify each impact in the table below. Include all anticipated impacts, including those expected to be temporary. Attach an overhead view map, aerial photo, and/or drawing showing all of the aquatic resources in the project area and the location(s) of the proposed impacts. Label each aquatic resource on the map with a reference number or letter and identify the impacts in the following table.

Aquatic Resource ID (as noted on overhead view)	**Aquatic Resource Type** (wetland, lake, tributary etc.)	**Type of Impact** (fill, excavate, drain, or remove vegetation)	**Duration of Impact** Permanent (P) or Temporary (T)[1]	**Size of Impact**[2]	**Overall Size of Aquatic Resource** [3]	**Existing Plant Community Type(s)** in Impact Area[4]	**County, Major Watershed #, and Bank Service Area #** of Impact Area[5]

[1]If impacts are temporary; enter the duration of the impacts in days next to the "T". For example, a project with a temporary access fill that would be removed after 220 days would be entered "T (220)".
[2]Impacts less than 0.01 acre should be reported in square feet. Impacts 0.01 acre or greater should be reported as acres and rounded to the nearest 0.01 acre. Tributary impacts must be reported in linear feet of impact and an area of impact by indicating first the linear feet of impact along the flowline of the stream followed by the area impact in parentheses). For example, a project that impacts 50 feet of a stream that is 6 feet wide would be reported as 50 ft (300 square feet).
[3]This is generally only applicable if you are applying for a de minimis exemption under MN Rules 8420.0420 Subp. 8, otherwise enter "N/A".
[4]Use *Wetland Plants and Plant Community Types of Minnesota and Wisconsin* 3rd Ed. as modified in MN Rules 8420.0405 Subp. 2.
[5]Refer to Major Watershed and Bank Service Area maps in MN Rules 8420.0522 Subp. 7.

If any of the above identified impacts have already occurred, identify which impacts they are, and the circumstances associated with each:

PART FIVE: Applicant Signature

☐ Check here if you are requesting a pre-application consultation with the Corps and LGU based on the information you have provided. Regulatory entities will not initiate a formal application review if this box is checked.

By signature below, I attest that the information in this application is complete and accurate. I further attest that I possess the authority to undertake the work described herein.

Signature: _____ July 26, 2022

I hereby authorize _____ to act on my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this application.

[1] The term "impact" as used in this joint application form is a generic term used for disclosure purposes to identify activities that may require approval from one or more regulatory agencies. For purposes of this form it is not meant to indicate whether or not those activities may require mitigation/replacement.

Project Name and/or Number:

Attachment A
Request for Delineation Review, Wetland Type Determination, or Jurisdictional Determination

By submission of the enclosed wetland delineation report, I am requesting that the U.S. Army Corps of Engineers, St. Paul District (Corps) and/or the Wetland Conservation Act Local Government Unit (LGU) provide me with the following (check all that apply):

☐ **Wetland Type Confirmation**

☒ **Delineation Concurrence**. Concurrence with a delineation is a written notification from the Corps and a decision from the LGU concurring, not concurring, or commenting on the boundaries of the aquatic resources delineated on the property. Delineation concurrences are generally valid for five years unless site conditions change. Under this request alone, the Corps will not address the jurisdictional status of the aquatic resources on the property, only the boundaries of the resources within the review area (including wetlands, tributaries, lakes, etc.).

☐ **Preliminary Jurisdictional Determination**. A preliminary jurisdictional determination (PJD) is a non-binding written indication from the Corps that waters, including wetlands, identified on a parcel may be waters of the United States. For purposes of computation of impacts and compensatory mitigation requirements, a permit decision made on the basis of a PJD will treat all waters and wetlands in the review area as if they are jurisdictional waters of the U.S. PJDs are advisory in nature and may not be appealed.

☐ **Approved Jurisdictional Determination**. An approved jurisdictional determination (AJD) is an official Corps determination that jurisdictional waters of the United States are either present or absent on the property. AJDs can generally be relied upon by the affected party for five years. An AJD may be appealed through the Corps administrative appeal process.

In order for the Corps and LGU to process your request, the wetland delineation must be prepared in accordance with the 1987 Corps of Engineers Wetland Delineation Manual, any approved Regional Supplements to the 1987 Manual, and the *Guidelines for Submitting Wetland Delineations in Minnesota* (2013).
http://www.mvp.usace.army.mil/Missions/Regulatory/DelineationJDGuidance.aspx

Lower Rum River WMO

Permit # _____

APPLICATION FOR MINNESOTA WETLAND CONSERVATION ACT (WCA) DECISIONS AND PROCEDURE REQUIREMENTS

A $75.00 LRRWMO initial application fee and the appropriate escrow deposits (determined in accordance with Attachment W3) must accompany this permit application for any Wetland Conservation Act (WCA) decisions. These are separate and in addition to permit and escrow fees for Grading, Stormwater Management, and Erosion/Sediment Control permit application, if applicable.

Permits are to be processed at the same time as the site plan, preliminary plat or other city land use or building application submitted to the city in which the work or project is located.

Wetland permit processing takes longer than other permit processing. The permit application and supporting documentation should be submitted to the LRRWMO AT LEAST 60 DAYS PRIOR TO THE REGULARLY SCHEDULED MONTHLY LRRWMO MEETING AT WHICH A DECISION IS REQUESTED. A PERMIT NUMBER WILL NOT BE ASSIGNED UNTIL CITY AUTHORIZATION IS RECEIVED.

Project Name: Presbyterian Homes & Services and Senior Housing Partners/Lord of Life Lutheran Church

Address/Location: 14501 Nowthen Blvd. NW, Ramsey, Anoka County, Minnesota

Project Description/Purpose: Potential grounds improvement project.

Lord of Life Lutheran Church	Jon Fletcher Presbyterian Homes & Services and Senior Housing Partners
Name of Applicant (Site Owner or Property Owner)	**Applicant's Contact Organization Name**
14501 Nowthen Blvd	2823 Hamline Avenue N,
Address	**Address**
Ramsey, MN 55303	Roseville, MN 55113
City, State, Zip	**City, State, Zip**
	651.383.5689
Phone Fax	**Phone Fax**
	jfletcher@seniorpartners.com
Email	**Email**

Submittal Requirements

Complete applications are to be submitted as per LRRWMO attachments W1 (Permit Requirements), W2 (Office Procedure), and W3 (Fees, Deposit, and Sureties for Wetland Conservation Act) included with this application. Projects may also require a LRRWMO Grading, Stormwater Management, and Erosion/Sediment Control Permit (separate application and fee/escrow amounts)

PROJECT SUBMITTALS (check all that apply):

- [X] **WETLAND BOUNDARY DELINEATION AND TYPE CONCURRENCE**
- [ ] **REQUEST FOR NO LOSS OR EXEMPTION UNDER THE WETLAND CONSERVATION ACT (WCA)**
- [ ] **WETLAND REPLACEMENT PLAN AND/OR SEQUENCING**
- [ ] **WETLAND BANKING PLAN**
- [ ] **OTHER**

Lower Rum River WMO

START OF PROJECT: _____ EST. COMPLETION DATE: _____ APPROVAL DATE: _____

By signing this Permit Application, the undersigned consents and agrees on behalf of the Applicant that:

1. The permit application fee is non-refundable. Escrow deposits will be held by the LRRWMO until the project has been completed and all conditions of issuance of the permit are satisfied. The Applicant is responsible for all expenses incurred by the LRRWMO in the processing, administration and enforcement of the permit application and permit. The escrow deposit will be used to reimburse the LRRWMO for all expenses incurred by the LRRWMO in processing, administering and enforcing the permit application and permit, including engineering, legal and other consultant costs. If such expenses exceed the escrow deposit, the LRRWMO will bill the Applicant or Permittee for such excess amount and payment will be due within twenty (20) days of mailing the invoice. Timely payment of such invoices is a condition of all permits and work may be stopped on the project for failure to make payments when due.
2. The undersigned, its agents, principal, assigns and/or representatives (hereinafter "Permittee") shall abide by all the standard conditions and special terms and conditions of the LRRWMO.
3. Any work that violates the terms of the permit may result in the LRRWMO or the City in which the work is being done immediately causing the work on the project relating to the permit to cease and desist. All work on the project shall cease until the permit conditions are met and approved by the LRRWMO and/or the City in which the work is being done.
4. The Permittee agrees to be bound by the terms of the LRRWMO permit requirements, final permit, standard conditions, and special conditions required by the LRRWMO for approval of the permit. The undersigned has the authority to bind the permit holder, the owner of the property and/or any entity performing work on the property pursuant to the terms of LRRWMO permit, and shall be responsible for complying with terms of the LRRWMO permit.

"I certify that I have thoroughly read and understand the above information."

Signature of property owner or designated Agent (no agent without a letter of authority)	Date	Signature of applicant if different from property owner	Date
Print Signer's name		Print Signer's name	

Application Acknowledged by City:

Name of City Official	City	Date

SIGNATURE OF LRRWMO CHAIRMAN: **

NOTE: Subject to conditions as designated in the WCA Notice of Decision as recommended by the Technical Evaluation Panel and Barr Engineering (see attached)

PERMIT IS NOT VALID IF PROJECT HAS NOT STARTED WITHIN ONE YEAR FROM DATE OF APPROVAL

LRRWMO Attachment W1

PERMIT REQUIREMENTS

APPLICATION DEADLINE: Third Thursday of the month for consideration at the following regularly scheduled monthly LRRWMO board meeting on third Thursday of month.

REQUIRED SUBMITTALS:

1. Completed Permit Application Form (attached)
2. $75 LRRWMO initial application fee plus an escrow deposit determined in accordance with Attachment W3 for any Wetland Conservation Act (WCA) decisions.
3. Wetland Permitting Information
   a. The permit applicant is responsible for ensuring wetland applications are in complete compliance with the Wetland Conservation Act of 1991 and applicable documentation is provided as listed on the Minnesota Board of Water and Soil Resources (BWSR) website:

      http://www.bwsr.state.mn.us/.

      Permit applicants shall refer to the BWSR website for sample application forms and check lists. These forms will be used for reviewing wetland applications. Failure to provide a complete application will result in delays in permit review.

   b. When working near DNR public waters, applicants shall submit information indicating the OHW (ordinary high water) level and the wetland boundary according to the WCA of 1991. Availability of OHW information is available from the MDNR Area Hydrologist. When working in DNR Public Waters, an online Minnesota DNR Permitting and Reporting System (MPARS) application may also be required by the DNR.

SUBMITTAL NOTES:

- Permit applicants shall submit the attached Joint Application Form for Activities Affecting Water Resources in Minnesota (Attachment W4).
- Failure to fully follow the application requirements of the Wetland Conservation Act will result in delays in permit review.
- Applicants can expect a 60-day review period provided all applicable materials have been submitted and reviews are completed within the growing season, if applicable.

Lower Rum River WMO

LRRWMO Attachment W2

OFFICE PROCEDURE

Procedure to Accept LRRWMO Permit:

1. Complete LRRWMO Permit Application for Minnesota Wetland Conservation Act (WCA) Decisions and Procedure Requirements form. Requires signature of acknowledgement from City official prior to submittal to LRRWMO. For appropriate City contact information refer to the LRRWMO website at www.lrrwmo.org/
   NOTE: See "PROJECT SUBMITTALS" section of Application

2. Submit Application, $75 initial application fee plus an escrow deposit* in accordance with LRRWMO Attachment W3 for Wetland Conservation Act applications, as applicable, payable to the Lower Rum River WMO, and one (1) set of plan submittals (electronic) to:

   Lower Rum River WMO
   City of Anoka
   2015 First Street N.
   Anoka, MN 55303
   763-576-2773

   (This set of plans is for LRRWMO file copy) **escrow deposits: The LRRWMO costs related to the project will be charged to permit escrow fund. Funds remaining in the permit escrow account when the project is closed will be returned to the applicant.*

3. Forward electronic copy of Application and associated submittals to:

   Karen Wold
   Barr Engineering Co.
   kwold@barr.com

4. Wetland permit decisions are usually made within 60 days from receipt of a complete application.

Procedure to Request Return of Permit Fund Balance:

1. When project reaches status of 100% completion (as contained in Quarterly Report), the respective City prepares a written request to LRRWMO for return of escrow deposit balance with copy to Anoka's Finance Department. The request must be submitted prior to the third Thursday of each month to meet the next month regular meeting agenda deadline.

Lower Rum River WMO

LRRWMO ATTACHMENT W3

Fees, Deposit and Sureties for Wetland Conservation Act (WCA) Applications

Updated ***April 2011***

FEES

Activity		**Fee**
Initial WCA Application Fee		***$75***
Office and Field Review of Wetland Boundary Delineation or Type Determination (Applicant is responsible for submitting a complete Wetland Delineation Report, according to BWSR guidance).	Evaluation Area < 10 acres and less than 3 wetlands being evaluated	$1,000 ***Escrow***
	Evaluation Area < 100 acres and < 6 wetlands being evaluated	$1,500 ***Escrow***
	Evaluation Area =/> 100 acres and/or =/> 6 wetlands being evaluated	$2,000 ***Escrow***
Review of WCA exemptions and No Loss requests.		$1,000 ***Escrow***
Review of Wetland ***Replacement Plans*** (needed for all projects requiring replacement for wetland impacts).		$1,000 ***Escrow*** plus $100/acre of wetland plus $5,000/acre of wetland impact plus $5,000 for mitigation monitoring review
Creating a Wetland Bank		$15,000

Note: escrow amounts are cumulative if more than activity is being reviewed.

Cash Surety Deposit for Performance

For Wetland Replacement Plans:
The Permittee or owner shall provide a cash surety ***(or an automatically renewable Letter of Credit from a bank approved by the Treasurer of the LRRWMO)*** in an amount determined by the LRRWMO, so that, if needed, a third party has the funds to create, manage, and monitor the wetland replacement area should the applicant fail to comply with the required creation of the wetland mitigation site. If the Letter of Credit is not honored by the issuer, the LRRWMO may choose litigation to obtain the necessary funds or to obtain a court order to require the permittee or owner to create the wetland mitigation area. The LRRWMO will determine a cash surety ***(or letter of credit)*** amount in addition to the permit application fee and escrow deposit.

Proposed WCA LRRWMO Surety Amount

Activity	Performance Surety Amount
Wetland Replacement	***$1 per sq. ft. of mitigation with a minimum of $5,000 unless a higher or lower amount is deemed necessary by the LRRWMO.***

- The permit application, fee escrow deposit and cash surety deposit may be in one check payable to the Lower Rum River Watershed Management Organization.
- Only actual work done by the LRRWMO or its consultants will be charged against the escrow deposit or performance security.
- The performance surety may be waived if approved wetland banking credits are purchased for fulfilling the required mitigation provisions of the permit.

Joint Application Form for Activities Affecting Water Resources in Minnesota

This joint application form is the accepted means for initiating review of proposals that may affect a water resource (wetland, tributary, lake, etc.) in the State of Minnesota under state and federal regulatory programs. Applicants for Minnesota Department of Natural Resources (DNR) Public Waters permits **MUST** use the MPARS online permitting system for submitting applications to the DNR. Applicants can use the information entered into MPARS to substitute for completing parts of this joint application form (see the paragraph on MPARS at the end of the joint application form instructions for additional information). This form is only applicable to the water resource aspects of proposed projects under state and federal regulatory programs; other local applications and approvals may be required. Depending on the nature of the project and the location and type of water resources impacted, multiple authorizations may be required as different regulatory programs have different types of jurisdiction over different types of resources.

Regulatory Review Structure

Federal

The St. Paul District of the U.S. Army Corps of Engineers (Corps) is the federal agency that regulates discharges of dredged or fill material into waters of the United States (wetlands, tributaries, lakes, etc.) under Section 404 of the Clean Water Act (CWA) and regulates work in navigable waters under Section 10 of the Rivers and Harbors Act. Applications are assigned to Corps project managers who are responsible for implementing the Corps regulatory program within a particular geographic area.

State

There are three state regulatory programs that regulate activities affecting water resources. The Wetland Conservation Act (WCA) regulates most activities affecting wetlands. It is administered by local government units (LGUs) which can be counties, townships, cities, watershed districts, watershed management organizations or state agencies (on state-owned land). The Minnesota DNR Division of Ecological and Water Resources issues permits for work in specially-designated public waters via the Public Waters Work Permit Program (DNR Public Waters Permits). The Minnesota Pollution Control Agency (MPCA) under Section 401 of the Clean Water Act certifies that discharges of dredged or fill material authorized by a federal permit or license comply with state water quality standards. One or more of these regulatory programs may be applicable to any one project.

Required Information

Prior to submitting an application, applicants are **strongly encouraged** to seek input from the Corps Project Manager and LGU staff to identify regulatory issues and required application materials for their proposed project. Project proponents can request a pre-application consultation with the Corps and LGU to discuss their proposed project by providing the information required in Sections 1 through 5 of this joint application form to facilitate a meaningful discussion about their project. Many LGUs provide a venue (such as regularly scheduled technical evaluation panel meetings) for potential applicants to discuss their projects with multiple agencies prior to submitting an application. Contact information is provided below.

The following bullets outline the information generally required for several common types of determinations/authorizations.

- For delineation approvals and/or jurisdictional determinations, submit Parts 1, 2 and 5, and Attachment A.
- For activities involving CWA/WCA exemptions, WCA no-loss determinations, and activities not requiring mitigation, submit Parts 1 through 5, and Attachment B.
- For activities requiring compensatory mitigation/replacement plan, submit Parts 1 thru 5, and Attachments C and D.
- For local road authority activities that qualify for the state's local road wetland replacement program, submit Parts 1 through 5, and Attachments C, D (if applicable), and E to both the Corps and the LGU.

Submission Instructions

Send the completed joint application form and all required attachments to:

U.S Army Corps of Engineers. Applications may be sent directly to the appropriate Corps Office. For a current listing of areas of responsibilities and contact information, visit the St. Paul District's website at: http://www.mvp.usace.army.mil/Missions/Regulatory.aspx and select "Minnesota" from the contact Information box. Alternatively, applications may be sent directly to the St. Paul District Headquarters and the Corps will forward them to the appropriate field office.

Section 401 Water Quality Certification: Applicants do not need to submit the joint application form to the MPCA unless specifically requested. The MPCA will request a copy of the completed joint application form directly from an applicant when they determine an individual 401 water quality certification is required for a proposed project.

Wetland Conservation Act Local Government Unit: Send to the appropriate Local Government Unit. If necessary, contact your county Soil and Water Conservation District (SWCD) office or visit the Board of Water and Soil Resources (BWSR) web site (www.bwsr.state.mn.us) to determine the appropriate LGU.

DNR Public Waters Permitting: In 2014 the DNR will begin using the Minnesota DNR Permitting and Reporting System (MPARS) for submission of Public Waters permit applications (https://webapps11.dnr.state.mn.us/mpars/public/authentication/login). Applicants for Public Waters permits **MUST** use the MPARS online permitting system for submitting applications to the DNR. To avoid duplication and to streamline the application process among the various resource agencies, applicants can use the information entered into MPARS to substitute for completing parts of this joint application form. The MPARS print/save function will provide the applicant with a copy of the Public Waters permit application which, at a minimum, will satisfy Parts one and two of this joint application. For certain types of activities, the MPARS application may also provide all of the necessary information required under Parts three and four of the joint application. However, it is the responsibility of the Applicant to make sure that the joint application contains all of the required information, including identification of all aquatic resources impacted by the project (see Part four of the joint application). After confirming that the MPARS application contains all of the required information in Parts one and two the Applicant may attach a copy to the joint application and fill in any missing information in the remainder of the joint application.

PART ONE: Applicant Information

If applicant is an entity (company, government entity, partnership, etc.), an authorized contact person must be identified. If the applicant is using an agent (consultant, lawyer, or other third party) and has authorized them to act on their behalf, the agent's contact information must also be provided.

Applicant/Landowner Name:
Mailing Address:
Phone:
E-mail Address:

Authorized Contact (do not complete if same as above):
Mailing Address:
Phone:
E-mail Address:

Agent Name:
Mailing Address:
Phone:
E-mail Address:

PART TWO: Site Location Information

County: **City/Township:**
Parcel ID and/or Address:
Legal Description (Section, Township, Range):
Lat/Long (decimal degrees):
Attach a map showing the location of the site in relation to local streets, roads, highways.
Approximate size of site (acres) or if a linear project, length (feet):

If you know that your proposal will require an individual Permit from the U.S. Army Corps of Engineers, you must provide the names and addresses of all property owners adjacent to the project site. This information may be provided by attaching a list to your application or by using block 25 of the Application for Department of the Army permit which can be obtained at:

http://www.mvp.usace.army.mil/Portals/57/docs/regulatory/RegulatoryDocs/engform_4345_2012oct.pdf

PART THREE: General Project/Site Information

If this application is related to a delineation approval, exemption determination, jurisdictional determination, or other correspondence submitted ***prior to*** this application then describe that here and provide the Corps of Engineers project number.

Describe the project that is being proposed, the project purpose and need, and schedule for implementation and completion. The project description must fully describe the nature and scope of the proposed activity including a description of all project elements that effect aquatic resources (wetland, lake, tributary, etc.) and must also include plans and cross section or profile drawings showing the location, character, and dimensions of all proposed activities and aquatic resource impacts.

Project Name and/or Number:

PART FOUR: Aquatic Resource Impact[1] Summary

If your proposed project involves a direct or indirect impact to an aquatic resource (wetland, lake, tributary, etc.) identify each impact in the table below. Include all anticipated impacts, including those expected to be temporary. Attach an overhead view map, aerial photo, and/or drawing showing all of the aquatic resources in the project area and the location(s) of the proposed impacts. Label each aquatic resource on the map with a reference number or letter and identify the impacts in the following table.

Aquatic Resource ID (as noted on overhead view)	**Aquatic Resource Type** (wetland, lake, tributary etc.)	**Type of Impact** (fill, excavate, drain, or remove vegetation)	**Duration of Impact** Permanent (P) or Temporary (T)[1]	**Size of Impact**[2]	**Overall Size of Aquatic Resource** [3]	**Existing Plant Community Type(s)** in Impact Area[4]	**County, Major Watershed #, and Bank Service Area #** of Impact Area[5]

[1]If impacts are temporary; enter the duration of the impacts in days next to the "T". For example, a project with a temporary access fill that would be removed after 220 days would be entered "T (220)".
[2]Impacts less than 0.01 acre should be reported in square feet. Impacts 0.01 acre or greater should be reported as acres and rounded to the nearest 0.01 acre. Tributary impacts must be reported in linear feet of impact and an area of impact by indicating first the linear feet of impact along the flowline of the stream followed by the area impact in parentheses). For example, a project that impacts 50 feet of a stream that is 6 feet wide would be reported as 50 ft (300 square feet).
[3]This is generally only applicable if you are applying for a de minimis exemption under MN Rules 8420.0420 Subp. 8, otherwise enter "N/A".
[4]Use *Wetland Plants and Plant Community Types of Minnesota and Wisconsin* 3rd Ed. as modified in MN Rules 8420.0405 Subp. 2.
[5]Refer to Major Watershed and Bank Service Area maps in MN Rules 8420.0522 Subp. 7.

If any of the above identified impacts have already occurred, identify which impacts they are and the circumstances associated with each:

PART FIVE: Applicant Signature

☐ Check here if you are requesting a pre-application consultation with the Corps and LGU based on the information you have provided. Regulatory entities will not initiate a formal application review if this box is checked.

By signature below, I attest that the information in this application is complete and accurate. I further attest that I possess the authority to undertake the work described herein.

Signature: _____ Date:

I hereby authorize to act on my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this application.

[1] **The term "impact" as used in this joint application form is a generic term used for disclosure purposes to identify activities that may require approval from one or more regulatory agencies. For purposes of this form it is not meant to indicate whether or not those activities may require mitigation/replacement.**

Project Name and/or Number:

Attachment A
Request for Delineation Review, Wetland Type Determination, or Jurisdictional Determination

By submission of the enclosed wetland delineation report, I am requesting that the U.S. Army Corps of Engineers, St. Paul District (Corps) and/or the Wetland Conservation Act Local Government Unit (LGU) provide me with the following (check all that apply):

☐ **Wetland Type Confirmation**

☐ **Delineation Concurrence**. Concurrence with a delineation is a written notification from the Corps and a decision from the LGU concurring, not concurring, or commenting on the boundaries of the aquatic resources delineated on the property. Delineation concurrences are generally valid for five years unless site conditions change. Under this request alone, the Corps will not address the jurisdictional status of the aquatic resources on the property, only the boundaries of the resources within the review area (including wetlands, tributaries, lakes, etc.).

☐ **Preliminary Jurisdictional Determination**. A preliminary jurisdictional determination (PJD) is a non-binding written indication from the Corps that waters, including wetlands, identified on a parcel may be waters of the United States. For purposes of computation of impacts and compensatory mitigation requirements, a permit decision made on the basis of a PJD will treat all waters and wetlands in the review area as if they are jurisdictional waters of the U.S. PJDs are advisory in nature and may not be appealed.

☐ **Approved Jurisdictional Determination**. An approved jurisdictional determination (AJD) is an official Corps determination that jurisdictional waters of the United States are either present or absent on the property. AJDs can generally be relied upon by the affected party for five years. An AJD may be appealed through the Corps administrative appeal process.

In order for the Corps and LGU to process your request, the wetland delineation must be prepared in accordance with the 1987 Corps of Engineers Wetland Delineation Manual, any approved Regional Supplements to the 1987 Manual, and the *Guidelines for Submitting Wetland Delineations in Minnesota* (2013).
http://www.mvp.usace.army.mil/Missions/Regulatory/DelineationJDGuidance.aspx

Project Name and/or Number:

Attachment B
Supporting Information for Applications Involving Exemptions, No Loss Determinations, and Activities Not Requiring Mitigation

Complete this part ***if*** you maintain that the identified aquatic resource impacts in Part Four do not require wetland replacement/compensatory mitigation OR ***if*** you are seeking verification that the proposed water resource impacts are either exempt from replacement or are not under CWA/WCA jurisdiction.

Identify the specific exemption or no-loss provision for which you believe your project or site qualifies:

Provide a detailed explanation of how your project or site qualifies for the above. Be specific and provide and refer to attachments and exhibits that support your contention. Applicants should refer to rules (e.g. WCA rules), guidance documents (e.g. BWSR guidance, Corps guidance letters/public notices), and permit conditions (e.g. Corps General Permit conditions) to determine the necessary information to support the application. Applicants are strongly encouraged to contact the WCA LGU and Corps Project Manager prior to submitting an application if they are unsure of what type of information to provide:

Attachment C
Avoidance and Minimization

Project Purpose, Need, and Requirements. Clearly state the purpose of your project and need for your project. Also include a description of any specific requirements of the project as they relate to project location, project footprint, water management, and any other applicable requirements. Attach an overhead plan sheet showing all relevant features of the project (buildings, roads, etc.), aquatic resource features (impact areas noted) and construction details (grading plans, storm water management plans, etc.), referencing these as necessary:

Avoidance. Both the CWA and the WCA require that impacts to aquatic resources be avoided if practicable alternatives exist. Clearly describe all on-site measures considered to avoid impacts to aquatic resources and discuss at least two project alternatives that avoid all impacts to aquatic resources on the site. These alternatives may include alternative site plans, alternate sites, and/or not doing the project. Alternatives should be feasible and prudent (see MN Rules 8420.0520 Subp. 2 C). Applicants are encouraged to attach drawings and plans to support their analysis:

Minimization. Both the CWA and the WCA require that all unavoidable impacts to aquatic resources be minimized to the greatest extent practicable. Discuss all features of the proposed project that have been modified to minimize the impacts to water resources (see MN Rules 8420.0520 Subp. 4):

Off-Site Alternatives. An off-site alternatives analysis is not required for all permit applications. If you know that your proposal will require an individual permit (standard permit or letter of permission) from the U.S. Army Corps of Engineers, you may be required to provide an off-site alternatives analysis. The alternatives analysis is not required for a complete application but must be provided during the review process in order for the Corps to complete the evaluation of your application and reach a final decision. Applicants with questions about when an off-site alternatives analysis is required should contact their Corps Project Manager.

Project Name and/or Number:

Attachment D
Replacement/Compensatory Mitigation

Complete this part ***if*** your application involves wetland replacement/compensatory mitigation not associated with the local road wetland replacement program. Applicants should consult Corps mitigation guidelines and WCA rules for requirements.

Replacement/Compensatory Mitigation via Wetland Banking. Complete this section if you are proposing to use credits from an existing wetland bank (with an account number in the State wetland banking system) for all or part of your replacement/compensatory mitigation requirements.

Wetland Bank Account #	**County**	**Major Watershed #**	**Bank Service Area #**	**Credit Type** (if applicable)	**Number of Credits**

Applicants should attach documentation indicating that they have contacted the wetland bank account owner and reached at least a tentative agreement to utilize the identified credits for the project. This documentation could be a signed purchase agreement, signed application for withdrawal of credits or some other correspondence indicating an agreement between the applicant and the bank owner. *However, applicants are advised not to enter into a binding agreement to purchase credits until the mitigation plan is approved by the Corps and LGU.*

Project-Specific Replacement/Permittee Responsible Mitigation. Complete this section if you are proposing to pursue actions (restoration, creation, preservation, etc.) to generate wetland replacement/compensatory mitigation credits for this proposed project.

WCA Action Eligible for Credit[1]	**Corps Mitigation Compensation Technique**[2]	**Acres**	**Credit % Requested**	**Credits Anticipated**[3]	**County**	**Major Watershed #**	**Bank Service Area #**

[1]Refer to the name and subpart number in MN Rule 8420.0526.
[2]Refer to the technique listed in *St. Paul District Policy for Wetland Compensatory Mitigation in Minnesota*.
[3]If WCA and Corps crediting differs, then enter both numbers and distinguish which is Corps and which is WCA.

Explain how each proposed action or technique will be completed (e.g. wetland hydrology will be restored by breaking the tile……) and how the proposal meets the crediting criteria associated with it. Applicants should refer to the Corps mitigation policy language, WCA rule language, and all associated Corps and WCA guidance related to the action or technique:

Attach a site location map, soils map, recent aerial photograph, and any other maps to show the location and other relevant features of each wetland replacement/mitigation site. Discuss in detail existing vegetation, existing landscape features, land use (on and surrounding the site), existing soils, drainage systems (if present), and water sources and movement. Include a topographic map showing key features related to hydrology and water flow (inlets, outlets, ditches, pumps, etc.):

Project Name and/or Number:

Attach a map of the existing aquatic resources, associated delineation report, and any documentation of regulatory review or approval. Discuss as necessary:

For actions involving construction activities, attach construction plans and specifications with all relevant details. Discuss and provide documentation of a hydrologic and hydraulic analysis of the site to define existing conditions, predict project outcomes, identify specific project performance standards and avoid adverse offsite impacts. Plans and specifications should be prepared by a licensed engineer following standard engineering practices. Discuss anticipated construction sequence and timing:

For projects involving vegetation restoration, provide a vegetation establishment plan that includes information on site preparation, seed mixes and plant materials, seeding/planting plan (attach seeding/planting zone map), planting/seeding methods, vegetation maintenance, and an anticipated schedule of activities:

For projects involving construction or vegetation restoration, identify and discuss goals and specific outcomes that can be determined for credit allocation. Provide a proposed credit allocation table tied to outcomes:

Provide a five-year monitoring plan to address project outcomes and credit allocation:

Discuss and provide evidence of ownership or rights to conduct wetland replacement/mitigation on each site:

Quantify all proposed wetland credits and compare to wetland impacts to identify a proposed wetland replacement ratio. Discuss how this replacement ratio is consistent with Corps and WCA requirements:

By signature below, the applicant attests to the following (only required if application involves project-specific/permittee responsible replacement):

- All proposed replacement wetlands were not:
  - Previously restored or created under a prior approved replacement plan or permit
  - Drained or filled under an exemption during the previous 10 years
  - Restored with financial assistance from public conservation programs
  - Restored using private funds, other than landowner funds, unless the funds are paid back with interest to the individual or organization that funded the restoration and the individual or organization notifies the local government unit in writing that the restored wetland may be considered for replacement.
- The wetland will be replaced before or concurrent with the actual draining or filling of a wetland.
- An irrevocable bank letter of credit, performance bond, or other acceptable security will be provided to guarantee successful completion of the wetland replacement.
- Within 30 days of either receiving approval of this application or beginning work on the project, I will record the Declaration of Restrictions and Covenants on the deed for the property on which the replacement wetland(s) will be located and submit proof of such recording to the LGU and the Corps.

Applicant or Representative: Title:

Signature: _____ Date:

Project Name and/or Number:

Attachment E
Local Road Replacement Program Qualification

Complete this part ***if*** you are a local road authority (county highway department, city transportation department, etc.) seeking verification that your project (or a portion of your project) qualifies for the MN Local Government Road Wetland Replacement Program (LGRWRP). If portions of your project are not eligible for the LGRWRP, then Attachment D should be completed and attached to your application.

Discuss how your project is a repair, rehabilitation, reconstruction, or replacement of a currently serviceable road to meet state/federal design or safety standards/requirements. Applicants should identify the specific road deficiencies and how the project will rectify them. Attach supporting documents and information as applicable:

Provide a map, plan, and/or aerial photograph accurately depicting wetland boundaries within the project area. Attach associated delineation/determination report or otherwise explain the method(s) used to identify and delineate wetlands. Also attach and discuss any type of review or approval of wetland boundaries or other aspects of the project by a member or members of the local Technical Evaluation Panel (TEP) or Corps of Engineers:

In the table below, identify only the wetland impacts from Part 4 that the road authority has determined should qualify for the LGRWRP.

Wetland Impact ID (as noted on overhead view)	**Type of Impact** (fill, excavate, drain)	**Size of Impact** (square feet or acres to 0.01)	**Existing Plant Community Type(s)** in Impact Area[1]	**County, Major Watershed #, and Bank Service Area #** of Impact[2]

[1]Use *Wetland Plants and Plant Community Types of Minnesota and Wisconsin* 3rd Ed. as modified in MN Rules 8420.0405 Subp. 2.
[2]Refer to Major Watershed and Bank Service Area maps in MN Rules 8420.0522 Subp. 7.

Discuss the feasibility of providing onsite compensatory mitigation/replacement for important site-specific wetland functions:

Please note that under the MN Wetland Conservation Act, projects with less than 10,000 square feet of wetland impact are allowed to commence prior to submission of this notification so long as the notification is submitted within 30 days of the impact. The Clean Water Act has no such provision and requires that permits be obtained prior to any regulated discharges into water of the United States. To avoid potential unauthorized activities, road authorities must, at a minimum, provide a complete application to the Corps and receive a permit prior to commencing work.

By signature below, the road authority attests that they have followed the process in MN Rules 8420.0544 and have determined that the wetland impacts identified in Part 4 are eligible for the MN Local Government Road Wetland Replacement Program.

Road Authority Representative: Title:

Signature: _____ Date:

Technical Evaluation Panel Concurrence: Project Name and/or Number:

TEP member: Representing:

Concur with road authority's determination of qualification for the local road wetland replacement program? ☐ Yes ☐ No

Signature: _____ Date:

TEP member: Representing:

Concur with road authority's determination of qualification for the local road wetland replacement program? ☐ Yes ☐ No

Signature: _____ Date:

TEP member: Representing:

Concur with road authority's determination of qualification for the local road wetland replacement program? ☐ Yes ☐ No

Signature: _____ Date:

TEP member: Representing:

Concur with road authority's determination of qualification for the local road wetland replacement program? ☐ Yes ☐ No

Signature: _____ Date:

Upon approval and signature by the TEP, application must be sent to: **Wetland Bank Administration**
Minnesota Board of Water & Soil Resources
520 Lafayette Road North
Saint Paul, MN 55155

APPENDIX C

Wetland Photographs

View of Wetland 1 looking east.

View of Wetland 1 looking south.

Weir between wetland 1 and Wetland 2.

View of Wetland 2 looking southeast.

View of Wetland 2 looking south near sampling point.

View of Wetland 2 culvert.

View of SA-1 looking north.

View of SA-2 looking north.

Appendix C

SHPO and NHIS Correspondence

Minnesota Department of Natural Resources
Division of Ecological & Water Resources
500 Lafayette Road, Box 25
St. Paul, MN 55155-4025

July 7, 2023
Correspondence # MCE 2023-00323

Cole Kiernan
Kimley-Horn and Associates, Inc.

RE: Natural Heritage Review of the proposed Lord of Life Church Campus,
T32N R25W Section 25; Anoka County

Dear Cole Kiernan,

As requested, the Minnesota Natural Heritage Information System has been reviewed to determine if the proposed project has the potential to impact any rare species or other significant natural features. Based on the project details provided with the request, the following rare features may be impacted by the proposed project:

State-listed Species

- Blanding's turtles (*Emydoidea blandingii*), a state-listed threatened species, have been documented in the vicinity of the proposed project. Blanding's turtles use upland areas up to and over a mile distant from wetlands, waterbodies, and watercourses. Uplands are used for nesting, basking, periods of dormancy, and traveling between wetlands. Factors believed to contribute to the decline of this species include collisions with vehicles, wetland drainage and degradation, and the development of upland habitat. Any added mortality can be detrimental to populations of Blanding's turtles, as these turtles have a low reproduction rate that depends upon a high survival rate to maintain population levels.

  This project has the potential to impact this rare turtle through direct fatalities and habitat disturbance/destruction due to excavation, fill, and other construction activities associated with the project. Minnesota's Endangered Species Statute (*Minnesota Statutes*, section 84.0895) and associated Rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the take of threatened or endangered species without a permit. As such, **the following avoidance measures are required**:

- Avoid wetland and aquatic impacts during hibernation season, between September 15th and April 15th, if the area is suitable for hibernation.
- The use of erosion control blanket shall be limited to 'bio-netting' or 'natural-netting' types, and specifically not products containing plastic mesh netting or other plastic components.
    - Also, be aware that hydro-mulch products may contain small synthetic (plastic) fibers to aid in their matrix strength. These loose fibers could potentially re-suspend and make their way into Public Waters. As such, please review mulch products and do not allow any materials with synthetic (plastic) fiber additives in areas that drain into Public Waters.
- Construction areas, especially aquatic or wetland areas, should be thoroughly checked for turtles before the use of heavy equipment or any ground disturbance.
    - The Blanding's turtle flyer must be given to all contractors working in the area.
    - Monitor for turtles during construction and report any sightings to the DNR Nongame Specialist, Erica Hoaglund (Erica.Hoaglund@state.mn.us).
    - If turtles are in imminent danger they must be moved by hand out of harm's way, otherwise, they are to be left undisturbed.

If following the above avoidance measures is not possible, please contact NHIS.Review@state.mn.us as further action may be needed.

For additional information, see the Blanding's turtle fact sheet, which describes the habitat use and life history of this species. The fact sheet also provides two lists of recommendations for avoiding and minimizing impacts to this rare turtle. **Please refer to both lists of recommendations and apply those that are relevant to your project.** For further assistance regarding the Blanding's turtle, please contact the DNR Regional Nongame Specialist, Erica Hoaglund.

- The Natural Heritage Information System (NHIS) tracks bat roost trees and hibernacula plus some acoustic data, but this information is not exhaustive. Even if there are no bat records listed nearby, all seven of Minnesota's bats, including the federally endangered northern long-eared bat (*Myotis septentrionalis*), can be found throughout Minnesota. During the active season (approximately April-November) bats roost underneath bark, in cavities, or in crevices of both live and dead trees. Tree removal can negatively impact bats by destroying roosting habitat, especially during the pup rearing season when females are forming maternity roosting colonies and the pups cannot yet fly. To minimize these impacts, the DNR recommends that tree removal be avoided from June 1 through August 15.

- Please visit the DNR Rare Species Guide for more information on the habitat use of these species and recommended measures to avoid or minimize impacts. For further assistance with these species, please contact the appropriate DNR Regional Nongame Specialist or Regional Ecologist.

Federally Protected Species

- To ensure compliance with federal law, conduct a federal regulatory review using the U.S. Fish and Wildlife Service's (USFWS) online Information for Planning and Consultation (IPaC) tool.

Environmental Review and Permitting

- The Environmental Assessment Worksheet should address whether the proposed project has the potential to adversely affect the above rare features and, if so, it should identify specific measures that will be taken to avoid or minimize disturbance. Sufficient information should be provided so the DNR can determine whether a takings permit will be needed for any of the above protected species.

- Please include a copy of this letter and the MCE-generated Final Project Report in any state or local license or permit application. Please note that measures to avoid or minimize disturbance to the above rare features may be included as restrictions or conditions in any required permits or licenses.

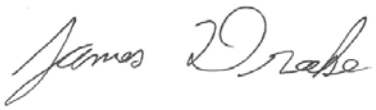
The Natural Heritage Information System (NHIS), a collection of databases that contains information about Minnesota's rare natural features, is maintained by the Division of Ecological and Water Resources, Department of Natural Resources. The NHIS is continually updated as new information becomes available, and is the most complete source of data on Minnesota's rare or otherwise significant species, native plant communities, and other natural features. However, the NHIS is not an exhaustive inventory and thus does not represent all of the occurrences of rare features within the state. Therefore, ecologically significant features for which we have no records may exist within the project area. If additional information becomes available regarding rare features in the vicinity of the project, further review may be necessary.

For environmental review purposes, the results of this Natural Heritage Review are valid for one year; the results are only valid for the project location and project description provided with the request. If project details change or the project has not occurred within one year, please resubmit the project for review within one year of initiating project activities.

The Natural Heritage Review does not constitute project approval by the Department of Natural Resources. Instead, it identifies issues regarding known occurrences of rare features and potential impacts to these rare features. Visit the Natural Heritage Review website for additional information regarding this process, survey guidance, and other related information. For information on the environmental review process or other natural resource concerns, you may contact your DNR Regional Environmental Assessment Ecologist.

Thank you for consulting us on this matter and for your interest in preserving Minnesota's rare natural resources.

Sincerely,



James Drake
Natural Heritage Review Specialist
James.F.Drake@state.mn.us

Cc: Melissa Collins

Environmental Review Fact Sheet Series

Endangered, Threatened, and Special Concern Species of Minnesota

Blanding's Turtle

(*Emydoidea blandingii*)

Minnesota Status:	Threatened	State Rank[1]:	S2
Federal Status:	none	Global Rank[1]:	G4

HABITAT USE

Blanding's turtles need both wetland and upland habitats to complete their life cycle. The types of wetlands used include ponds, marshes, shrub swamps, bogs, and ditches and streams with slow-moving water. In Minnesota, Blanding's turtles are primarily marsh and pond inhabitants. Calm, shallow water bodies (Type 1-3 wetlands) with mud bottoms and abundant aquatic vegetation (e.g., cattails, water lilies) are preferred, and extensive marshes bordering rivers provide excellent habitat. Small temporary wetlands (those that dry up in the late summer or fall) are frequently used in spring and summer -- these fishless pools are amphibian and invertebrate breeding habitat, which provides an important food source for Blanding's turtles. Also, the warmer water of these shallower areas probably aids in the development of eggs within the female turtle. Nesting occurs in open (grassy or brushy) sandy uplands, often some distance from water bodies. Frequently, nesting occurs in traditional nesting grounds on undeveloped land. Blanding's turtles have also been known to nest successfully on residential property (especially in low density housing situations), and to utilize disturbed areas such as farm fields, gardens, under power lines, and road shoulders (especially of dirt roads). Although Blanding's turtles may travel through woodlots during their seasonal movements, shady areas (including forests and lawns with shade trees) are not used for nesting. Wetlands with deeper water are needed in times of drought, and during the winter. Blanding's turtles overwinter in the muddy bottoms of deeper marshes and ponds, or other water bodies where they are protected from freezing.

LIFE HISTORY

Individuals emerge from overwintering and begin basking in late March or early April on warm, sunny days. The increase in body temperature which occurs during basking is necessary for egg development within the female turtle. Nesting in Minnesota typically occurs during June, and females are most active in late afternoon and at dusk. Nesting can occur as much as a mile from wetlands. The nest is dug by the female in an open sandy area and 6-15 eggs are laid. The female turtle returns to the marsh within 24 hours of laying eggs. After a development period of approximately two months, hatchlings leave the nest from mid-August through early-October. Nesting females and hatchlings are often at risk of being killed while crossing roads between wetlands and nesting areas. In addition to movements associated with nesting, all ages and both sexes move between wetlands from April through November. These movements peak in June and July and again in September and October as turtles move to and from overwintering sites. In late autumn (typically November), Blanding's turtles bury themselves in the substrate (the mud at the bottom) of deeper wetlands to overwinter.

IMPACTS / THREATS / CAUSES OF DECLINE

- loss of wetland habitat through drainage or flooding (converting wetlands into ponds or lakes)
- loss of upland habitat through development or conversion to agriculture
- human disturbance, including collection for the pet trade* and road kills during seasonal movements
- increase in predator populations (skunks, racoons, etc.) which prey on nests and young

*It is illegal to possess this threatened species.

RECOMMENDATIONS FOR AVOIDING AND MINIMIZING IMPACTS

These recommendations apply to typical construction projects and general land use within Blanding's turtle habitat, and are provided to help local governments, developers, contractors, and homeowners minimize or avoid detrimental impacts to Blanding's turtle populations. **List 1** describes minimum measures which we recommend to prevent harm to Blanding's turtles during construction or other work within Blanding's turtle habitat. **List 2** contains recommendations which offer even greater protection for Blanding's turtles populations; this list should be used *in addition to the first list* in areas which are known to be of state-wide importance to Blanding's turtles (contact the DNR's Natural Heritage and Nongame Research Program if you wish to determine if your project or home is in one of these areas), or in any other area where greater protection for Blanding's turtles is desired.

List 1. Recommendations for all areas inhabited by Blanding's turtles.	**List 2. *Additional* recommendations for areas known to be of state-wide importance to Blanding's turtles.**
GENERAL	
A flyer with an illustration of a Blanding's turtle should be given to all contractors working in the area. Homeowners should also be informed of the presence of Blanding's turtles in the area.	Turtle crossing signs can be installed adjacent to road-crossing areas used by Blanding's turtles to increase public awareness and reduce road kills.
Turtles which are in imminent danger should be moved, by hand, out of harms way. Turtles which are not in imminent danger should be left undisturbed.	Workers in the area should be aware that Blanding's turtles nest in June, generally after 4pm, and should be advised to minimize disturbance if turtles are seen.
If a Blanding's turtle nests in your yard, do not disturb the nest.	If you would like to provide more protection for a Blanding's turtle nest on your property, see "Protecting Blanding's Turtle Nests" on page 3 of this fact sheet.
Silt fencing should be set up to keep turtles out of construction areas. It is critical that silt fencing be removed after the area has been revegetated.	Construction in potential nesting areas should be limited to the period between September 15 and June 1 (this is the time when activity of adults and hatchlings in upland areas is at a minimum).
WETLANDS	
Small, vegetated temporary wetlands (Types 2 & 3) should not be dredged, deepened, filled, or converted to storm water retention basins (these wetlands provide important habitat during spring and summer).	Shallow portions of wetlands should not be disturbed during prime basking time (mid morning to mid- afternoon in May and June). A wide buffer should be left along the shore to minimize human activity near wetlands (basking Blanding's turtles are more easily disturbed than other turtle species).
Wetlands should be protected from pollution; use of fertilizers and pesticides should be avoided, and run-off from lawns and streets should be controlled. Erosion should be prevented to keep sediment from reaching wetlands and lakes.	Wetlands should be protected from road, lawn, and other chemical run-off by a vegetated buffer strip at least 50' wide. This area should be left unmowed and in a natural condition.
ROADS	
Roads should be kept to minimum standards on widths and lanes (this reduces road kills by slowing traffic and reducing the distance turtles need to cross).	Tunnels should be considered in areas with concentrations of turtle crossings (more than 10 turtles per year per 100 meters of road), and in areas of lower density if the level of road use would make a safe crossing impossible for turtles. Contact your DNR Regional Nongame Specialist for further information on wildlife tunnels.
Roads should be ditched, not curbed or below grade. If curbs must be used, 4 inch high curbs at a 3:1 slope are preferred (Blanding's turtles have great difficulty climbing traditional curbs; curbs and below grade roads trap turtles on the road and can cause road kills).	Roads should be ditched, not curbed or below grade.

ROADS cont.	
Culverts between wetland areas, or between wetland areas and nesting areas, should be 36 inches or greater in diameter, and elliptical or flat-bottomed.	Road placement should avoid separating wetlands from adjacent upland nesting sites, or these roads should be fenced to prevent turtles from attempting to cross them (contact your DNR Nongame Specialist for details).
Wetland crossings should be bridged, or include raised roadways with culverts which are 36 in or greater in diameter and flat-bottomed or elliptical (raised roadways discourage turtles from leaving the wetland to bask on roads).	Road placement should avoid bisecting wetlands, or these roads should be fenced to prevent turtles from attempting to cross them (contact your DNR Nongame Specialist for details). This is especially important for roads with more than 2 lanes.
Culverts under roads crossing streams should be oversized (at least twice as wide as the normal width of open water) and flat-bottomed or elliptical.	Roads crossing streams should be bridged.
UTILITIES	
Utility access and maintenance roads should be kept to a minimum (this reduces road-kill potential).	
Because trenches can trap turtles, trenches should be checked for turtles prior to being backfilled and the sites should be returned to original grade.	
LANDSCAPING AND VEGETATION MANAGEMENT	
Terrain should be left with as much natural contour as possible.	As much natural landscape as possible should be preserved (installation of sod or wood chips, paving, and planting of trees within nesting habitat can make that habitat unusable to nesting Blanding's turtles).
Graded areas should be revegetated with native grasses and forbs (some non-natives form dense patches through which it is difficult for turtles to travel).	Open space should include some areas at higher elevations for nesting. These areas should be retained in native vegetation, and should be connected to wetlands by a wide corridor of native vegetation.
Vegetation management in infrequently mowed areas -- such as in ditches, along utility access roads, and under power lines -- should be done mechanically (chemicals should not be used). Work should occur fall through spring (after October 1st and before June 1st).	Ditches and utility access roads should not be mowed or managed through use of chemicals. If vegetation management is required, it should be done mechanically, as infrequently as possible, and fall through spring (mowing can kill turtles present during mowing, and makes it easier for predators to locate turtles crossing roads).

Protecting Blanding's Turtle Nests: Most predation on turtle nests occurs within 48 hours after the eggs are laid. After this time, the scent is gone from the nest and it is more difficult for predators to locate the nest. Nests more than a week old probably do not need additional protection, unless they are in a particularly vulnerable spot, such as a yard where pets may disturb the nest. Turtle nests can be protected from predators and other disturbance by covering them with a piece of wire fencing (such as chicken wire), secured to the ground with stakes or rocks. The piece of fencing should measure at least 2 ft. x 2 ft., and should be of medium sized mesh (openings should be about 2 in. x 2 in.). It is ***very important*** that the fencing be **removed before August 1st** so the young turtles can escape from the nest when they hatch!

REFERENCES

[1]Association for Biodiversity Information. "Heritage Status: Global, National, and Subnational Conservation Status Ranks." NatureServe. Version 1.3 (9 April 2001). http://www.natureserve.org/ranking.htm (15 April 2001).

Coffin, B., and L. Pfannmuller. 1988. Minnesota's Endangered Flora and Fauna. University of Minnesota Press, Minneapolis, 473 pp.

REFERENCES (cont.)

Moriarty, J. J., and M. Linck. 1994. Suggested guidelines for projects occurring in Blanding's turtle habitat. Unpublished report to the Minnesota DNR. 8 pp.

Oldfield, B., and J. J. Moriarty. 1994. Amphibians and Reptiles Native to Minnesota. University of Minnesota Press, Minneapolis, 237 pp.

Sajwaj, T. D., and J. W. Lang. 2000. Thermal ecology of Blanding's turtle in central Minnesota. Chelonian Conservation and Biology 3(4):626-636.

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Project information

NAME

Haviland Fields

LOCATION

Anoka County, Minnesota

DESCRIPTION

None

Local office

Minnesota-Wisconsin Ecological Services Field Office

(952) 858-0793
(952) 646-2873

3815 American Blvd East
Bloomington, MN 55425-1659

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of

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Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Northern Long-eared Bat Myotis septentrionalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat Perimyotis subflavus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

Birds

NAME	STATUS
Whooping Crane Grus americana No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/758	EXPN

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON

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Bald Eagle Haliaeetus leucocephalus — Breeds Dec 1 to Aug 31
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

Black Tern Chlidonias niger — Breeds May 15 to Aug 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3093

Black-billed Cuckoo Coccyzus erythropthalmus — Breeds May 15 to Oct 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9399

Bobolink Dolichonyx oryzivorus — Breeds May 20 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Canada Warbler Cardellina canadensis — Breeds May 20 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Cerulean Warbler Dendroica cerulea — Breeds Apr 22 to Jul 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/2974

Chimney Swift Chaetura pelagica — Breeds Mar 15 to Aug 25
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Eastern Whip-poor-will Antrostomus vociferus — Breeds May 1 to Aug 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Golden-winged Warbler Vermivora chrysoptera — Breeds May 1 to Jul 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/8745

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Henslow's Sparrow Ammodramus henslowii — Breeds May 1 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3941

Lesser Yellowlegs Tringa flavipes — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9679

Red-headed Woodpecker Melanerpes erythrocephalus — Breeds May 10 to Sep 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Ruddy Turnstone Arenaria interpres morinella — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Rusty Blackbird Euphagus carolinus — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Wood Thrush Hylocichla mustelina — Breeds May 10 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

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Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

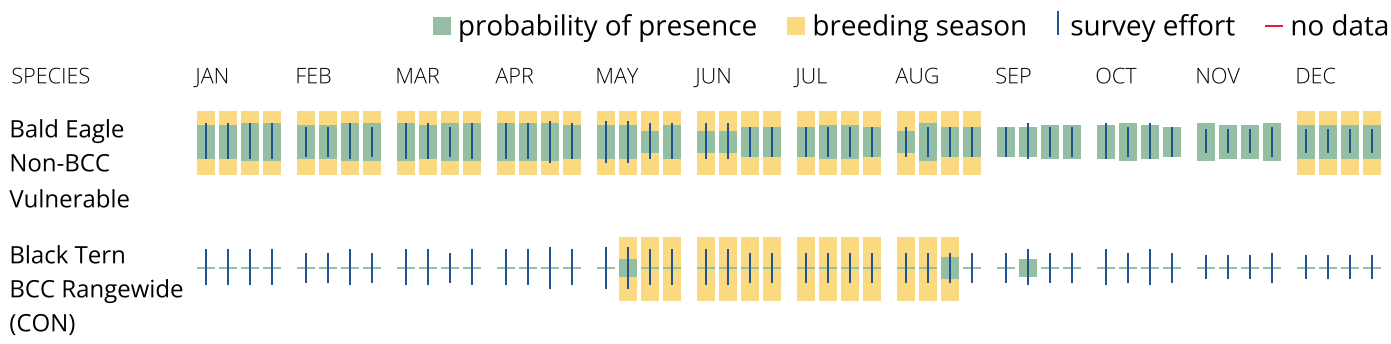
Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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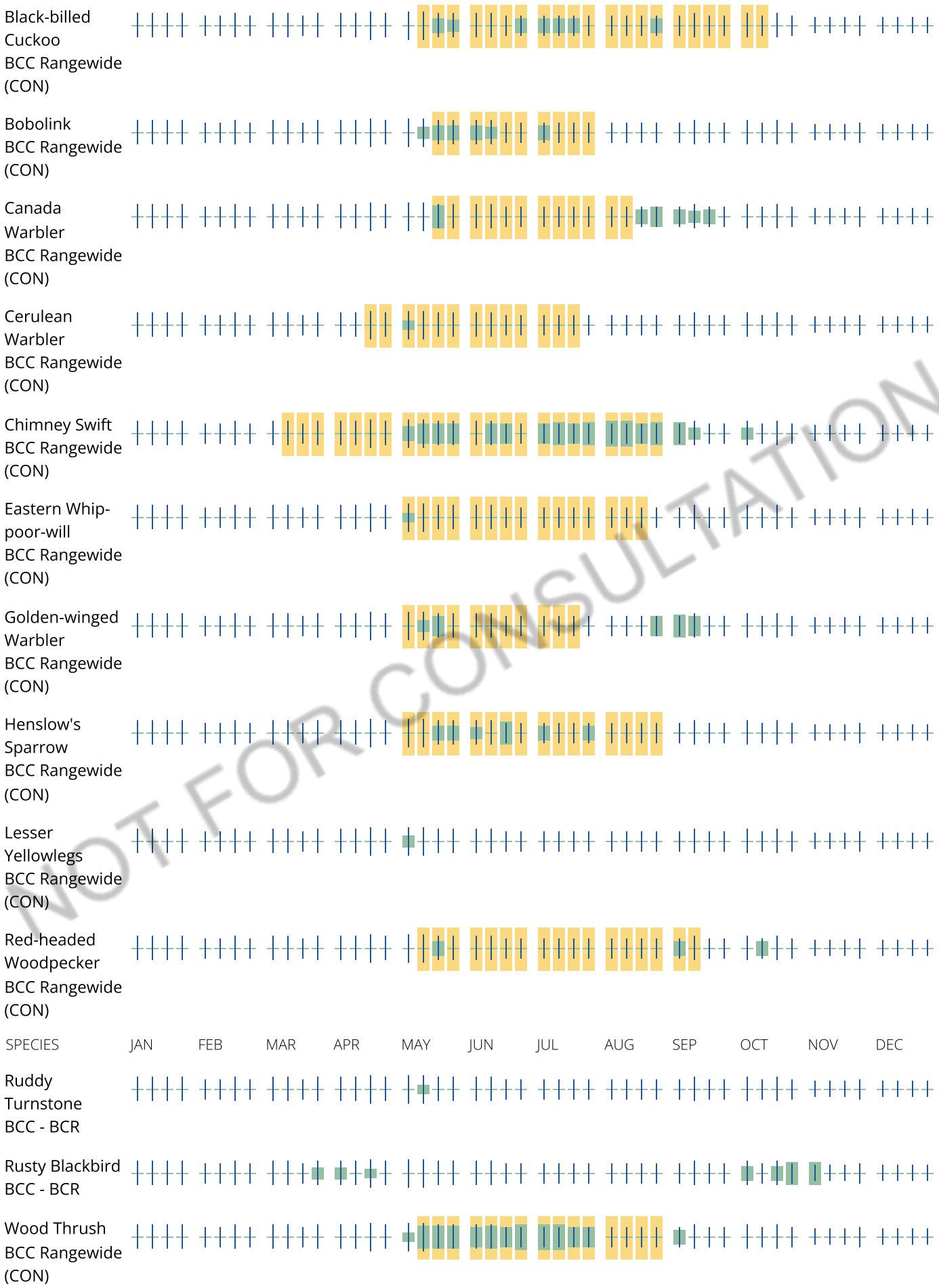

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

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1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn

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more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

Data limitations

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The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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SHPO Historical Properties in Section 25 T32N R25W										
COUNTY	CITYTWP	PROPNAME	ADDRESS	TWNSHP	RANGE	SECT	QUARTERS	USGS	NRH	INVENTNUM
Anoka	Ramsey	District No. 28 School	14100 St. Francis Blvd. NW	32	25	25	SW-SW-SE	Anoka	Y	AN-RMC-001

SHPO Archaeology Surveys in Section 25 T32N R25W											
COUNTY	SITENUM	TOWNSHIP	RANGE	SECTION	XQUARTERS	ACRES	WORKTYPE	DESCRIPT	TRADITION	CONTEXT	ReportNum
Anoka											
	21AN0144	32	25	25	NW-SE-NE,NE-SW-NE	1.3	1	AS	W-1		
	21AN0145	32	25	25	SE-NE-NE	0.8	1	AS	W-1		AN-97-04
	21AN0146	32	25	25	W-SE-E-NE	0.8	1	AS		RA-1	

Appendix D

Greenhouse Gas Analysis

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Emissions Summary

Guidance

The total GHG emissions from each source category are provided below. You may also use this summary sheet to fill out the *Annual GHG Inventory Summary and Goal Tracking Form* as this calculator only quantifies one year of emissions at a time.

https://www.epa.gov/climateleadership/center-corporate-climate-leadership-annual-ghg-inventory-summary-and-goal-tracking

By entering the data below into the appropriate cell of the *Annual GHG Inventory Summary and Goal Tracking Form,* you will be able to compare multiple years of data.

If you have multiple Calculator files covering sub-sets of your inventory for a particular reporting period, sum each of the emission categories (e.g. Stationary Combustion) to an organizational total, which then can be entered into the *Annual GHG Inventory Summary and Goal Tracking Form* .

(A) Enter organization information into the orange cells. Other cells on this sheet will be automatically calculated from the data entered in the sheets in this workbook. Blue cells indicate required emission sources if applicable. Green cells indicate scope 3 emission sources and offsets, which organizations may optionally include in their inventory.

(B) The "Go To Sheet" buttons can be used to navigate to the data entry sheets.

Organizational Information:

Organization Name:	Senior Housing Partners
Organization Address:	14501 Nowthen Blvd NW, Ramsey, MN 55303
Inventory Reporting Period:	*Existing Conditions*
Start:	*2024*
End:	*2028*
Name of Preparer:	Kimley-Horn
Phone Number of Preparer:	612-400-9099
Date Prepared:	2023

Summary of Organization's Emissions:

Scope 1 Emissions

Go To Sheet	Stationary Combustion	838	CO_2-e (metric tons)
Go To Sheet	Mobile Sources	0	CO_2-e (metric tons)
Go To Sheet	Refrigeration / AC Equipment Use	0	CO_2-e (metric tons)
Go To Sheet	Fire Suppression	0	CO_2-e (metric tons)
Go To Sheet	Purchased Gases	0	CO_2-e (metric tons)

Location-Based Scope 2 Emissions

Go To Sheet	Purchased and Consumed Electricity	48	CO_2-e (metric tons)
Go To Sheet	Purchased and Consumed Steam	0	CO_2-e (metric tons)

Market-Based Scope 2 Emissions

Go To Sheet	Purchased and Consumed Electricity	48	CO_2-e (metric tons)

Go To Sheet	Purchased and Consumed Steam	0	CO_2-e (metric tons)

Total organization Emissions

Total Scope 1 & Location-Based Scope 2	886	CO_2-e (metric tons)
Total Scope 1 & Market-Based Scope 2	886	CO_2-e (metric tons)

Reductions

Go To Sheet	Offsets	0	CO_2-e (metric tons)

Net Scope 1 and 2 Location-Based Emissions	886	CO_2-e (metric tons)
Net Scope 1 and 2 Market-Based Emissions	886	CO_2-e (metric tons)

Scope 3 Emissions

Go To Sheet	Employee Business Travel	0	CO_2-e (metric tons)
Go To Sheet	Employee Commuting	0	CO_2-e (metric tons)
Go To Sheet	Product Transport	0	CO_2-e (metric tons)
Go To Sheet	Waste	2,084	CO_2-e (metric tons)

Required Supplemental Information

Go To Sheet	Biomass CO_2 Emissions from Stationary Sources	0	CO_2-e (metric tons)
Go To Sheet	Biomass CO_2 Emissions from Mobile Sources	0	CO_2-e (metric tons)

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Scope 1 Emissions from Stationary Combustion Sources

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U.S. Environmental Protection Agency

Guidance

(A) Enter annual data for each combustion unit, facility, or site (by fuel type) in ORANGE cells on **Table 1**. Example entry is shown in first row (*GREEN Italics*).

- Select "Fuel Combusted" from drop down box.
- Enter "Quantity Combusted" and choose the appropriate units from the drop down box in the unit column. If it's necessary to convert units, common heat contents can be found on the "Heat Content" sheet and unit conversions on the "Unit Conversion" sheet.

(B) If fuel is consumed in a facility but stationary fuel consumption data are not available, an estimate should be made for completeness. See the "Items to Note" section of the Help sheet for suggested estimation approaches.

(C) Biomass CO_2 emissions are not reported in the total emissions, but are reported separately at the bottom of the sheet.

Table 1. Stationary Source Fuel Combustion

Source ID	Source Description	Source Area (sq ft)	Fuel Combusted	Quantity Combusted	Units
BLR-012	*East Power Plant*	*12,517*	*Natural Gas*	*10,000*	*MMBtu*
Institutional	Natural Gas Use	557,568	Natural Gas	15,668	MMBtu
Single Fam	Natural Gas Use	2	Natural Gas	115	MMBtu

GHG Emissions

Total Organization-Wide Stationary Source Combustion by Fuel Type

Fuel Type	Quantity Combusted	Units
Anthracite Coal	0	short tons
Bituminous Coal	0	short tons
Sub-bituminous Coal	0	short tons

Lignite Coal	0	short tons
Natural Gas	15,382,710	scf
Distillate Fuel Oil No. 2	0	gallons
Residual Fuel Oil No. 6	0	gallons
Kerosene	0	gallons
Liquefied Petroleum Gases (LPG)	0	gallons
Wood and Wood Residuals	0	short tons
Landfill Gas	0	scf

Total Organization-Wide CO_2, CH_4 and N_2O Emissions from Stationary Source Fuel Combustion

Fuel Type	CO_2 (kg)	CH_4 (g)	N_2O (g)
Anthracite Coal	0.0	0.0	0.0
Bituminous Coal	0.0	0.0	0.0
Sub-bituminous Coal	0.0	0.0	0.0
Lignite Coal	0.0	0.0	0.0
Natural Gas	837,434.8	15,844.2	1,538.3
Distillate Fuel Oil No. 2	0.0	0.0	0.0
Residual Fuel Oil No. 6	0.0	0.0	0.0
Kerosene	0.0	0.0	0.0
Liquefied Petroleum Gases (LPG)	0.0	0.0	0.0
Total Fossil Fuel Emissions	**837,434.8**	**15,844.2**	**1,538.3**
Wood and Wood Residuals	0.0	0.0	0.0
Landfill Gas	0.0	0.0	0.0
Total Non-Fossil Fuel Emissions	**0.0**	**0.0**	**0.0**
Total Emissions for all Fuels	**837,434.8**	**15,844.2**	**1,538.3**

Total CO_2 Equivalent Emissions (metric tons) - Stationary Combustion	**838.3**
Total Biomass CO_2 Equivalent Emissions (metric tons) - Stationary Combustion	**0.0**

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Scope 2 Emissions from Purchase of Electricity

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Guidance

The Indirect Emissions from Purchased Electricity Guidance document provides guidance for quantifying two scope 2 emissions totals, using a **location-based method** and a **market-based method**. The organization should quantify and report both totals in its GHG inventory. The location-based method considers average emission factors for the electricity grids that provide electricity. The market-based method considers contractual arrangements under which the organization procures electricity from specific sources, such as renewable energy.

(A) Enter total annual electricity purchased in kWh and each eGRID subregion for each facility or site in ORANGE cells of **Table 1**.
(B) If electricity consumption data are not available for a facility, an estimate should be made for completeness.
See the "Items to Note" section of the Help sheet for suggested estimation approaches.
(C) Select "eGRID subregion" from drop box and enter "Electricity Purchased."
- Use map (Figure 1) at bottom of sheet to determine appropriate eGRID subregion. If subregion cannot be determined from the map, find the correct subregion by entering the location's zip code into EPA's Power Profiler:
https://www.epa.gov/egrid/power-profiler#/
(D) See the market-based emission factor hierarchy on the market-based method Help sheet. If any of the first four types of emission factors are applicable, enter the factors in the yellow cells marked as "<enter factor>". If not, leave the yellow cells as is, and eGRID subregion factors will be used for market-based emissions.
Example entry is shown in first row (*GREEN Italics*) for a facility that purchases RECs for 100% of its consumption, and therefore has a market-based emission factor of 0.

Help - Market-Based Method

Tips: Enter electricity usage by location and then look up the eGRID subregion for each location.
If you purchase renewable energy that is less than 100% of your site's electricity, see the example in the market-based method Help sheet.

Table 1. Total Amount of Electricity Purchased by eGRID Subregion

					Market-Based						Location-Based		
					Use these cells to enter applicable market-based emission factors								
					Emission Factors			Emissions			Emissions		
Source ID	Source Description	Source Area (sq ft)	eGRID Subregion *where electricity is consumed*	Electricity Purchased (kWh)	CO_2 Emissions (lb/MWh)	CH_4 Emissions (lb/MWh)	N_2O Emissions (lb/MWh)	CO_2 Emissions (lb)	CH_4 Emissions (lb)	N_2O Emissions (lb)	CO_2 Emissions (lb)	CH_4 Emissions (lb)	N_2O Emissions (lb)
Bldg-012	*East Power Plant*	*12,517*	*HIMS (HICC Miscellaneous)*	*200,000*	*0*	*0*	*0*	*0.0*	*0.0*	*0.0*	*237,120.0*	*28.6*	*4.4*
Institutional	Electricity Use	557,568	MROW (MRO West)	78,880	<enter factor>	<enter factor>	<enter factor>	86,641.8	9.4	1.3	86,641.8	9.4	1.3
Single Fami	Electricity Use	2	MROW (MRO West)	16,084	<enter factor>	<enter factor>	<enter factor>	17,666.7	1.9	0.3	17,666.7	1.9	0.3
					<enter factor>	<enter factor>	<enter factor>					

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Scope 3 Emissions from Waste

Guidance

(A) Enter annual waste data in ORANGE cells. Example entry is shown in first row (*GREEN Italics*).

(B) Choose the appropriate material and disposal method from the drop down options. For the average-data method, use one of the mixed material types, such as mixed MSW. If the exact waste material is not available, consider an appropriate proxy. For example, dimensional lumber can be used as a proxy for wood furniture.

(C) Choose an appropriate disposal method. Note that not all disposal methods are available for all materials. If there is a #NA or # Value error in the emissions column, you must pick a new material type or appropriate disposal method.

Table 1. Waste Disposal Weight by Waste Material and Disposal Method (CO_2, CH_4 and N_2O)

Source ID	Source Description	Waste Material	Disposal Method	Weight	Unit	CO_2e Emissions (kg)
Bldg-012	*East Power Plant Finished Goods*	*Steel Cans*	*Landfilled*	*1,000*	*metric ton*	*22,040*
Nonresidential Buildings	Nonresidential Waste	Mixed MSW municipal solid waste	Combusted	3,345	metric ton	*1,585,062*
Residential	Residential Waste	Mixed MSW municipal solid waste	Combusted	2	metric ton	*948*
Nonresidential Buildings	Nonresidential Waste	Mixed Recyclables	Recycled	5,018	metric ton	*497,685*
Residential	Residential Waste	Mixed Recyclables	Recycled	3	metric ton	*298*

GHG Emissions

Total Emissions by Disposal Method

Waste Material	CO_2e (kg)
Recycled	497,983
Landfilled	-
Combusted	1,586,009
Composted	-
Anaerobically Digested (Dry Digestate with Curing)	-
Anaerobically Digested (Wet Digestate with Curing)	-

Total CO_2 Equivalent Emissions (metric tons) - Waste	**2,084.0**

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Emissions Summary

Guidance

The total GHG emissions from each source category are provided below. You may also use this summary sheet to fill out the *Annual GHG Inventory Summary and Goal Tracking Form* as this calculator only quantifies one year of emissions at a time.

https://www.epa.gov/climateleadership/center-corporate-climate-leadership-annual-ghg-inventory-summary-and-goal-tracking

By entering the data below into the appropriate cell of the *Annual GHG Inventory Summary and Goal Tracking Form,* you will be able to compare multiple years of data.

If you have multiple Calculator files covering sub-sets of your inventory for a particular reporting period, sum each of the emission categories (e.g. Stationary Combustion) to an organizational total, which then can be entered into the *Annual GHG Inventory Summary and Goal Tracking Form* .

(A) Enter organization information into the orange cells. Other cells on this sheet will be automatically calculated from the data entered in the sheets in this workbook. Blue cells indicate required emission sources if applicable. Green cells indicate scope 3 emission sources and offsets, which organizations may optionally include in their inventory.

(B) The "Go To Sheet" buttons can be used to navigate to the data entry sheets.

Organizational Information:

Organization Name:	Senior Housing Partners
Organization Address:	14501 Nowthen Blvd NW, Ramsey, MN 55303
Inventory Reporting Period:	*Proposed Development*
Start:	*2024*
End:	*2028*
Name of Preparer:	Kimley-Horn
Phone Number of Preparer:	612-400-9099
Date Prepared:	2023

Summary of Organization's Emissions:

Scope 1 Emissions

Go To Sheet	Stationary Combustion	1,295	CO_2-e (metric tons)
Go To Sheet	Mobile Sources	1,145	CO_2-e (metric tons)
Go To Sheet	Refrigeration / AC Equipment Use	0	CO_2-e (metric tons)
Go To Sheet	Fire Suppression	0	CO_2-e (metric tons)
Go To Sheet	Purchased Gases	0	CO_2-e (metric tons)

Location-Based Scope 2 Emissions

Go To Sheet	Purchased and Consumed Electricity	1,423	CO_2-e (metric tons)
Go To Sheet	Purchased and Consumed Steam	0	CO_2-e (metric tons)

Market-Based Scope 2 Emissions

Go To Sheet	Purchased and Consumed Electricity	1,423	CO_2-e (metric tons)

Go To Sheet	Purchased and Consumed Steam	0	CO_2-e (metric tons)

Total organization Emissions

Total Scope 1 & Location-Based Scope 2	3,863	CO_2-e (metric tons)
Total Scope 1 & Market-Based Scope 2	3,863	CO_2-e (metric tons)

Reductions

Go To Sheet	Offsets	0	CO_2-e (metric tons)

Net Scope 1 and 2 Location-Based Emissions	3,863	CO_2-e (metric tons)
Net Scope 1 and 2 Market-Based Emissions	3,863	CO_2-e (metric tons)

Scope 3 Emissions

Go To Sheet	Employee Business Travel	0	CO_2-e (metric tons)
Go To Sheet	Employee Commuting	0	CO_2-e (metric tons)
Go To Sheet	Product Transport	0	CO_2-e (metric tons)
Go To Sheet	Waste	2,373	CO_2-e (metric tons)

Required Supplemental Information

Go To Sheet	Biomass CO_2 Emissions from Stationary Sources	0	CO_2-e (metric tons)
Go To Sheet	Biomass CO_2 Emissions from Mobile Sources	0	CO_2-e (metric tons)

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Scope 1 Emissions from Stationary Combustion Sources

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U.S. Environmental Protection Agency

Guidance

(A) Enter annual data for each combustion unit, facility, or site (by fuel type) in ORANGE cells on **Table 1**. Example entry is shown in first row (*GREEN Italics*).

- Select "Fuel Combusted" from drop down box.
- Enter "Quantity Combusted" and choose the appropriate units from the drop down box in the unit column. If it's necessary to convert units, common heat contents can be found on the "Heat Content" sheet and unit conversions on the "Unit Conversion" sheet.

(B) If fuel is consumed in a facility but stationary fuel consumption data are not available, an estimate should be made for completeness. See the "Items to Note" section of the Help sheet for suggested estimation approaches.

(C) Biomass CO_2 emissions are not reported in the total emissions, but are reported separately at the bottom of the sheet.

Table 1. Stationary Source Fuel Combustion

Source ID	Source Description	Source Area (sq ft)	Fuel Combusted	Quantity Combusted	Units
BLR-012	*East Power Plant*	*12,517*	*Natural Gas*	*10,000*	*MMBtu*
Institutional	Natural Gas Use	557,568	Natural Gas	15,668	MMBtu
Multifamily	Natural Gas Use	146,529	Natural Gas	8,715	MMBtu

GHG Emissions

Total Organization-Wide Stationary Source Combustion by Fuel Type

Fuel Type	Quantity Combusted	Units
Anthracite Coal	0	short tons
Bituminous Coal	0	short tons
Sub-bituminous Coal	0	short tons

Lignite Coal	0	short tons
Natural Gas	23,764,777	scf
Distillate Fuel Oil No. 2	0	gallons
Residual Fuel Oil No. 6	0	gallons
Kerosene	0	gallons
Liquefied Petroleum Gases (LPG)	0	gallons
Wood and Wood Residuals	0	short tons
Landfill Gas	0	scf

Total Organization-Wide CO_2, CH_4 and N_2O Emissions from Stationary Source Fuel Combustion

Fuel Type	CO_2 (kg)	CH_4 (g)	N_2O (g)
Anthracite Coal	0.0	0.0	0.0
Bituminous Coal	0.0	0.0	0.0
Sub-bituminous Coal	0.0	0.0	0.0
Lignite Coal	0.0	0.0	0.0
Natural Gas	1,293,754.4	24,477.7	2,376.5
Distillate Fuel Oil No. 2	0.0	0.0	0.0
Residual Fuel Oil No. 6	0.0	0.0	0.0
Kerosene	0.0	0.0	0.0
Liquefied Petroleum Gases (LPG)	0.0	0.0	0.0
Total Fossil Fuel Emissions	**1,293,754.4**	**24,477.7**	**2,376.5**
Wood and Wood Residuals	0.0	0.0	0.0
Landfill Gas	0.0	0.0	0.0
Total Non-Fossil Fuel Emissions	**0.0**	**0.0**	**0.0**
Total Emissions for all Fuels	**1,293,754.4**	**24,477.7**	**2,376.5**

Total CO_2 Equivalent Emissions (metric tons) - Stationary Combustion	**1,295.1**
Total Biomass CO_2 Equivalent Emissions (metric tons) - Stationary Combustion	**0.0**

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U.S. Environmental Protection Agency

Scope 1 Emissions from Mobile Sources

Guidance

(A) Enter annual data for each vehicle or group of vehicles (grouped by vehicle type, vehicle year, and fuel type) in ORANGE cells in **Table 1**. Example entry is shown in first row (GREEN *Italics*). Only enter vehicles owned or leased by your organization on this sheet. All other vehicle use such as employee commuting or business travel is considered a scope 3 emissions source and should be reported in the corresponding scope 3 sheets.

- Select "On-Road" or "Non-Road" from drop down box to determine the Vehicle Types available.
- Select "Vehicle Type" from drop down box (closest type available).
- Enter "Fuel Usage" in appropriate units (units appear when vehicle type is selected).
- If mileage or fuel usage is unknown, estimate using approximate fuel economy values (see **Reference Table** below).
- Vehicle year and Miles traveled are not necessary for non-road equiment.

(B) When using biofuels, typically the biofuel (biodiesel or ethanol) is mixed with a petroleum fuel (diesel or gasoline) for use in vehicles. Enter the biodiesel and ethanol percentages of the fuel if known, or leave default values.

Biodiesel Percent:	20	%
Ethanol Percent:	80	%

(C) Biomass CO_2 emissions from biodiesel and ethanol are not reported in the total emissions, but are reported separately at the bottom of the sheet.

Table 1. Mobile Source Fuel Combustion and Miles Traveled

Source ID	Source Description	On-Road or Non-Road?	Vehicle Type	Vehicle Year	Fuel Usage	Units	Miles Traveled
Fleet-012	*HQ Fleet*	*NonRoad*	*Ships and Boats - Diesel*	*1990*	*500*	*gal*	*3,670*
Construction Equipment (non-road g	Construction Equipment	NonRoad	Construction/Mining Equipment - Gasoline (2 stroke)	2007	24,750	gal	0
Passenger Cars	Construction Equipment	OnRoad	Passenger Cars - Gasoline	2007	84	gal	4,368
Construction Equipment (non-road d	Construction Equipment	NonRoad	Construction/Mining Equipment - Diesel	2007	88,391	gal	0
Medium- and Heavy- Duty Trucks	Construction Equipment	OnRoad	Medium- and Heavy-Duty Vehicles - Diesel	2007	177	gal	1,560
Light Trucks	Construction Equipment	OnRoad	Light-Duty Trucks - Gasoline	2007	165	gal	1,560

Reference Table: Average Fuel Economy by Vehicle Type

Vehicle Type	Average Fuel Economy (mpg)
Passenger Cars	24.1
Motorcycles	44.0
Diesel Buses (Diesel Heavy-Duty Vehicles)	7.3
Other 2-axle, 4-Tire Vehicles	17.6
Single unit 2-Axle 6-Tire or More Trucks	7.5
Combination Trucks	6.1

GHG Emissions

Total Organization-Wide Mobile Source Fuel Usage and CO_2 Emissions (On-Road and Off-Road Vehicles)

Fuel Type	Fuel Usage	Units	CO_2 (kg)	
Motor Gasoline	24,999	gallons	219,491.2	
Diesel Fuel	88,568	gallons	904,279.3	
Residual Fuel Oil	0	gallons	0.0	
Aviation Gasoline	0	gallons	0.0	
Kerosene-Type Jet Fuel	0	gallons	0.0	
Liquefied Petroleum Gas (LPG)	0	gallons	0.0	
Ethanol	0	gallons	0.0	*Note: emissions here are only for the g*
Biodiesel	0	gallons	0.0	*Note: emissions here are only for the d*
Liquefied Natural Gas (LNG)	0	gallons	0.0	
Compressed Natural Gas (CNG)	0	scf	0.0	

Total Organization-Wide On-Road Gasoline Mobile Source Mileage and CH_4/N_2O Emissions

Vehicle Type	Vehicle Year	Mileage (miles)	CH_4 (g)	N_2O (g)
Passenger Cars - Gasoline	1984-93	0	0.0	0.0
	1994	0	0.0	0.0
	1995	0	0.0	0.0
	1996	0	0.0	0.0
	1997	0	0.0	0.0
	1998	0	0.0	0.0
	1999	0	0.0	0.0
	2000	0	0.0	0.0
	2001	0	0.0	0.0
	2002	0	0.0	0.0
	2003	0	0.0	0.0
	2004	0	0.0	0.0
	2005	0	0.0	0.0
	2006	0	0.0	0.0
	2007	4,368	31.4	22.7
	2008	0	0.0	0.0
	2009	0	0.0	0.0
	2010	0	0.0	0.0
	2011	0	0.0	0.0
	2012	0	0.0	0.0
	2013	0	0.0	0.0
	2014	0	0.0	0.0
	2015	0	0.0	0.0
	2016	0	0.0	0.0
	2017	0	0.0	0.0
	2018	0	0.0	0.0
Light-Duty Trucks - Gasoline (Vans, Pickup Trucks, SUVs)	1987-93	0	0.0	0.0
	1994	0	0.0	0.0
	1995	0	0.0	0.0
	1996	0	0.0	0.0
	1997	0	0.0	0.0
	1998	0	0.0	0.0
	1999	0	0.0	0.0
	2000	0	0.0	0.0
	2001	0	0.0	0.0
	2002	0	0.0	0.0
	2003	0	0.0	0.0
	2004	0	0.0	0.0
	2005	0	0.0	0.0
	2006	0	0.0	0.0
	2007	1,560	16.1	9.5
	2008	0	0.0	0.0
	2009	0	0.0	0.0
	2010	0	0.0	0.0
	2011	0	0.0	0.0
	2012	0	0.0	0.0
	2013	0	0.0	0.0
	2014	0	0.0	0.0
	2015	0	0.0	0.0
	2016	0	0.0	0.0
	2017	0	0.0	0.0
	2018	0	0.0	0.0
Heavy-Duty Vehicles - Gasoline	1985-86	0	0.0	0.0
	1987	0	0.0	0.0
	1988-1989	0	0.0	0.0
	1990-1995	0	0.0	0.0
	1996	0	0.0	0.0
	1997	0	0.0	0.0
	1998	0	0.0	0.0
	1999	0	0.0	0.0
	2000	0	0.0	0.0
	2001	0	0.0	0.0
	2002	0	0.0	0.0
	2003	0	0.0	0.0
	2004	0	0.0	0.0
	2005	0	0.0	0.0
	2006	0	0.0	0.0
	2007	0	0.0	0.0
	2008	0	0.0	0.0
	2009	0	0.0	0.0
	2010	0	0.0	0.0
	2011	0	0.0	0.0
	2012	0	0.0	0.0
	2013	0	0.0	0.0
	2014	0	0.0	0.0
	2015	0	0.0	0.0
	2016	0	0.0	0.0
	2017	0	0.0	0.0
	2018	0	0.0	0.0
Motorcycles - Gasoline	1960-1995	0	0.0	0.0
	1996-present	0	0.0	0.0

Total Organization-Wide On-Road Non-Gasoline Mobile Source Mileage and CH_4/N_2O Emissions

Vehicle Type	Fuel Type	Vehicle Year	Mileage (miles)	CH_4 (g)	N_2O (g)
Passenger Cars - Diesel	Diesel	1960-1982	0	0.0	0.0
		1983-1995	0	0.0	0.0
		1996-2006	0	0.0	0.0
		2007-2018	0	0.0	0.0
Light-Duty Trucks - Diesel	Diesel	1960-1982	0	0.0	0.0
		1983-1995	0	0.0	0.0

Light-Duty Trucks - Diesel	Diesel	1996-2006	0	0.0	0.0
		2007-2018	0	0.0	0.0
Medium- and Heavy-Duty Vehicles -	Diesel	1960-2006	0	0.0	0.0
		2007-2018	1,560	14.8	67.2
Light-Duty Cars	Methanol		0	0.0	0.0
	Ethanol		0	0.0	0.0
	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	Biodiesel		0	0.0	0.0
Light-Duty Trucks	Ethanol		0	0.0	0.0
	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	LNG		0	0.0	0.0
	Biodiesel		0	0.0	0.0
Medium-Duty Trucks	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	LNG		0	0.0	0.0
	Biodiesel		0	0.0	0.0
Heavy-Duty Trucks	Methanol		0	0.0	0.0
	Ethanol		0	0.0	0.0
	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	LNG		0	0.0	0.0
	Biodiesel		0	0.0	0.0
Buses	Methanol		0	0.0	0.0
	Ethanol		0	0.0	0.0
	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	LNG		0	0.0	0.0
	Biodiesel		0	0.0	0.0

Total Organization-Wide Non-Road Mobile Source Fuel Usage and CH_4/N_2O Emissions

Vehicle Type	Fuel Type	Fuel Usage (gallons)	CH_4 (g)	N_2O (g)
Ships and Boats	Residual Fuel Oil	-	-	-
	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
Locomotives	Diesel	-	-	-
Aircraft	Jet Fuel	-	-	-
	Aviation Gasoline	-	-	-
Agricultural Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Agricultural Offroad Trucks	Gasoline	-	-	-
	Diesel	-	-	-
Construction/Mining Equipment	Gasoline (2 stroke)	24,750	307,395	1,733
	Gasoline (4 stroke)	-	-	-
	Diesel	88,391	17,678	41,544
	LPG	-	-	-
Construction/Mining Offroad Trucks	Gasoline	-	-	-
	Diesel	-	-	-
Lawn and Garden Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Airport Equipment	Gasoline	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Industrial/Commercial Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Logging Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
Railroad Equipment	Gasoline	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Recreational Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
	LPG	-	-	-

Total CO_2 Equivalent Emissions (metric tons) - Mobile Sources	**1,144.8**
Total Biomass CO_2 Equivalent Emissions (metric tons) - Mobile Sources	**0.0**

Notes:

1. Average mpg values from the U.S. Department of Transportation, Federal Highway Administration, Highway Statistics 2019 (Nov 2020), Table VM-1.

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Scope 2 Emissions from Purchase of Electricity

EPA CENTER FOR CORPORATE CLIMATE LEADERSHIP
U.S. Environmental Protection Agency

Guidance

The Indirect Emissions from Purchased Electricity Guidance document provides guidance for quantifying two scope 2 emissions totals, using a **location-based method** and a **market-based method**. The organization should quantify and report both totals in its GHG inventory. The location-based method considers average emission factors for the electricity grids that provide electricity. The market-based method considers contractual arrangements under which the organization procures electricity from specific sources, such as renewable energy.

(A) Enter total annual electricity purchased in kWh and each eGRID subregion for each facility or site in ORANGE cells of **Table 1**.
(B) If electricity consumption data are not available for a facility, an estimate should be made for completeness.
See the "Items to Note" section of the Help sheet for suggested estimation approaches.
(C) Select "eGRID subregion" from drop box and enter "Electricity Purchased."
- Use map (Figure 1) at bottom of sheet to determine appropriate eGRID subregion. If subregion cannot be determined from the map, find the correct subregion by entering the location's zip code into EPA's Power Profiler:
https://www.epa.gov/egrid/power-profiler#/
(D) See the market-based emission factor hierarchy on the market-based method Help sheet. If any of the first four types of emission factors are applicable, enter the factors in the yellow cells marked as "<enter factor>". If not, leave the yellow cells as is, and eGRID subregion factors will be used for market-based emissions.
Example entry is shown in first row (*GREEN Italics*) for a facility that purchases RECs for 100% of its consumption, and therefore has a market-based emission factor of 0.

Help - Market-Based Method

Tips: Enter electricity usage by location and then look up the eGRID subregion for each location.
If you purchase renewable energy that is less than 100% of your site's electricity, see the example in the market-based method Help sheet.

Table 1. Total Amount of Electricity Purchased by eGRID Subregion

					Market-Based *Use these cells to enter applicable market-based emission factors*						**Location-Based**		
					Emission Factors			**Emissions**			**Emissions**		
Source ID	**Source Description**	**Source Area (sq ft)**	**eGRID Subregion** *where electricity is consumed*	**Electricity Purchased (kWh)**	**CO_2 Emissions (lb/MWh)**	**CH_4 Emissions (lb/MWh)**	**N_2O Emissions (lb/MWh)**	**CO_2 Emissions (lb)**	**CH_4 Emissions (lb)**	**N_2O Emissions (lb)**	**CO_2 Emissions (lb)**	**CH_4 Emissions (lb)**	**N_2O Emissions (lb)**
Bldg-012	*East Power Plant*	*12,517*	*HIMS (HICC Miscellaneous)*	*200,000*	*0*	*0*	*0*	*0.0*	*0.0*	*0.0*	*237,120.0*	*28.6*	*4.4*
Institutional	Electricity Use	557,568	MROW (MRO West)	78,880	<enter factor>	<enter factor>	<enter factor>	86,641.8	9.4	1.3	86,641.8	9.4	1.3
Multifamily h	Electricity Use	146,529	MROW (MRO West)	2,756,928	<enter factor>	<enter factor>	<enter factor>	3,028,209.7	328.1	46.9	3,028,209.7	328.1	46.9
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
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					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
Total Emissions for All Sources				2,835,808				3,114,851.5	337.5	48.2	3,114,851.5	337.5	48.2

GHG Emissions

CO_2 Equivalent Emissions (metric tons)	
Location-Based Electricity Emissions	**1,423.2**
Market-Based Electricity Emissions	**1,423.2**

Notes:
1. CO_2, CH_4 and N_2O emissions are estimated using methodology provided in EPA's Center for Corporate Climate Leadership Greenhouse Gas Inventory Guidance - Indirect Emissions from Purchased Electricity (January 2016).

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EPA CENTER FOR CORPORATE CLIMATE LEADERSHIP
U.S. Environmental Protection Agency

Scope 3 Emissions from Waste

Guidance

(A) Enter annual waste data in ORANGE cells. Example entry is shown in first row (*GREEN Italics*).

(B) Choose the appropriate material and disposal method from the drop down options. For the average-data method, use one of the mixed material types, such as mixed MSW. If the exact waste material is not available, consider an appropriate proxy. For example, dimensional lumber can be used as a proxy for wood furniture.

(C) Choose an appropriate disposal method. Note that not all disposal methods are available for all materials. If there is a #NA or # Value error in the emissions column, you must pick a new material type or appropriate disposal method.

Table 1. Waste Disposal Weight by Waste Material and Disposal Method (CO_2, CH_4 and N_2O)

Source ID	Source Description	Waste Material	Disposal Method	Weight	Unit	CO_2e Emissions (kg)
Bldg-012	*East Power Plant Finished Goods*	*Steel Cans*	*Landfilled*	*1,000*	*metric ton*	*22,040*
Nonresidential Buildings	Nonresidential Waste	Mixed MSW municipal solid waste	Combusted	3,345	metric ton	*1,585,062*
Residential	Residential Waste	Mixed MSW municipal solid waste	Combusted	467	metric ton	*221,293*
Nonresidential Buildings	Nonresidential Recycling	Mixed Recyclables	Recycled	5,018	metric ton	*497,696*
Residential	Residential Recycling	Mixed Recyclables	Recycled	700	metric ton	*69,426*

Total Emissions by Disposal Method

Waste Material	CO_2e (kg)
Recycled	567,122
Landfilled	-
Combusted	1,806,354
Composted	-
Anaerobically Digested (Dry Digestate with Curing)	-
Anaerobically Digested (Wet Digestate with Curing)	-

Total CO_2 Equivalent Emissions (metric tons) - Waste	**2,373.5**

Appendix E

Traffic Analysis

TRAFFIC IMPACT ANALYSIS

HAVILAND FIELDS

RAMSEY, MINNESOTA

Prepared for:

Senior Housing Partners

Prepared By:

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JULY 2023

Kimley»Horn

TRAFFIC IMPACT ANALYSIS

HAVILAND FIELDS

RAMSEY, MINNESOTA

REPORT CERTIFICATION

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Jacob Rojer, P.E., PTOE

License No. 56767

July 17, 2023

Date

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APPENDIX

A. Exhibits

B. Turning Movement Counts

C. Site Layout Exhibit

D. SimTraffic Analysis Results

INTRODUCTION

Presbyterian Homes is proposing a new residential development on the +/- 35-acre Lord of Life Church site in Ramsey, MN. The development would include includes 303 multifamily housing (Mid-rise) units, 22 senior adult housing – single family units and 173 senior adult housing – multi-family units for a total of 498 units. The existing church will remain on site. **Exhibit 1** shows the proposed project location. All exhibits are included in **Appendix A.**

EXISTING ROADWAY CONDITIONS

The proposed development is located on the northwest corner of MN-47 and CSAH 5. The following intersections will be included in the traffic capacity analysis:

- MN-47 (St Francis Blvd) & Nowthen Blvd NW
- MN-47 (St Francis Blvd) & Sunwood Dr NW
- CSAH 5 (Nowthen Blvd) & Dysprosium St NW
- CSAH 5 (Nowthen Blvd) & Iodine St NW
- CSAH 5 (Nowthen Blvd) & Lord of Life Church Access
- CSAH 5 (Nowthen Blvd) & 146th Ave NW
- CSAH 5 (Nowthen Blvd) & Sunwood Dr
- Sunwood Dr & Cobalt St NW

The study intersection locations are shown in **Exhibit 1**.

EXISTING ROADWAYS

The following provides a detailed description of the major surrounding roadways.

MN-47 (St Francis Blvd) is a north-south, two-lane, divided highway, with a single through lane and turn lanes provided at all accesses. The MnDOT Functional Classification Map classifies MN-47 as A-Minor Connector. The MnDOT Traffic Mapping Application reports an annual average daily traffic (AADT) of 22,000 vehicles per day (vpd) in 2019 south of CSAH 5 and 12,100 vpd in 2021 north of CSAH 5. The posted speed limit is 45 mph south of CSAH 5 and 55 mph north of CSAH 5.

CSAH 5 (Nowthen Blvd) is a two-lane County Road with a single through lane in each direction and right turn lanes provided at all studied intersections. The highway is divided from MN-47 to Dysprosium St. The roadway runs in a southeast-northwest direction within the study area. The MnDOT Functional Classification Map Classifies CSAH 5 as A-Minor Expander. The MnDOT Traffic Mapping Application reports an AADT of 8,700 vpd in 2021, between MN-47 and Dysprosium St NW. The posted speed limit on CSAH 5 is 30 mph east of MN-47, and 50 mph to the west.

Sunwood Dr NW is an east-west two-lane undivided road with one travel lane in each direction. The Anoka County 2040 Functional Classification Map classifies Sunwood Dr as a local road. The MnDOT Traffic Mapping Application reports that the AADT ranges from 730 (west of MN-47) to

1,950 (east of CSAH 5). The posted speed limit on Sunwood Dr is 30 mph except west of CSAH 5, where it is 35 mph.

Dysprosium St NW is a two-lane north-south roadway with one lane in each direction. Dysprosium St NW is classified as a local Road according to the Anoka Functional Classification Map. In 2021, Dysprosium St NW had an AADT of 3100 vpd, according to the MnDOT Traffic Mapping Application. The current posted speed limit on Dysprosium St NW is 30 mph.

All other roadways are one-lane roadways with no turn lanes. They are all considered to be local roads by Anoka County, have no MnDOT count data, and have a speed limit of 30 mph.

EXISTING TRAFFIC VOLUMES

To analyze the traffic operations at the study intersection, weekday and weekend peak period turning movement counts were collected. The weekend data was collected on 1/29/2023 while the weekday data was collected on 1/27/2023 except for the intersection of CSAH 5 & Sunwood Dr which was collected on 1/30/2023. Weekday and weekend data collection occurred on a typical weekday and typical Sunday when church was in service. **Exhibit 2** provides a summary of the weekday AM and PM peak hour turning traffic volumes. The turning movement count data is provided in **Appendix B**.

The network AM peak hour was determined to be 7:00 AM to 8:00 AM and the network PM peak hour was determined to be 4:30 PM to 5:30 PM. The Sunday peak hours were determined to be 12:00pm to 1:00pm.

BACKGROUND GROWTH AND COMMITTED TRAFFIC

The growth rates were calculated using the forecast in the City of Ramsey's 2040 comprehensive plan. The growth rate was found to be 0.6 % for MN-47, and 0.9% for CSAH 5. These were used to forecast the peak hour traffic at intersections along these corridors in 2027 and 2040. The rest of the roadways in the study area are local/fully developed and are thus considered to have a growth rate of 0%.

Exhibit 4 shows the Opening Year No-Build (2027) turning movement volumes and **Exhibit 5** shows the Horizon Year No-Build (2040) turning movement volumes.

PEDESTRIANS AND BICYCLES

There are existing pedestrian facilities/trails on both sides of Sunwood Dr, Dysprosium Rd and CSAH 5. MN-47 has a pedestrian/bicycle path on its east side only. There are marked crosswalks at all intersections that the pedestrian paths cross, as well as push-buttons at both of the stoplight controlled intersections.

PROPOSED DEVELOPMENT

SITE TRIP GENERATION

The trip-generating potential of the proposed development was calculated using the Institute of Transportation Engineers (ITE) *Trip Generation Manual, Eleventh Edition*. Standard ITE trip rates were used to develop the anticipated total trips generated by the site.

The average rate for ITE Land Use Code (LUC) 221 (Multifamily Housing), ITE LUC 251 (Senior Adult Housing – Single-Family), and ITE LUC 252 (Senior Adult Housing – Multi-Family) were used to calculate the trip generation potential of the site. **Table 1** provides a summary of the number of trips anticipated to be generated during the weekday AM and PM peak hours, including internal capture and pass-by reduction.

As shown, the site is anticipated to generate 153 new trips during the AM peak hour (40 entering, 113 exiting), 168 new trips during the PM peak hour (100 entering, 68 exiting), and 161 new trips in the Sunday peak hour (86 entering, 75 exiting).

Table 1 – Site Trip Generation

Land Use Description	Intensity	Daily	AM Peak Hour			SUN Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total	In	Out	Total
Multifamily Housing	303 Units	1,376	26	86	112	53	44	97	72	46	118
Senior Adult Housing – Single-Family (Twin homes)	22 Units	94	2	4	6	3	2	5	4	3	7
Senior Adult Housing – Multi-Family	173 Units	561	12	23	35	30	29	59	24	19	43
Total Vehicle Trips		1,849	40	113	153	86	75	161	100	68	168

For this analysis, it was assumed that all site trips would be new trips and no mode split reductions for trips via transit, bike or walking were used.

SITE TRIP DISTRIBUTION

The site trips were distributed to the adjacent roadways based on the current traffic patterns in the area and a general assessment of the major regional roadways surrounding the study area. In general, the following global trip distribution was assumed for the development:

- 70% to/from the south on MN-47
- 15% to/from the north on MN-47
- 10% to/from the north on CSAH 5
- 5% to/from the south on Dysprosium Road NW

The trip distribution for the primary site-generated traffic is shown in **Exhibit 5.**

SITE ACCESSES AND ASSIGNMENT

The site will include three (3) accesses. The northern access will be via Cobalt St to the north. The Cobalt St access is expected to only be used by vehicles destined to/from the north. The north access along CSAH 5 which leads to the north of the parking lot for the residential and church. All of the residential parking garages would be located closer to the access further to the south on CSAH 5, it is expected that most of the traffic to this access would come from the north along CSAH 5, with only a small percentage of the traffic originating from MN-47 choosing this access. The third access is across from Iodine St on CSAH 5, this access is expected to be the busiest of the three. The two accesses on CSAH 5 are in the same locations as the existing accesses and the Cobalt St access would be an extension of the current dead end road.

The proposed site plan is included in **Appendix C**. The primary site trips were assigned to the study intersections as shown in **Exhibit 6**. The total site-generated trips are depicted in **Exhibit 7.**

CAPACITY ANALYSIS

A capacity analysis was performed to quantify the delay and level of service at the study intersections during the weekday AM and PM peak hours. The capacity analysis was performed using Synchro/SimTraffic. Existing signal timings used in the analysis were used in the 2020 Center Village Traffic Study.

The capacity of an intersection quantifies its ability to accommodate traffic volumes and is measured in average delay per vehicle. It is expressed in terms of level of service (LOS) which ranges from A to F, with LOS A as the highest (best traffic flow and least delay), LOS E as saturated or at-capacity conditions, and LOS F as the lowest (oversaturated conditions). The LOS grades shown below, which are provided in the Transportation Research Board's Highway Capacity Manual (HCM), quantify and categorize the driver's discomfort, frustration, fuel consumption, and travel times experienced as a result of intersection control and the resulting traffic queuing. A detailed description of each LOS rating can be found in **Table 2**. The range of control delay for each rating (as detailed in the HCM) is also shown in Table 2. Because signalized intersections are expected to carry a larger volume of vehicles and stopping is required during red time, higher delays are tolerated for the corresponding LOS ratings.

Table 2 – Level of Service Information

Level of Service	Average Control Delay (seconds/vehicle)	Description
A	0-10 (Unsignalized); 0-10 (Signalized)	Minimal control delay; traffic operates at primarily free-flow conditions; unimpeded movement within traffic stream.
B	>10-15 (Unsignalized); >10-20 (Signalized)	Minor control delay at signalized intersections; traffic operates at a fairly unimpeded level with slightly restricted movement within traffic stream.
C	>15-25 (Unsignalized); >20-35 (Signalized)	Moderate control delay; movement within traffic stream more restricted than at LOS B; formation of queues contributes to lower average travel speeds.
D	>25-35 (Unsignalized); >35-55 (Signalized)	Considerable control delay that may be substantially increased by small increases in flow; average travel speeds continue to decrease.
E	>35-50 (Unsignalized); >55-80 (Signalized)	High control delay; average travel speed no more than 33 percent of free flow speed.
F	>50 (Unsignalized); >80 (Signalized)	Extremely high control delay; extensive queuing and high volumes create exceedingly restricted traffic flow.

Traffic models for each scenario were developed using Synchro/SimTraffic, and the delay and queueing were evaluated for each scenario. The scenarios that were analyzed are as follows:

- Existing Year (2023)
- Opening Year (2027) No-Build
- Opening Year (2027) Build
- Design Year (2040) No-Build
- Design Year (2040) Build

EXISTING YEAR (2023) CONDITIONS

A capacity analysis was performed for Existing Year (2023) conditions in order to develop baseline operating conditions for the current year. The analysis was performed using Synchro/SimTraffic. The three site accesses were modeled with the existing geometry and intersection control. The four study intersections were also modeled with the existing geometry and intersection control as summarized in Exhibit 2. Signal timings were obtained from MnDOT. The traffic volumes are provided in Exhibit 3.

The results of the analysis are provided in **Table 3**.

Table 3 – Existing Year (2023) Intersection Analysis

Lord of Life SimTraffic Delay Summary - Existing AM Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	Delay (sec/veh)	LOS	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	13.7	B	11.0	B	6.9	A	13.9	B
		WB	13.9	B	11.1	B	1.5	A		
		NB	2.0	A	0.8	A	0.2	A		
		SB	-	-	1.3	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	2.1	A	2.4	A	4.5	B
		WB	1.7	A	0.6	A	0.0	A		
		NB	4.5	A	-	-	2.3	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	44.8	D	45.0	D	6.3	A	7.2	A
		WB	40.1	D	41.8	D	5.8	A		
		NB	51.8	D	5.8	A	3.5	A		
		SB	63.6	E	3.5	A	1.6	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	5.1	A	0.0	A	10.0	A	10.0	A
		WB	2.2	A	-	-	-	-		
		NB	0.4	A	0.1	A	1.3	A		
		SB	-	-	0.4	A	1.4	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	2.3	A
		WB	-	-	-	-	2.3	A		
		NB	-	-	0.4	A	-	-		
		SB	-	-	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	10.1	B	-	-	6.3	A	10.1	B
		WB	-	-	-	-	-	-		
		NB	6.1	A	0.7	A	0.2	A		
		SB	0.7	A	1.3	A	0.2	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.2	A	0.8	A	15.2	C
		WB	11.3	B	1.3	A	-	-		
		NB	15.2	C	-	-	5.1	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	23.2	C	34.5	C	3.5	A	16.8	B
		WB	42.1	D	32.8	C	6.6	A		
		NB	46.3	D	6.6	A	1.4	A		
		SB	45.7	D	18.5	B	6.8	A		

Table 3 – Existing Year (2023) Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - Existing PM Peak Hour										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	21.0	C	9.0	A	2.2	A	28.6	D
		WB	28.6	D	15.8	C	1.4	A		
		NB	1.8	A	2.8	A	1.7	A		
		SB	1.2	A	1.1	A	0.3	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	0.0	A	0.0	A	4.5	A
		WB	0.0	A	0.0	A	0.0	A		
		NB	1.1	A	0.3	A	0.7	A		
		SB	4.5	A	2.4	A	1.8	A		
MN-47 & Sunwood Drive	Signal	EB	49.3	D	0.2	A	3.4	A	13.1	B
		WB	59.1	E	72.1	E	0.0	A		
		NB	31.3	C	13.4	B	7.7	A		
		SB	20.1	C	2.9	A	0.0	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	4.6	A	0.0	A	-	-	4.6	A
		WB	-	-	0.0	A	-	-		
		NB	0.3	A	0.5	A	0.0	A		
		SB	-	-	0.5	A	0.1	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	2.4	A
		WB	-	-	-	-	2.4	A		
		NB	-	-	0.4	A	-	-		
		SB	-	-	0.4	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	40.2	E	-	-	2.8	A	40.2	E
		WB	-	-	-	-	-	-		
		NB	-	-	1.3	A	0.0	A		
		SB	7.9	A	0.5	A	-	-		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.4	A	0.3	A	8.4	A
		WB	3.4	A	1.9	A	-	-		
		NB	8.4	A	-	-	3.6	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	58.1	E	26.8	C	1.6	A	20.4	C
		WB	58.3	E	55.6	E	39.3	D		
		NB	40.2	D	9.6	A	2.2	A		
		SB	34.3	C	13.7	B	12.9	B		

Table 3 – Existing Year (2023) Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - Existing Sunday Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	5.2	A	7.2	A	2.5	A	8.5	A
		WB	5.5	A	8.5	A	1.5	A		
		NB	1.4	A	1.2	A	0.1	A		
		SB	-	-	0.8	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.4	A	1.6	A	2.1	A
		WB	1.9	A	1.1	A	0.0	A		
		NB	-	-	-	-	2.1	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	36.6	D	16.1	B	5.6	A	7.1	A
		WB	44.1	D	36.8	D	5.7	A		
		NB	30.1	C	5.7	A	3.2	A		
		SB	31.5	C	2.9	A	0.1	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	4.3	A	0.0	A	2.5	A	4.3	A
		WB	4.2	A	0.0	A	-	-		
		NB	0.4	A	0.6	A	0.1	A		
		SB	-	-	0.4	A	0.6	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	2.6	A
		WB	6.3	A	-	-	2.6	A		
		NB	-	-	0.5	A	-	-		
		SB	-	-	0.3	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	-	-	6.1	A	2.8	A	6.1	A
		WB	4.8	A	5.7	A	2.5	A		
		NB	1.7	A	0.7	A	0.1	A		
		SB	3.2	A	0.6	A	0.1	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.0	A	0.1	A	8.4	A
		WB	4.4	A	1.4	A	-	-		
		NB	8.4	A	-	-	2.6	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	64.2	E	41.1	D	2.0	A	17.3	B
		WB	51.4	D	37.6	D	21.7	C		
		NB	46.7	D	5.2	A	1.4	A		
		SB	68.5	E	14.6	B	3.3	A		

Based on the Existing Year (2023) capacity analysis, the study intersections are anticipated to operate at LOS B or better in the morning and C or better at the evening peak hour. The SimTraffic reports are provided in **Appendix D.** All 95th percentile queues are anticipated to remain within their respective storage bays. All individual movements are anticipated to operate at LOS D or better, except for the following:

During the morning peak hours, the northbound through movement of MN-47 operates at LOS E. This is likely due to the signal timing favoring the southbound through/left movement which sees around four times as much traffic at this time. At the same intersection, the westbound left and through movements are also operating at LOS E in the PM peak hours. Finally, the eastbound left and southbound left intersections operate at LOS E in the Sunday peak, these movements are low volume and are not anticipated to have queuing issues.

All movements at stop-controlled intersections operate at LOS D or better except the eastbound left movement at CSAH 5 & Iodine St which operates at LOS E. Queues for the movement are minimal and delays are expected for minor side street movements along a corridor like CSAH 5.

OPENING YEAR (2027) NO-BUILD CONDITIONS

A capacity analysis was performed for Opening Year (2027) No-Build conditions in order to develop baseline operating conditions for the opening year. The analysis was performed using Synchro/SimTraffic. The three site accesses were modeled with the existing geometry and intersection control. The four study intersections were also modeled with the existing geometry and intersection control. The traffic volumes are provided in **Exhibit 4**. The results of the analysis are provided in **Table 4**.

Table 4 – Opening Year (2027) No-Build Intersection Analysis

Lord of Life SimTraffic Delay Summary - 2027 AM No Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	8.5	A	11.6	B	6.2	A	11.8	B
		WB	11.3	B	11.8	B	2.6	A		
		NB	4.4	A	0.8	A	0.2	A		
		SB	0.7	A	1.3	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	2.3	A	1.5	A	4.4	A
		WB	-	-	1.0	A	0.0	A		
		NB	4.4	A	-	-	2.2	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	46.6	D	50.1	D	7.6	A	8.7	A
		WB	44.2	D	48.4	D	5.4	A		
		NB	38.8	D	5.4	A	3.1	A		
		SB	50.9	D	4.3	A	1.1	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	5.1	A	0.0	A	9.8	A	9.8	A
		WB	3.2	A	-	-	-	-		
		NB	0.6	A	0.0	A	1.3	A		
		SB	-	-	0.4	A	1.5	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	1.4	A
		WB	-	-	-	-	1.4	A		
		NB	-	-	0.3	A	-	-		
		SB	-	-	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	8.9	A	-	-	7.5	A	8.9	A
		WB	-	-	-	-	-	-		
		NB	6.0	A	0.6	A	0.2	A		
		SB	1.8	A	1.3	A	0.2	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.2	A	0.8	A	14.1	B
		WB	8.8	A	1.2	A	-	-		
		NB	14.1	B	-	-	6.0	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	39.0	D	37.0	D	3.6	A	17.1	B
		WB	48.5	D	34.9	C	8.5	A		
		NB	47.3	D	6.0	A	1.6	A		
		SB	44.0	D	18.2	B	6.4	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 4 – Opening Year (2027) No-Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary – 2027 No Build PM Peak Hour										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	20.2	C	20.0	C	6.9	A	20.2	C
		WB	19.5	C	5.6	A	-	-		
		NB	3.5	A	4.3	A	1.3	A		
		SB	3.9	A	1.0	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	2.0	A	1.3	A	2.0	A
		WB	0.0	A	0.0	A	0.0	A		
		NB	-	-	-	-	2.0	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	16.7	B	74.5	E	3.9	A	12.7	B
		WB	66.3	E	0.0	A	3.2	A		
		NB	-	-	13.8	B	6.9	A		
		SB	35.3	D	1.6	A	-	-		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	6.7	A	0.0	A	3.3	A	14.5	B
		WB	14.5	B	0.0	A	-	-		
		NB	0.6	A	1.6	A	-	-		
		SB	0.2	A	0.6	A	-	-		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	0.8	A
		WB	-	-	-	-	-	-		
		NB	-	-	0.8	A	-	-		
		SB	-	-	0.6	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	-	-	-	-	5.0	A	7.0	A
		WB	-	-	-	-	5.5	A		
		NB	-	-	1.7	A	0.8	A		
		SB	7.0	A	0.8	A	-	-		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.8	A	0.3	A	18.7	C
		WB	3.0	A	2.3	A	-	-		
		NB	18.7	C	-	-	3.7	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	59.2	E	42.2	D	2.2	A	21.5	C
		WB	24.6	C	53.4	D	27.1	C		
		NB	40.1	D	11.6	B	2.0	A		
		SB	42.2	D	20.6	C	2.2	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Lord of Life SimTraffic Delay Summary - Sunday 2027 No Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	4.5	A	7.8	A	1.6	A	7.8	A
		WB	6.4	A	6.5	A	1.4	A		
		NB	1.7	A	1.3	A	0.5	A		
		SB	-	-	0.6	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.3	A	1.3	A	2.0	A
		WB	2.0	A	0.9	A	0.0	A		
		NB	-	-	-	-	2.0	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	76.4	E	48.8	D	4.0	A	7.0	A
		WB	36.0	D	57.2	E	3.1	A		
		NB	45.6	D	5.4	A	2.6	A		
		SB	29.3	C	3.7	A	0.8	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	-	-	0.0	A	2.7	A	4.2	A
		WB	4.2	A	0.0	A	-	-		
		NB	0.5	A	0.8	A	0.1	A		
		SB	-	-	0.4	A	0.1	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	5.5	A
		WB	5.5	A	-	-	3.5	A		
		NB	-	-	0.6	A	-	-		
		SB	-	-	0.2	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	-	-	9.8	A	2.5	A	9.8	A
		WB	4.4	A	-	-	-	-		
		NB	1.6	A	0.9	A	0.0	A		
		SB	2.7	A	0.4	A	0.0	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.0	A	0.2	A	4.6	A
		WB	4.1	A	1.9	A	-	-		
		NB	4.6	A	-	-	1.6	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	58.6	E	32.2	C	1.7	A	20.0	B
		WB	55.0	D	43.2	D	11.1	B		
		NB	55.5	E	7.5	A	1.4	A		
		SB	56.4	E	15.1	B	6.0	A		

With the addition of background traffic growth, the study area intersections are projected to experience very little change in delay with the majority of movements and approaches projected to operate at the same LOS as compared to existing conditions. All intersections operate at the same level of service as the existing conditions and no movement has significantly worsened delay.

The SimTraffic reports are provided in **Appendix D.** All 95th percentile queues are anticipated to remain within their respective storage bays.

OPENING YEAR (2027) BUILD CONDITIONS

Opening Year (2027) Build conditions were analyzed to determine any traffic impacts from the addition of the site traffic to the study intersections. The site accesses were modeled as side street stop control. Opening Year (2027) Build turning movement volumes were developed by adding the site trips in **Exhibit 8** to the Opening Year (2027) No-Build turning movement volumes in **Exhibit 4**. The Opening Year (2027) Build turning movement volumes are shown in **Exhibit 8**. The results of the analysis are provided in **Table 5**.

Table 5 – Opening Year (2027) Build Intersection Analysis

Lord of Life SimTraffic Delay Summary - 2027 AM Build Peak Traffic											
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	7.3	A	10.9	B	6.3	A	13.0	B
		WB	12.6	B	13.0	B	2.9	A		
		NB	3.1	A	0.8	A	0.1	A		
		SB	0.5	A	1.3	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	2.2	A	2.0	A	4.6	A
		WB	1.9	A	1.1	A	0.0	A		
		NB	4.6	A	-	-	2.6	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	31.2	C	43.4	D	6.5	A	8.8	A
		WB	44.3	D	44.9	D	8.6	A		
		NB	48.3	D	5.3	A	2.9	A		
		SB	44.1	D	4.5	A	1.4	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	6.4	A	0.0	A	8.1	A	6.4	A
		WB	2.7	A	-	-	-	-		
		NB	0.5	A	0.0	A	1.4	A		
		SB	-	-	0.8	A	1.5	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	10.0	A
		WB	10.0	A	-	-	3.0	A		
		NB	-	-	0.4	A	0.0	A		
		SB	1.0	A	0.8	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	11.6	B	-	-	15.5	C	24.5	C
		WB	24.5	C	-	-	18.2	C		
		NB	9.6	A	0.7	A	0.4	A		
		SB	1.7	A	2.1	A	0.4	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.7	A	1.1	A	25.2	D
		WB	12.6	B	1.2	A	-	-		
		NB	25.2	D	-	-	10.7	B		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	36.8	D	37.7	D	4.0	A	17.6	B
		WB	46.7	D	34.5	C	9.1	A		
		NB	45.8	D	5.9	A	1.2	A		
		SB	46.8	D	18.9	B	7.1	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 5 – Opening Year (2027) Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - 2027 Build PM Peak Hour										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	13.0	B	12.9	B	7.1	A	20.6	C
		WB	20.6	C	12.8	B	2.7	A		
		NB	3.9	A	0.9	A	0.2	A		
		SB	1.3	A	1.8	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	0.9	A	1.3	A	4.6	A
		WB	0.0	A	1.0	A	0.0	A		
		NB	4.6	A	-	-	2.1	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	48.1	D	2.3	A	13.3	B	8.5	A
		WB	49.1	D	63.2	E	10.2	B		
		NB	70.3	E	7.3	A	2.8	A		
		SB	37.2	E	4.1	A	0.6	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	19.2	C	0.0	A	5.0	A	19.2	C
		WB	8.4	A	0.0	A	-	-		
		NB	2.3	A	0.3	A	0.0	A		
		SB	-	-	1.5	A	1.0	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	0.7	A
		WB	-	-	-	-	-	-		
		NB	-	-	0.3	A	-	-		
		SB	0.3	A	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	26.8	D	-	-	18.5	C	26.8	D
		WB	23.8	C	-	-	14.6	B		
		NB	5.2	A	0.6	A	0.3	A		
		SB	2.8	A	1.9	A	0.4	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.6	A	1.1	A	18.5	C
		WB	7.6	A	1.0	A	-	-		
		NB	18.5	C	-	-	8.2	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	51.2	D	41.5	D	3.5	A	21.7	C
		WB	52.8	D	46.0	D	21.1	C		
		NB	45.6	D	7.6	A	1.3	A		
		SB	64.2	E	30.0	C	7.6	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Lord of Life SimTraffic Delay Summary - Sunday 2027 Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	15.5	C	17.0	C	5.8	A	19.2	C
		WB	19.2	C	13.6	B	1.7	A		
		NB	4.3	A	1.1	A	0.2	A		
		SB	1.3	A	1.8	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.1	A	0.3	A	4.1	A
		WB	0.0	A	0.8	A	0.0	A		
		NB	4.1	A	-	-	2.3	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	43.6	D	33.6	C	4.8	A	8.4	A
		WB	40.3	D	41.0	D	10.0	A		
		NB	28.4	C	4.1	A	1.1	A		
		SB	77.1	E	5.6	A	0.6	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	8.1	A	0.0	A	6.2	A	15.3	C
		WB	15.3	C	0.0	A	-	-		
		NB	4.7	A	0.6	A	0.0	A		
		SB	-	-	1.6	A	0.0	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	2.5	A
		WB	-	-	-	-	2.5	A		
		NB	-	-	0.3	A	0.0	A		
		SB	0.3	A	0.8	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	5.5	A	-	-	17.7	C	19.5	C
		WB	19.5	C	-	-	7.6	A		
		NB	8.1	A	0.6	A	0.4	A		
		SB	2.1	A	2.1	A	0.4	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.8	A	1.2	A	25.1	D
		WB	15.8	C	1.1	A	-	-		
		NB	25.1	D	-	-	6.5	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	65.5	E	47.9	D	4.2	A	17.3	B
		WB	45.6	D	39.2	D	4.2	A		
		NB	52.4	D	7.2	A	1.0	A		
		SB	58.1	E	16.1	B	6.4	A		

With the addition of site-generated traffic, the study area intersections are projected to experience very little change in delay with all of the intersections and almost all movements operating at the same level of service. A few of the left turn movements do however operate very close to level of service F which is not ideal but is considered acceptable for low volume movements.

The SimTraffic reports are provided in **Appendix D**.

HORIZON YEAR (2040) NO-BUILD CONDITIONS

A capacity analysis was performed for Horizon Year (2040) No-Build conditions in order to develop baseline operating conditions for the design year. The two site accesses were modeled with the existing geometry and intersection control. The traffic volumes are provided in Exhibit 5. The results of the analysis are provided in **Table 6.**

Table 6 – Horizon Year (2040) No-Build Intersection Analysis

Lord of Life SimTraffic Delay Summary - 2040 AM No Build Peak Traffic											
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	13.6	B	12.3	B	7.6	A	15.4	C
		WB	13.6	B	15.4	C	2.1	A		
		NB	5.0	A	1.2	A	0.2	A		
		SB	0.5	A	1.4	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.8	A	1.9	A	4.2	A
		WB	-	-	1.1	A	0.0	A		
		NB	4.2	A	-	-	2.4	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	44.9	D	38.0	D	7.3	A	8.2	A
		WB	48.9	D	39.6	D	5.2	A		
		NB	59.5	E	5.7	A	3.2	A		
		SB	53.5	D	4.2	A	0.9	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	7.8	A	0.0	A	10.6	B	10.6	B
		WB	4.2	A	-	-	-	-		
		NB	0.6	A	0.0	A	1.5	A		
		SB	-	-	0.4	A	1.7	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	3.1	A
		WB	-	-	-	-	3.1	A		
		NB	-	-	0.4	A	-	-		
		SB	-	-	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	25.0	C	-	-	9.5	A	25.0	C
		WB	-	-	-	-	-	-		
		NB	6.0	A	0.7	A	0.2	A		
		SB	1.7	A	1.5	A	0.3	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.6	A	1.0	A	18.1	C
		WB	13.2	B	1.3	A	-	-		
		NB	18.1	C	-	-	7.4	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	36.9	D	34.9	C	4.0	A	17.7	B
		WB	50.4	D	32.5	C	5.9	A		
		NB	46.1	D	6.4	A	1.6	A		
		SB	47.3	D	19.1	B	6.2	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 6 – Horizon Year (2040) No-Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - 2040 PM No Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	11.4	B	15.8	C	3.8	A	15.8	C
		WB	14.3	B	13.4	B	3.5	A		
		NB	4.3	A	4.4	A	1.3	A		
		SB	2.7	A	1.3	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.2	A	1.1	A	4.1	A
		WB	3.0	A	1.2	A	0.0	A		
		NB	4.1	A	-	-	1.9	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	60.1	E	64.7	E	14.1	B	14.0	B
		WB	58.6	E	57.1	E	15.5	B		
		NB	60.0	E	13.7	B	8.5	A		
		SB	64.9	E	3.8	A	1.0	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	3.9	A	0.0	A	10.7	B	10.7	B
		WB	2.1	A	-	-	-	-		
		NB	1.3	A	0.1	A	3.8	A		
		SB	1.0	A	0.5	A	1.3	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	14.1	B
		WB	14.1	B	-	-	5.4	A		
		NB	-	-	0.9	A	-	-		
		SB	-	-	0.6	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	12.5	B	-	-	3.5	A	15.4	C
		WB	15.4	C	-	-	10.6	B		
		NB	-	-	1.8	A	0.3	A		
		SB	5.5	A	0.8	A	0.2	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.8	A	0.2	A	17.0	C
		WB	7.0	A	3.0	A	-	-		
		NB	17.0	C	-	-	5.5	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	55.2	E	37.3	D	2.5	A	22.7	C
		WB	46.4	D	45.2	D	29.6	C		
		NB	50.9	D	11.9	B	2.3	A		
		SB	50.9	D	20.8	C	5.3	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Lord of Life SimTraffic Delay Summary - 2040 SUN No Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	5.4	A	7.8	A	2.2	A	7.8	A
		WB	5.7	A	7.9	A	2.4	A		
		NB	1.2	A	1.2	A	0.2	A		
		SB	-	-	0.7	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.2	A	1.5	A	2.5	A
		WB	2.5	A	0.7	A	0.0	A		
		NB	2.1	A	-	-	1.6	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	37.4	D	29.8	C	6.3	A	6.5	A
		WB	39.7	D	31.1	C	2.0	A		
		NB	43.7	D	5.2	A	3.4	A		
		SB	39.3	D	3.2	A	0.5	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	2.8	A	0.0	A	6.0	A	6.0	A
		WB	1.2	A	-	-	-	-		
		NB	0.6	A	0.1	A	0.5	A		
		SB	-	-	0.3	A	0.7	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	5.8	A
		WB	5.8	A	-	-	3.2	A		
		NB	-	-	0.4	A	-	-		
		SB	-	-	0.3	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	8.8	A	3.3	A	2.9	A	15.3	C
		WB	6.8	A	15.3	C	2.3	A		
		NB	2.1	A	0.7	A	0.1	A		
		SB	1.7	A	0.5	A	0.1	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.0	A	0.2	A	6.5	A
		WB	4.3	A	1.5	A	-	-		
		NB	6.5	A	-	-	2.2	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	46.8	D	42.2	D	2.0	A	17.6	B
		WB	55.5	E	45.7	D	11.9	B		
		NB	50.6	D	5.7	A	1.3	A		
		SB	62.0	E	13.1	B	4.9	A		

With additional background traffic growth, the study area intersections are projected to experience some change in delay, with some of movements and approaches projected to operate at a lower LOS as compared to the Opening Year (2027) No-Build Conditions. The network is expected to need new signal timings in order to operate at an acceptable level of service. Specifically, the stoplight at MN-47 & Sunwood Drive may need protected left turn phases in order for the left turn movements to operate at a LOS of D or better.

The SimTraffic reports are provided in **Appendix D**.

HORIZON YEAR (2040) BUILD CONDITIONS

The Horizon Year (2040) Build traffic volumes were developed from the addition of the Horizon Year (2040) No-Build volumes in Exhibit 5 and the Site Trips in Exhibit 7. **Exhibit 9** shows the Horizon Year (2040) Build turning movement volumes. The site accesses were modeled as side street stop control. The results of the analysis are provided in **Table 7**.

Table 7 – Horizon Year (2040) Build Intersection Analysis

Lord of Life SimTraffic Delay Summary - AM 2040 Build Peak Traffic											
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	15.5	C	11.7	B	6.4	A	15.5	C
		WB	10.4	B	11.3	B	2.8	A		
		NB	4.2	A	1.1	A	0.2	A		
		SB	0.3	A	1.5	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.7	A	2.0	A	4.4	A
		WB	2.7	A	0.7	A	0.0	A		
		NB	4.4	A	-	-	2.4	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	49.0	D	40.7	D	4.5	A	8.3	A
		WB	39.9	D	37.0	D	2.3	A		
		NB	39.3	D	4.4	A	2.7	A		
		SB	65.7	E	5.3	A	0.9	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	60.2	F	0.0	A	5.9	A	60.2	F
		WB	9.9	A	0.0	A	-	-		
		NB	6.2	A	1.2	A	0.0	A		
		SB	-	-	1.4	A	0.5	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	10.0	A
		WB	10.0	A	-	-	2.3	A		
		NB	-	-	0.4	A	0.0	A		
		SB	-	-	0.8	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	12.7	B	-	-	30.8	D	31.5	D
		WB	31.5	D	-	-	8.4	A		
		NB	6.8	A	0.8	A	0.3	A		
		SB	1.7	A	2.1	A	0.7	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	3.1	A	1.1	A	35.7	E
		WB	15.3	C	1.3	A	-	-		
		NB	35.7	E	-	-	16.2	C		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	36.4	D	32.3	C	4.7	A	19.6	B
		WB	41.4	D	35.4	D	14.2	B		
		NB	62.9	E	6.3	A	2.2	A		
		SB	53.1	D	21.1	C	8.1	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 7 – Design Year (2040) Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - SUN 2040 Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	4.7	A	9.2	A	2.7	A	7.5	A
		WB	7.5	A	6.1	A	1.8	A		
		NB	1.5	A	1.3	A	0.4	A		
		SB	-	-	0.7	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.3	A	0.9	A	2.3	A
		WB	2.1	A	0.7	A	0.0	A		
		NB	-	-	-	-	2.3	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	38.1	D	27.7	C	4.8	A	6.9	A
		WB	41.8	D	70.0	E	8.7	A		
		NB	38.3	D	5.9	A	3.8	A		
		SB	65.5	E	3.0	A	0.6	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	2.9	A	0.0	A	6.9	A	6.9	A
		WB	1.1	A	-	-	-	-		
		NB	0.8	A	0.1	A	0.5	A		
		SB	-	-	0.2	A	0.7	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	5.7	A
		WB	5.7	A	-	-	3.2	A		
		NB	-	-	0.7	A	0.1	A		
		SB	2.6	A	0.4	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	-	-	11.1	B	3.6	A	11.1	B
		WB	7.9	A	6.0	A	3.3	A		
		NB	2.3	A	1.0	A	0.5	A		
		SB	1.3	A	0.8	A	1.7	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.4	A	0.3	A	7.0	A
		WB	5.3	A	1.3	A	-	-		
		NB	7.0	A	-	-	3.0	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	55.4	E	34.0	C	2.1	A	19.3	B
		WB	52.4	D	50.0	D	14.7	B		
		NB	47.2	D	6.8	A	1.2	A		
		SB	61.7	E	16.3	B	5.4	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 7 – Design Year (2040) Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - PM 2040 Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	18.4	C	14.1	B	3.1	A	19.3	C
		WB	19.3	C	17.1	C	3.9	A		
		NB	5.0	A	5.5	A	1.6	A		
		SB	1.0	A	1.1	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.4	A	0.5	A	2.9	A
		WB	2.6	A	1.2	A	0.0	A		
		NB	-	-	-	-	2.9	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	67.0	E	57.6	E	7.6	A	14.7	B
		WB	59.4	E	59.9	E	10.5	B		
		NB	76.1	E	13.0	B	7.1	A		
		SB	62.4	E	5.2	A	0.4	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	17.5	C	0.0	A	3.0	A	17.5	C
		WB	11.3	B	0.0	A	-	-		
		NB	2.1	A	1.2	A	0.4	A		
		SB	1.5	A	0.8	A	0.1	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	14.1	B
		WB	14.1	B	-	-	3.6	A		
		NB	-	-	1.1	A	0.7	A		
		SB	3.8	A	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	13.5	B	-	-	5.1	A	18.5	C
		WB	18.5	C	-	-	6.5	A		
		NB	0.2	A	2.1	A	0.7	A		
		SB	6.9	A	1.1	A	0.0	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.1	A	0.6	A	20.4	C
		WB	8.2	A	3.1	A	-	-		
		NB	20.4	C	-	-	5.3	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	70.1	E	38.3	D	2.7	A	25.0	C
		WB	51.2	D	48.0	D	29.7	C		
		NB	50.7	D	11.8	B	2.5	A		
		SB	51.6	D	26.6	C	6.6	A		

With additional site traffic and background traffic growth, the study area intersections are projected to experience some change in delay, with some of movements and approaches projected to operate at a lower LOS as compared to Opening Year (2027) Build Conditions. The network is not expected to need significant mitigations along the corridor in order to operate at acceptable levels. Some minor changes at

the two signal-controlled intersections might be necessary, especially regarding timing. The signal timings were optimized when the 2040 builds were run but the phasing and cycle length were unchanged.

The LOS of the intersections is the same as in the 2040 no build scenario and the delays saw only a slight increase at most intersections as a result of the build. The LOS of the EBL and WBL turning movements worsened as a result of the project, both from LOS D to LOS E. The stoplight may need a protected left phase at the PM peak hour for these movements similar to what the NBL and SBL movements already have.

The project could also exacerbate the aforementioned issue with the left turns at the MN-47 & Sunwood Dr intersection, since these movements show higher delays and in some cases LOS when compared to the 2040 No Build Scenario.

The SimTraffic reports are provided in **Appendix D**.

TURN LANE WARRANTS AT NORTH SITE ACCESS

While the operations at the north site access are acceptable in all analysis scenarios, turn lane warrants were analyzed for the intersection in the build condition as the access is proposed to be converted from an exit only to full access. The necessity of southbound left turn lane and northbound right turn lane at CSAH 5 and the north site access was analyzed using NCHRP Report 457 – Evaluating Intersection Improvements: An Engineering Study Guide. CSAH 5 has a posted speed limit of 50 mph

The guidelines from NCHRP Report 457 recommend that if the plotted volumes are to the right of the curves for the speed of the major road listed, a right turn lane be considered. The PM Peak hour is the highest of the three peak hours in terms of volumes at the intersection. **Table 8** summarizes the results from Figure 2-6 from NCHRP Report 457. A northbound right turn lane is not warranted in 2027 or 2040.

Table 8 – Right-Turn Lane Warrants

Condition	Major Road Volume (veh/h)	Right Turn Volume (veh/h)	Limiting Right Turn Volume (veh/h)	Right Turn Warranted yes/no?
2027 – PM Peak Hour	442	5	28	No
2040 – PM Peak Hour	496	5	25	No

The guidelines from NCHRP Report 457 recommend that if the plotted volumes are to the right of the curves for the speed of the major road listed, a left turn lane be considered. The PM Peak hour is the highest of the three peak hours in terms of volumes at the intersection **Table 9** summarizes the results from Figure 2-5 from NCHRP Report 457. A southbound left turn lane is not warranted in 2027 or 2040.

Table 9 – Left-Turn Lane Warrants

Year of Build Condition	85th Percentile Speed (mph)	Percent Left in Advancing Volume	Advancing Volume (veh/h)	Opposing Volume (veh/h)	Left Turn Warranted yes/no?
2027	50	1	464	442	No
2040	50	1	520	496	No

CONCLUSIONS AND RECOMMENDATIONS

Presbyterian Homes is proposing a residential development consisting of 303 total Multifamily Housing Units, 173 units of Senior Adult Multifamily Housing building, and 22 Senior Single-family housing units. For a total of 498 housing units on site. The development is located on the block northwest of MN-47 (St Francis Blvd) & CSAH 5 (Nowthen Blvd) which is the area around the Lord of Life Church. The church will remain on site. The site is anticipated to generate 153 new trips during the AM peak hour (40 entering, 113 exiting), 168 new trips during the PM peak hour (100 entering, 68 exiting), and 161 new trips in the Sunday peak hour (86 entering, 75 exiting).

The site will include three (3) accesses. The northern access will be via Cobalt St to the north. The north access along CSAH 5 which leads to the north of the parking lot for the residential and church. The third access is across from Iodine St on CSAH 5, this access is expected to be the busiest of the three. The two accesses on CSAH 5 are in the same locations as the existing accesses and the Cobalt St access would be an extension of the current dead-end road.

A capacity analysis was performed for Existing Year (2023), Opening Year (2027) No-Build, Opening Year (2027) Build, Horizon Year (2040) No-Build, and Horizon Year (2040) Build. In all scenarios, the study intersections are anticipated to operate at LOS D or better in the weekday AM and PM peak hours as well as the Sunday peak hours. Analysis showed that the build conditions have minimal impacts on the LOS at the study area intersections. It is anticipated that all intersections will operate at acceptable LOS in the build conditions. There are some longer delays (LOS E/F) for minor side street movements at intersections along CSAH 5, however there is minimal queuing and anticipated delays are not uncommon on a higher volume corridor like CSAH 5.

No changes to the road geometry are necessary based on the operational analysis results with the addition of development traffic. Side-street stop control is adequate at the site accesses.

APPENDIX

A. Exhibits

B. Turning Movement Counts

C. Site Layout Exhibit

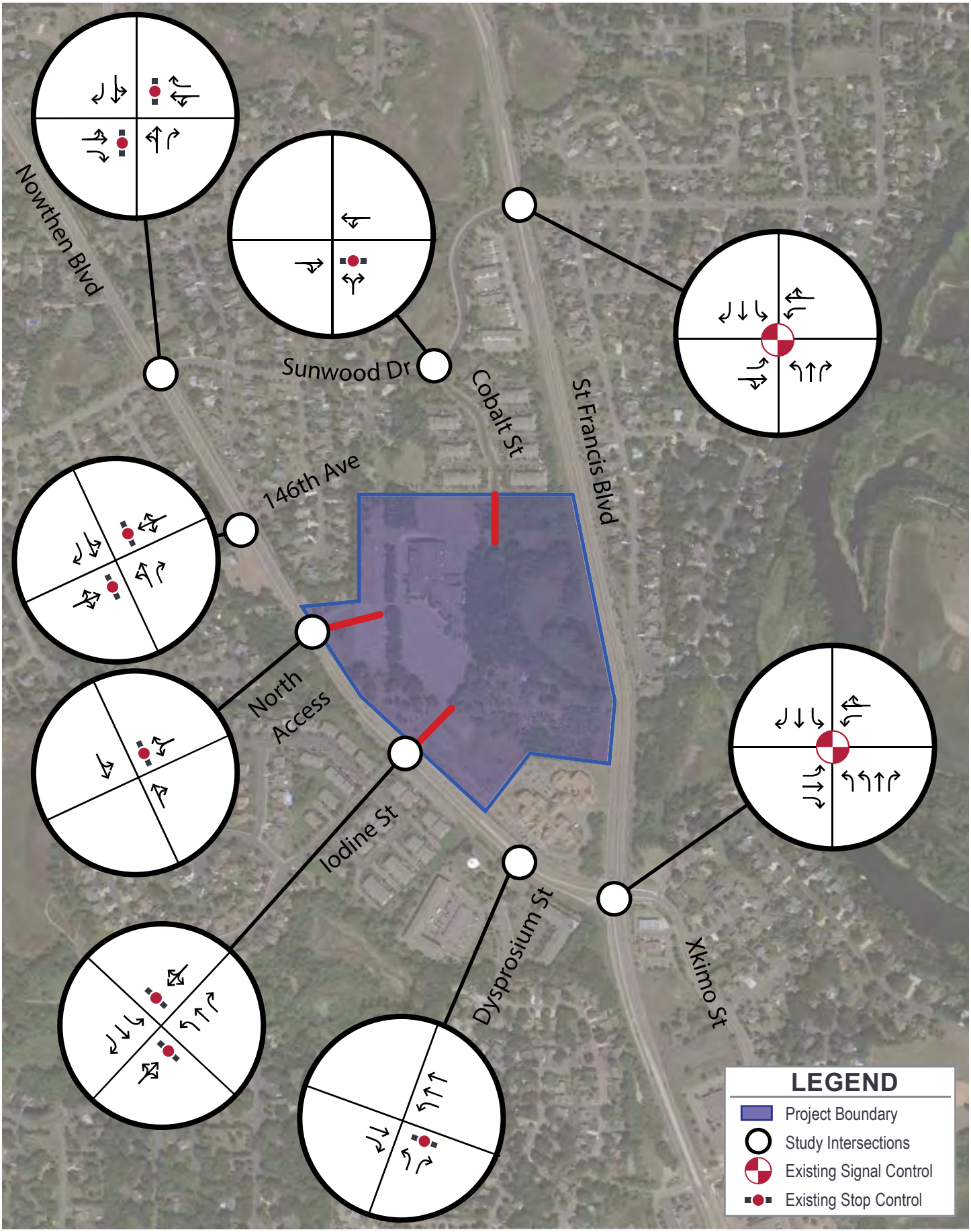
D. SimTraffic Analysis Results

A. Exhibits

Kimley»Horn

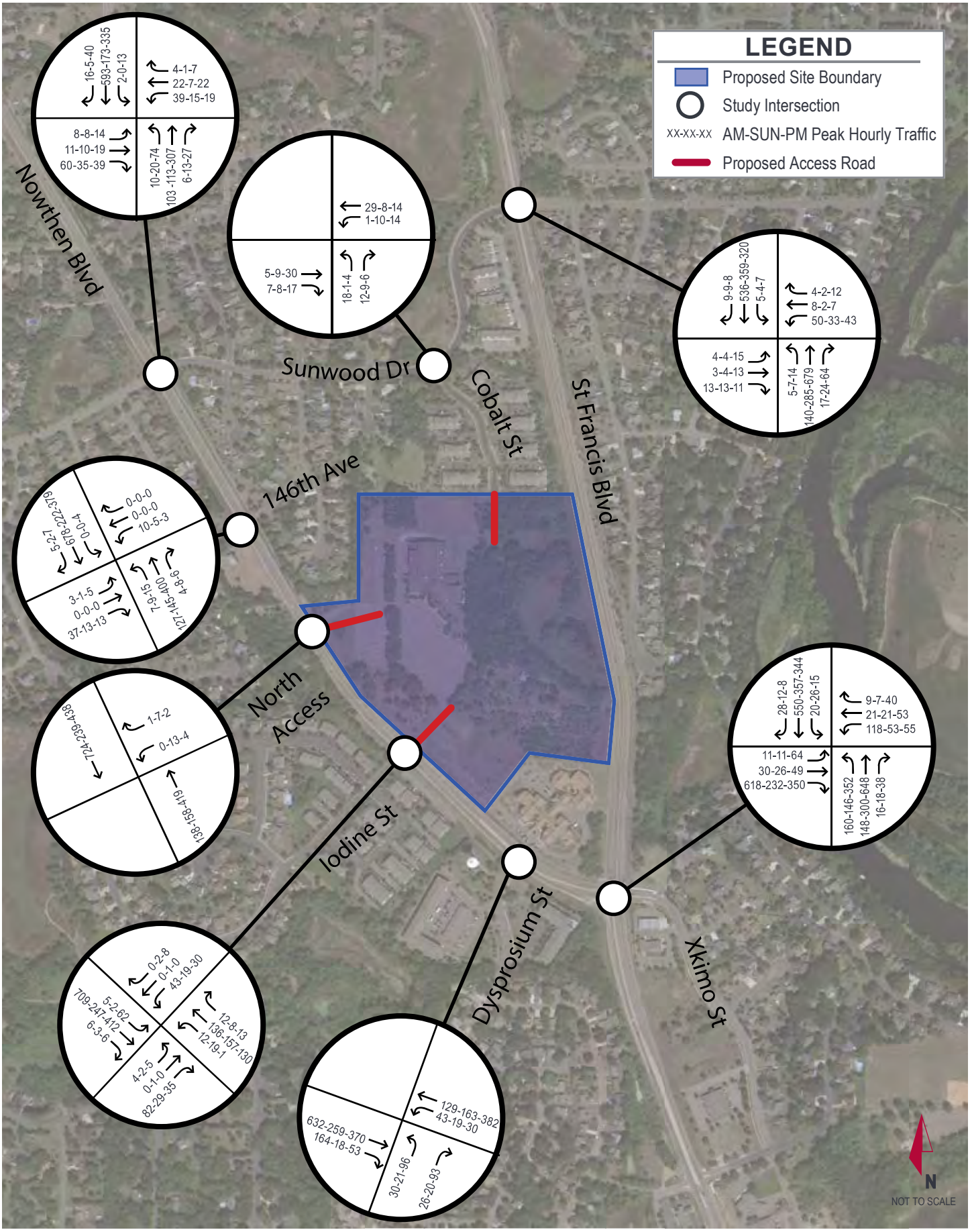
EXHIBIT 1

PROJECT LOCATION MAP



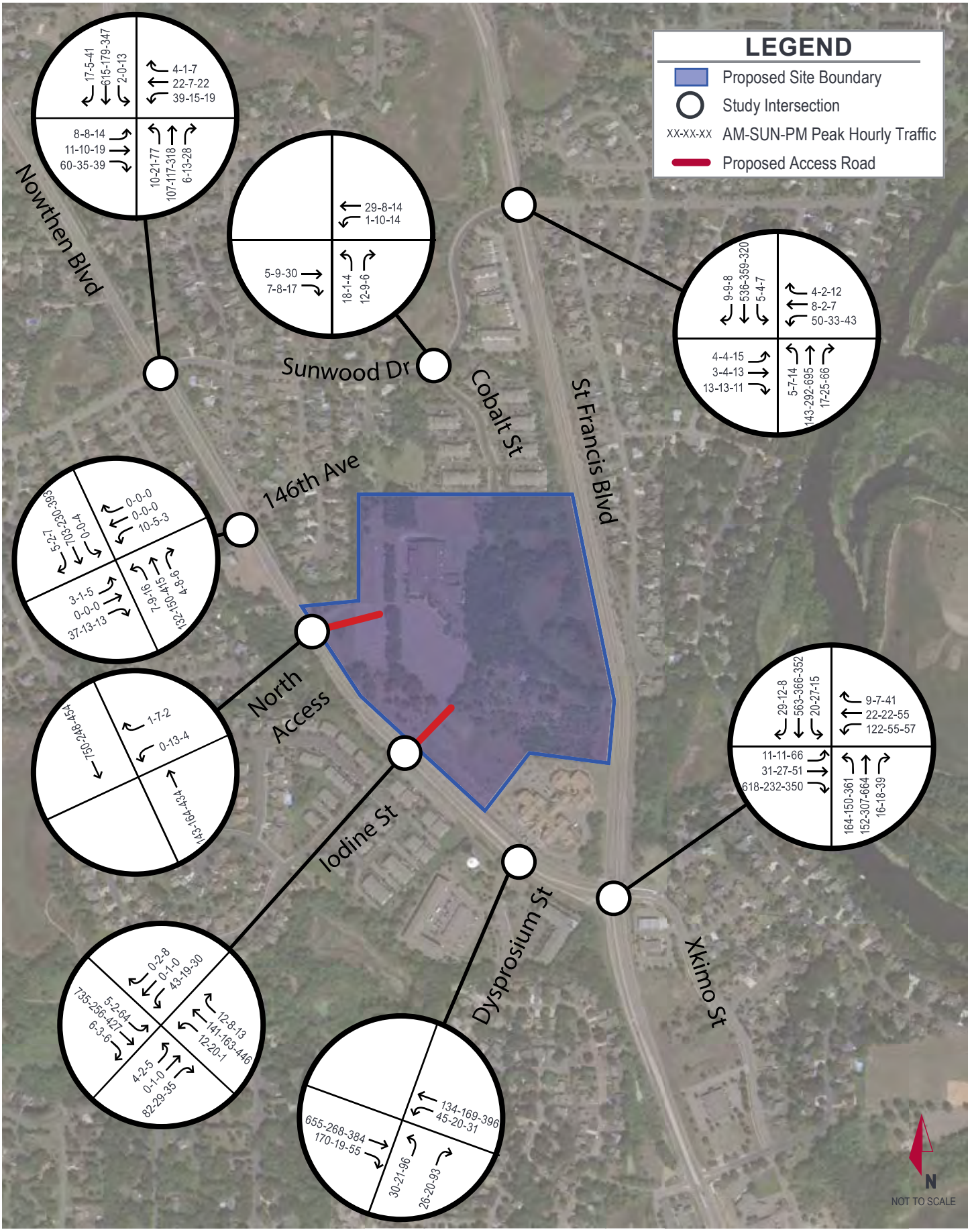
Kimley»Horn

EXHIBIT 2
EXISTING GEOMETRY AND INTERSECTION CONTROL



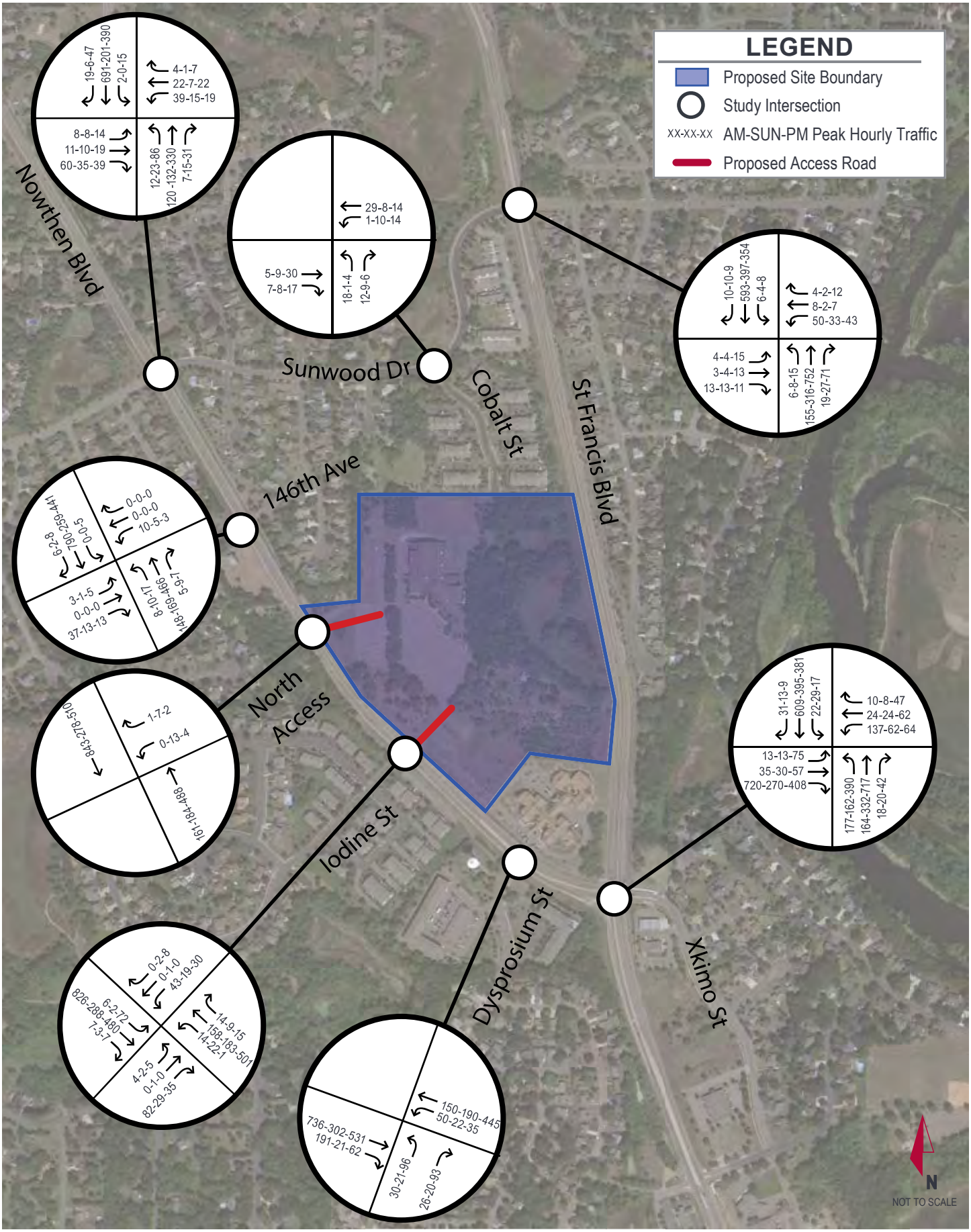
Kimley»Horn

EXHIBIT 3
EXISTING TRAFFIC VOLUMES



Kimley»Horn

EXHIBIT 4
NO BUILD SCENARIO 2027
TRAFFIC VOLUMES



Kimley»Horn

EXHIBIT 5

NO BUILD SCENARIO 2040

TRAFFIC VOLUMES

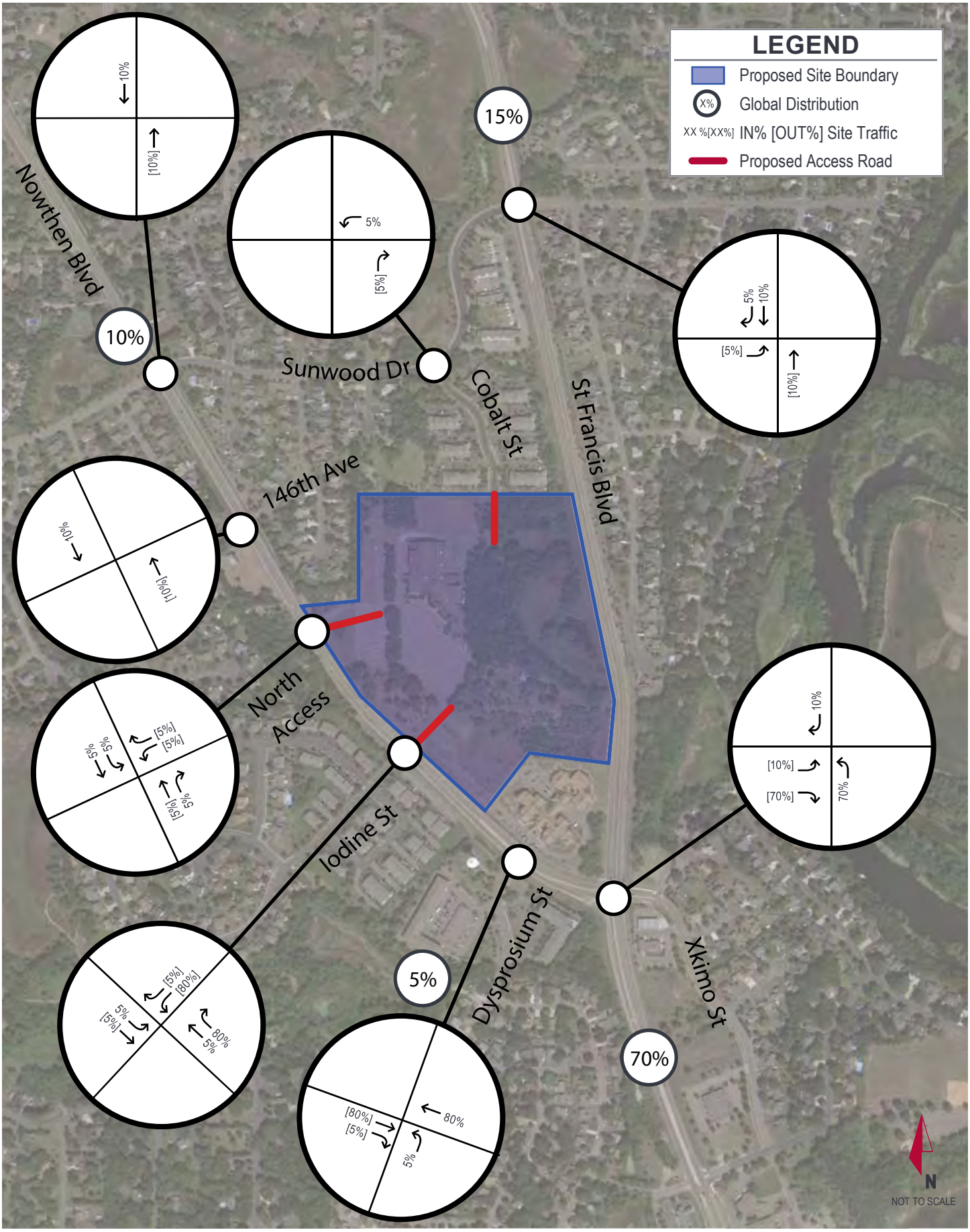
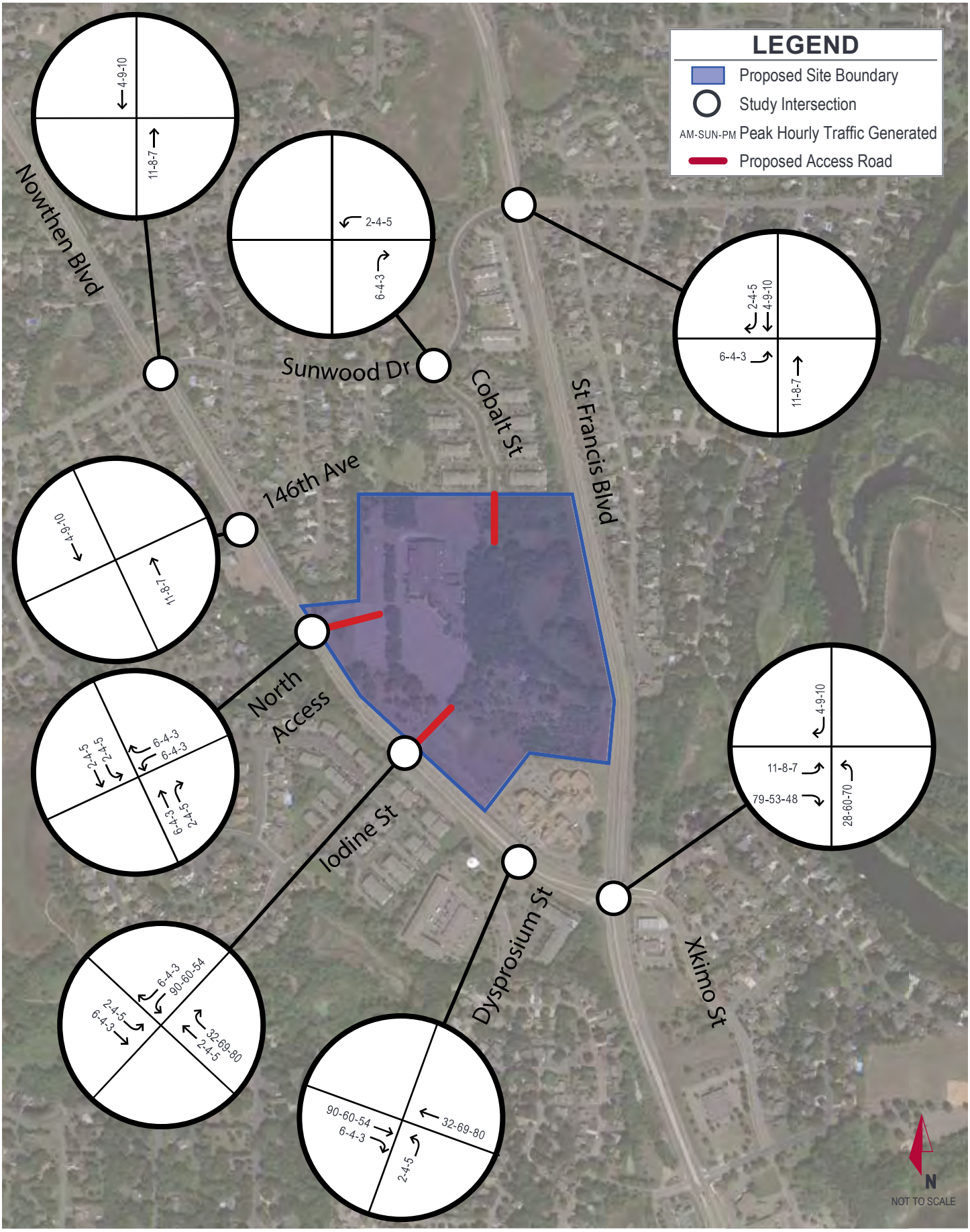


EXHIBIT 6

PROJECT TRIP DISTRIBUTION

Kimley»Horn



Kimley»Horn

EXHIBIT 7

TOTAL SITE GENERATED TRIPS

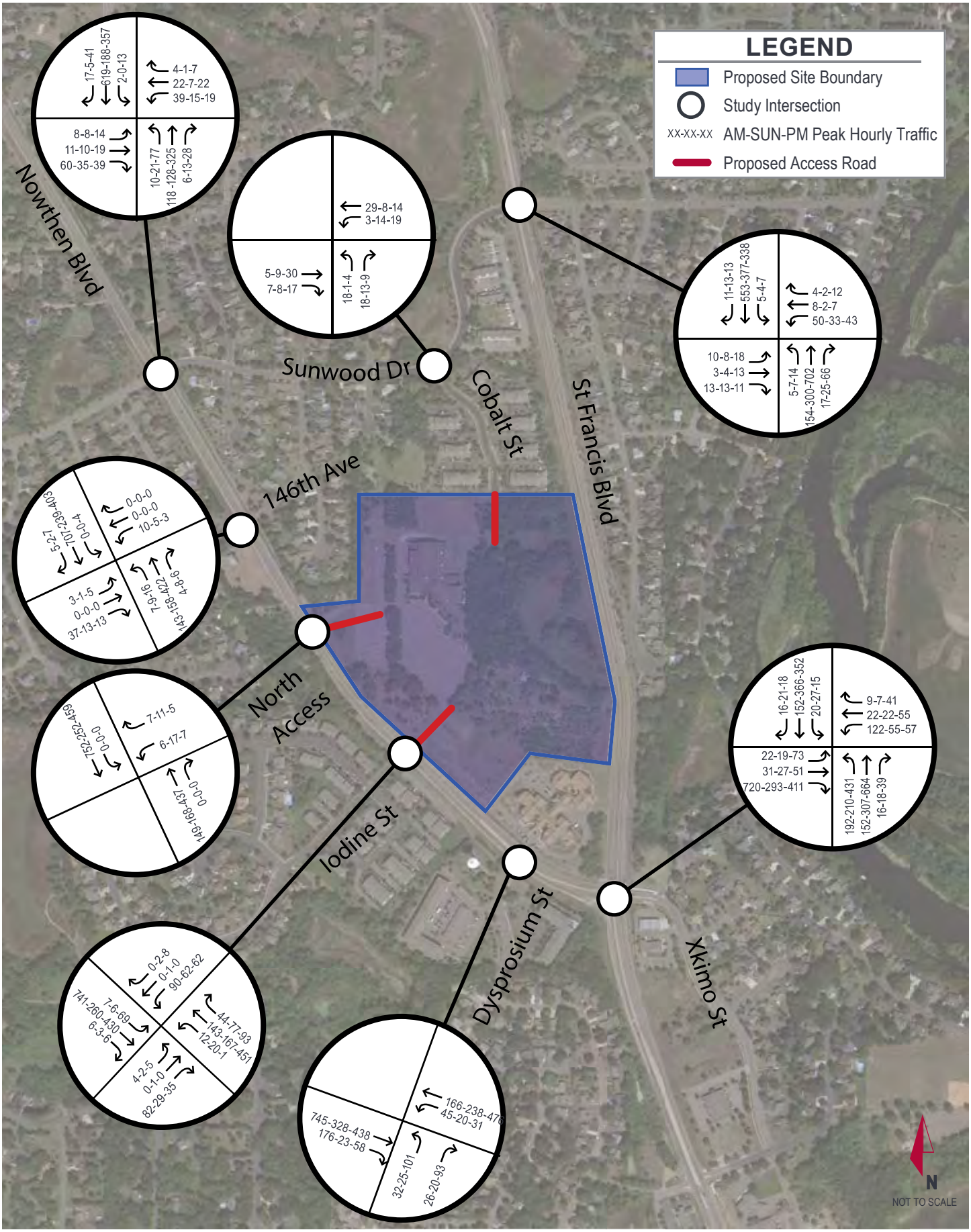


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EXHIBIT 8
BUILD SCENARIO 2027
TRAFFIC VOLUMES

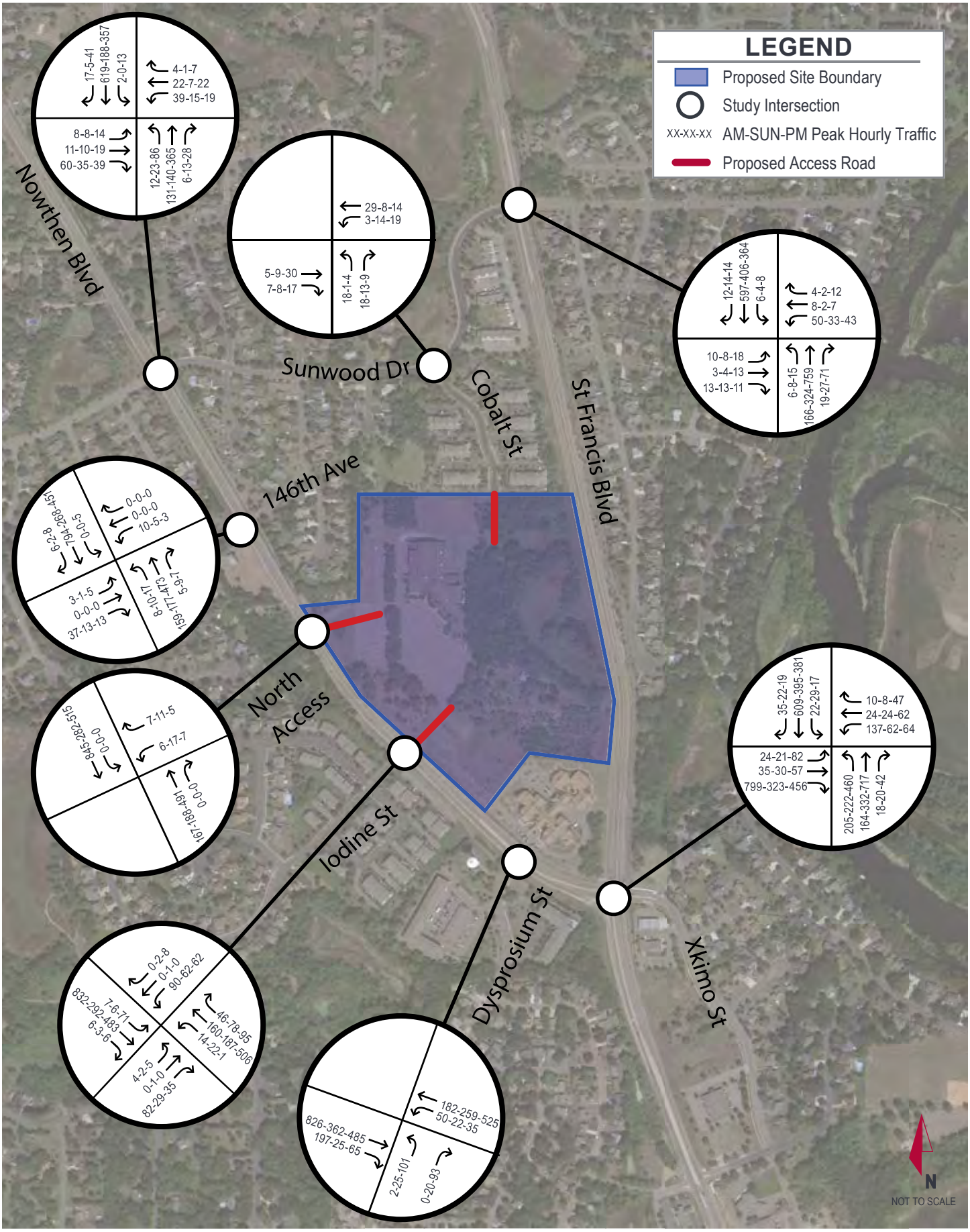

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EXHIBIT 9
BUILD SCENARIO 2040 TRAFFIC VOLUMES

B. Turning Movement Counts

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

Turning Movement Data

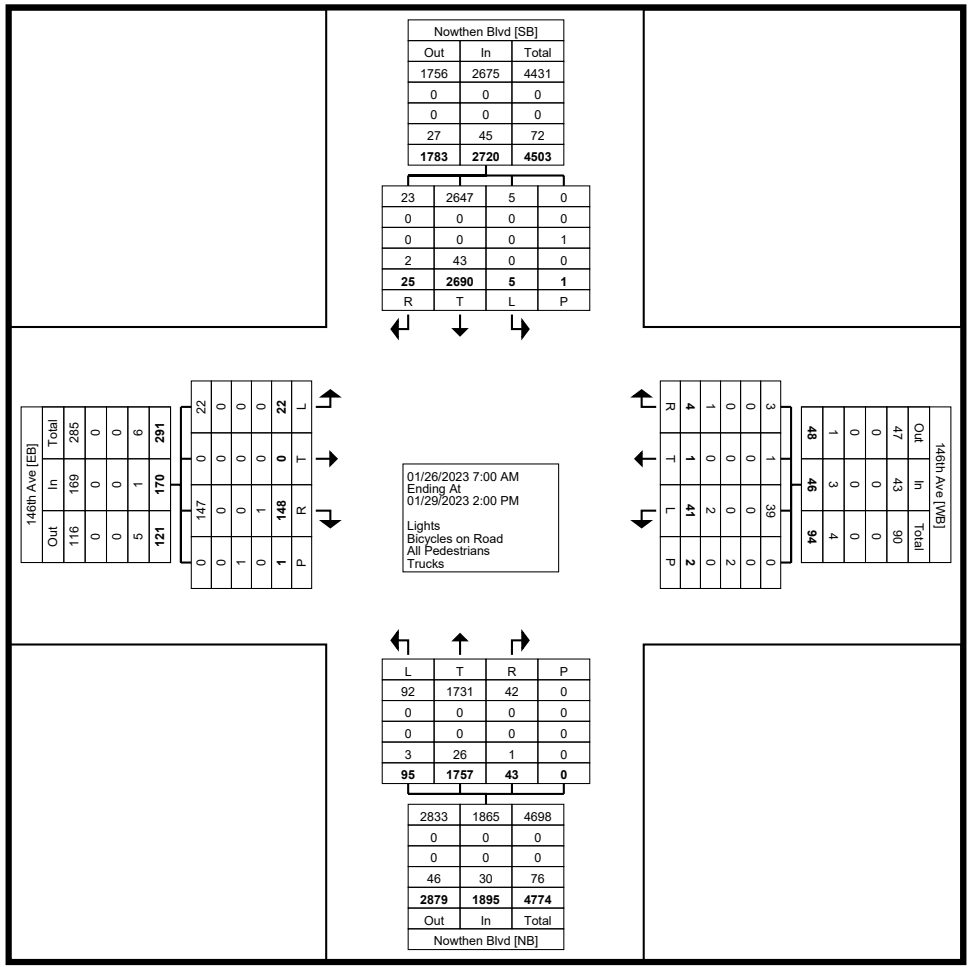
Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	1	0	9	0	10	4	0	0	0	4	1	14	0	0	15	0	212	2	0	214	243
7:15 AM	1	0	15	0	16	3	0	0	0	3	1	32	1	0	34	0	190	1	0	191	244
7:30 AM	1	0	6	0	7	2	0	0	0	2	4	45	2	0	51	0	142	2	0	144	204
7:45 AM	0	0	7	0	7	1	0	0	0	1	1	36	1	0	38	0	134	0	0	134	180
Hourly Total	3	0	37	0	40	10	0	0	0	10	7	127	4	0	138	0	678	5	0	683	871
8:00 AM	0	0	8	0	8	2	0	0	0	2	0	55	0	0	55	0	103	0	0	103	168
8:15 AM	2	0	4	0	6	2	0	0	0	2	0	49	2	0	51	0	97	1	0	98	157
8:30 AM	2	0	2	0	4	2	0	0	0	2	2	34	1	0	37	0	87	0	0	87	130
8:45 AM	0	0	3	0	3	2	0	0	1	2	1	38	0	0	39	0	91	1	0	92	136
Hourly Total	4	0	17	0	21	8	0	0	1	8	3	176	3	0	182	0	378	2	0	380	591
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
4:00 PM	1	0	7	0	8	1	0	0	0	1	1	82	1	0	84	3	119	4	0	126	219
4:15 PM	2	0	2	0	4	0	0	0	0	0	7	101	3	0	111	0	88	2	0	90	205
4:30 PM	2	0	3	0	5	1	0	0	1	1	1	121	2	0	124	1	74	1	0	76	206
4:45 PM	0	0	1	0	1	1	0	0	0	1	6	96	0	0	102	0	98	0	0	98	202
Hourly Total	5	0	13	0	18	3	0	0	1	3	15	400	6	0	421	4	379	7	0	390	832
5:00 PM	1	0	4	1	5	1	0	0	0	1	6	115	2	0	123	0	87	2	1	89	218
5:15 PM	0	0	5	0	5	1	0	2	0	3	7	87	1	0	95	0	93	1	0	94	197
5:30 PM	0	0	4	0	4	2	0	0	0	2	4	81	3	0	88	0	78	1	0	79	173
5:45 PM	2	0	4	0	6	1	0	0	0	1	9	113	0	0	122	0	64	0	0	64	193
Hourly Total	3	0	17	1	20	5	0	2	0	7	26	396	6	0	428	0	322	4	1	326	781
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	0	7	0	7	2	0	0	0	2	2	27	1	0	30	0	53	0	0	53	92
10:15 AM	1	0	4	0	5	3	0	0	0	3	1	32	0	0	33	0	76	1	0	77	118
10:30 AM	0	0	5	0	5	0	0	0	0	0	1	28	0	0	29	0	64	0	0	64	98
10:45 AM	1	0	4	0	5	0	0	0	0	0	1	28	1	0	30	0	70	0	0	70	105
Hourly Total	2	0	20	0	22	5	0	0	0	5	5	115	2	0	122	0	263	1	0	264	413
11:00 AM	0	0	1	0	1	2	0	0	0	2	3	26	1	0	30	0	39	0	0	39	72
11:15 AM	0	0	5	0	5	0	0	0	0	0	3	37	2	0	42	0	49	1	0	50	97
11:30 AM	1	0	4	0	5	0	0	0	0	0	0	42	4	0	46	0	55	1	0	56	107
11:45 AM	0	0	3	0	3	3	0	0	0	3	3	40	1	0	44	0	79	0	0	79	129
Hourly Total	1	0	13	0	14	5	0	0	0	5	9	145	8	0	162	0	222	2	0	224	405

12:00 PM	1	0	4	0	5	0	0	0	0	0	5	44	0	0	49	0	53	0	0	53	107
12:15 PM	0	0	4	0	4	0	0	0	0	0	4	45	1	0	50	0	74	1	0	75	129
12:30 PM	1	0	4	0	5	0	0	0	0	0	6	53	2	0	61	0	60	1	0	61	127
12:45 PM	0	0	2	0	2	2	0	0	0	2	3	54	1	0	58	0	46	0	0	46	108
Hourly Total	2	0	14	0	16	2	0	0	0	2	18	196	4	0	218	0	233	2	0	235	471
1:00 PM	0	0	7	0	7	0	0	0	0	0	3	31	1	0	35	0	48	0	0	48	90
1:15 PM	0	0	3	0	3	1	0	1	0	2	3	60	3	0	66	0	71	1	0	72	143
1:30 PM	2	0	3	0	5	1	0	1	0	2	1	61	6	0	68	1	47	1	0	49	124
1:45 PM	0	0	4	0	4	1	1	0	0	2	5	49	0	0	54	0	49	0	0	49	109
Hourly Total	2	0	17	0	19	3	1	2	0	6	12	201	10	0	223	1	215	2	0	218	466
Grand Total	22	0	148	1	170	41	1	4	2	46	95	1757	43	0	1895	5	2690	25	1	2720	4831
Approach %	12.9	0.0	87.1	-	-	89.1	2.2	8.7	-	-	5.0	92.7	2.3	-	-	0.2	98.9	0.9	-	-	-
Total %	0.5	0.0	3.1	-	3.5	0.8	0.0	0.1	-	1.0	2.0	36.4	0.9	-	39.2	0.1	55.7	0.5	-	56.3	-
Lights	22	0	147	-	169	39	1	3	-	43	92	1731	42	-	1865	5	2647	23	-	2675	4752
% Lights	100.0	-	99.3	-	99.4	95.1	100.0	75.0	-	93.5	96.8	98.5	97.7	-	98.4	100.0	98.4	92.0	-	98.3	98.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	1	-	-	-	-	2	-	-	-	-	0	-	-	-	-	1	-	-
% All Pedestrians	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	100.0	-	-
Trucks	0	0	1	-	1	2	0	1	-	3	3	26	1	-	30	0	43	2	-	45	79
% Trucks	0.0	-	0.7	-	0.6	4.9	0.0	25.0	-	6.5	3.2	1.5	2.3	-	1.6	0.0	1.6	8.0	-	1.7	1.6

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (7:00 AM)

Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	1	0	9	0	10	4	0	0	0	4	1	14	0	0	15	0	212	2	0	214	243
7:15 AM	1	0	15	0	16	3	0	0	0	3	1	32	1	0	34	0	190	1	0	191	244
7:30 AM	1	0	6	0	7	2	0	0	0	2	4	45	2	0	51	0	142	2	0	144	204
7:45 AM	0	0	7	0	7	1	0	0	0	1	1	36	1	0	38	0	134	0	0	134	180
Total	3	0	37	0	40	10	0	0	0	10	7	127	4	0	138	0	678	5	0	683	871
Approach %	7.5	0.0	92.5	-	-	100.0	0.0	0.0	-	-	5.1	92.0	2.9	-	-	0.0	99.3	0.7	-	-	-
Total %	0.3	0.0	4.2	-	4.6	1.1	0.0	0.0	-	1.1	0.8	14.6	0.5	-	15.8	0.0	77.8	0.6	-	78.4	-
PHF	0.750	0.000	0.617	-	0.625	0.625	0.000	0.000	-	0.625	0.438	0.706	0.500	-	0.676	0.000	0.800	0.625	-	0.798	0.892
Lights	3	0	37	-	40	10	0	0	-	10	4	118	4	-	126	0	664	4	-	668	844
% Lights	100.0	-	100.0	-	100.0	100.0	-	-	-	100.0	57.1	92.9	100.0	-	91.3	-	97.9	80.0	-	97.8	96.9
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	3	9	0	-	12	0	14	1	-	15	27
% Trucks	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	42.9	7.1	0.0	-	8.7	-	2.1	20.0	-	2.2	3.1

Kimley-Horn and Associates, Inc.
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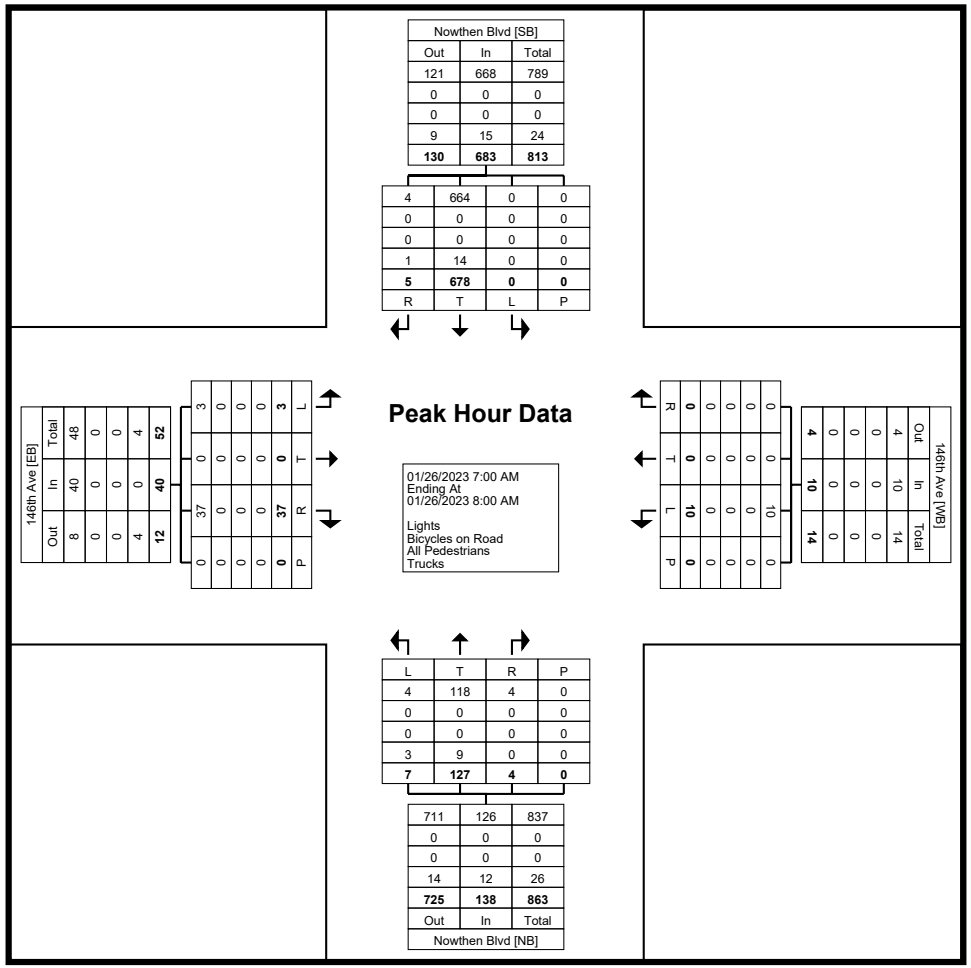
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

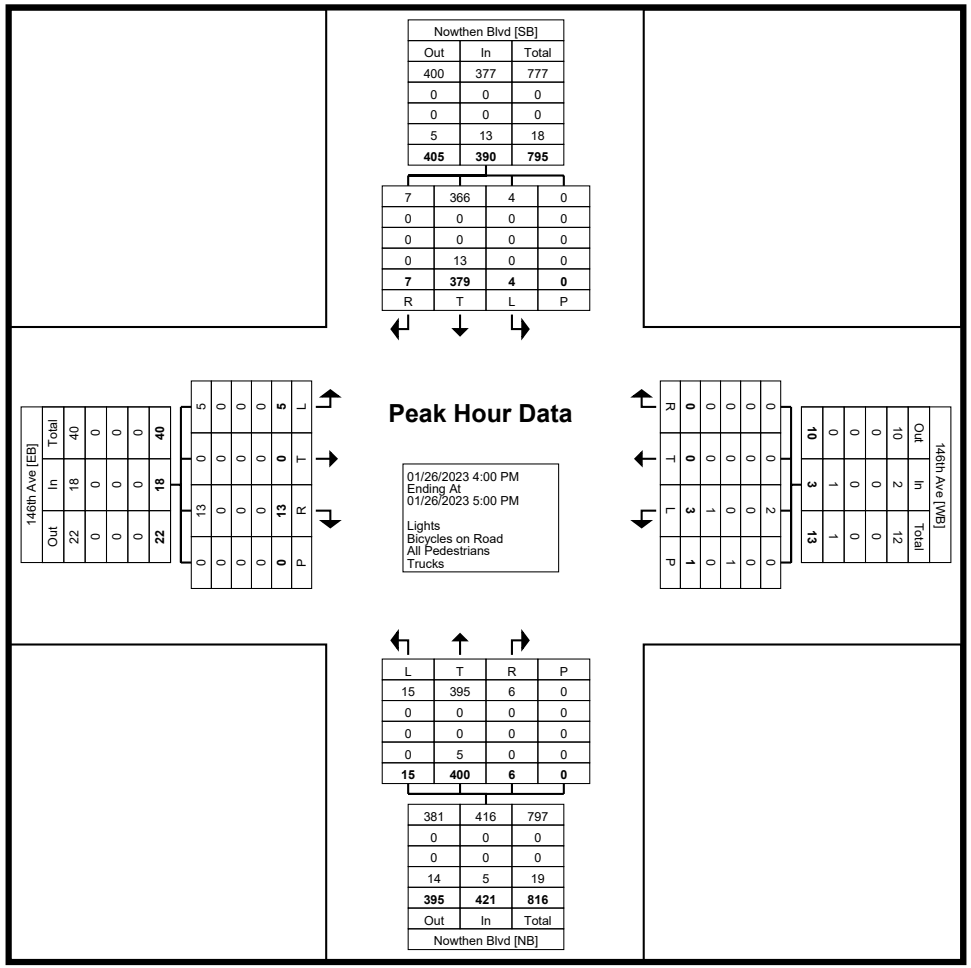
Turning Movement Peak Hour Data (4:00 PM)

Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	1	0	7	0	8	1	0	0	0	1	1	82	1	0	84	3	119	4	0	126	219
4:15 PM	2	0	2	0	4	0	0	0	0	0	7	101	3	0	111	0	88	2	0	90	205
4:30 PM	2	0	3	0	5	1	0	0	1	1	1	121	2	0	124	1	74	1	0	76	206
4:45 PM	0	0	1	0	1	1	0	0	0	1	6	96	0	0	102	0	98	0	0	98	202
Total	5	0	13	0	18	3	0	0	1	3	15	400	6	0	421	4	379	7	0	390	832
Approach %	27.8	0.0	72.2	-	-	100.0	0.0	0.0	-	-	3.6	95.0	1.4	-	-	1.0	97.2	1.8	-	-	-
Total %	0.6	0.0	1.6	-	2.2	0.4	0.0	0.0	-	0.4	1.8	48.1	0.7	-	50.6	0.5	45.6	0.8	-	46.9	-
PHF	0.625	0.000	0.464	-	0.563	0.750	0.000	0.000	-	0.750	0.536	0.826	0.500	-	0.849	0.333	0.796	0.438	-	0.774	0.950
Lights	5	0	13	-	18	2	0	0	-	2	15	395	6	-	416	4	366	7	-	377	813
% Lights	100.0	-	100.0	-	100.0	66.7	-	-	-	66.7	100.0	98.8	100.0	-	98.8	100.0	96.6	100.0	-	96.7	97.7
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	1	0	0	-	1	0	5	0	-	5	0	13	0	-	13	19
% Trucks	0.0	-	0.0	-	0.0	33.3	-	-	-	33.3	0.0	1.3	0.0	-	1.2	0.0	3.4	0.0	-	3.3	2.3

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (10:00 AM)

Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
10:00 AM	0	0	7	0	7	2	0	0	0	2	2	27	1	0	30	0	53	0	0	53	92
10:15 AM	1	0	4	0	5	3	0	0	0	3	1	32	0	0	33	0	76	1	0	77	118
10:30 AM	0	0	5	0	5	0	0	0	0	0	1	28	0	0	29	0	64	0	0	64	98
10:45 AM	1	0	4	0	5	0	0	0	0	0	1	28	1	0	30	0	70	0	0	70	105
Total	2	0	20	0	22	5	0	0	0	5	5	115	2	0	122	0	263	1	0	264	413
Approach %	9.1	0.0	90.9	-	-	100.0	0.0	0.0	-	-	4.1	94.3	1.6	-	-	0.0	99.6	0.4	-	-	-
Total %	0.5	0.0	4.8	-	5.3	1.2	0.0	0.0	-	1.2	1.2	27.8	0.5	-	29.5	0.0	63.7	0.2	-	63.9	-
PHF	0.500	0.000	0.714	-	0.786	0.417	0.000	0.000	-	0.417	0.625	0.898	0.500	-	0.924	0.000	0.865	0.250	-	0.857	0.875
Lights	2	0	20	-	22	5	0	0	-	5	5	114	2	-	121	0	262	1	-	263	411
% Lights	100.0	-	100.0	-	100.0	100.0	-	-	-	100.0	100.0	99.1	100.0	-	99.2	-	99.6	100.0	-	99.6	99.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	1	0	-	1	2
% Trucks	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.9	0.0	-	0.8	-	0.4	0.0	-	0.4	0.5

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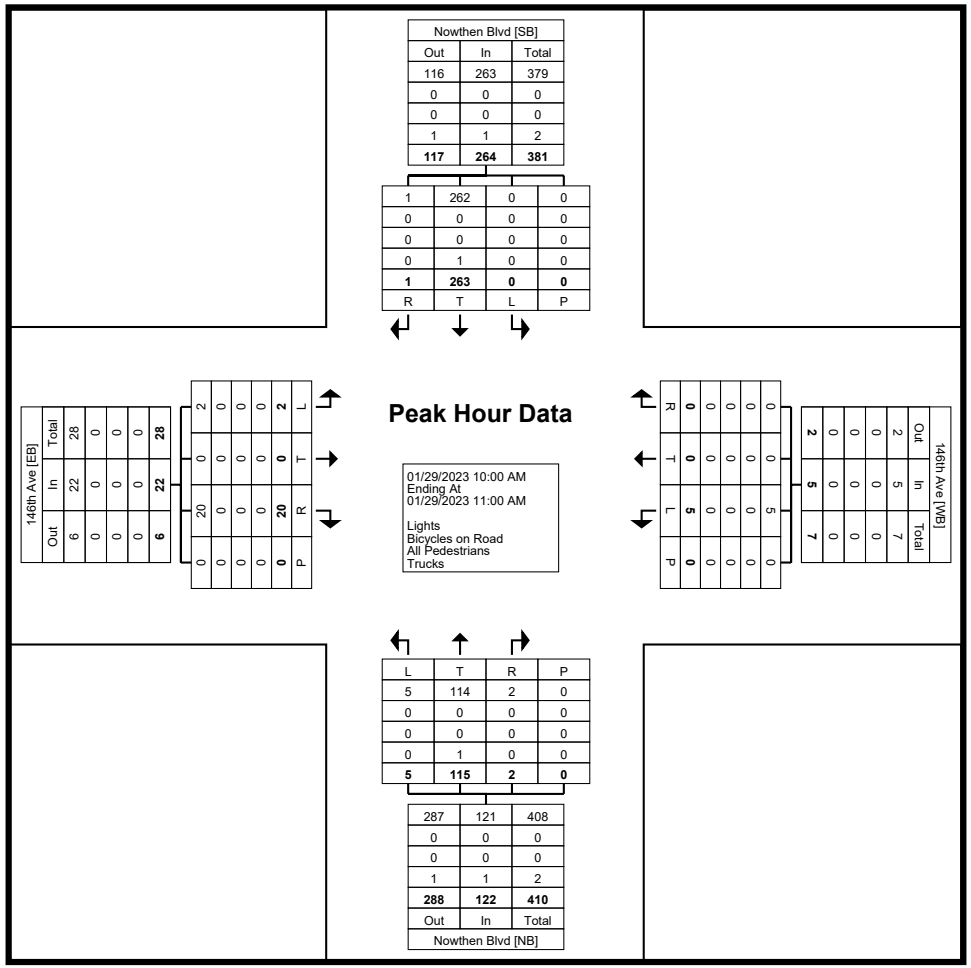
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

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4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (12:00 PM)

Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
12:00 PM	1	0	4	0	5	0	0	0	0	0	5	44	0	0	49	0	53	0	0	53	107
12:15 PM	0	0	4	0	4	0	0	0	0	0	4	45	1	0	50	0	74	1	0	75	129
12:30 PM	1	0	4	0	5	0	0	0	0	0	6	53	2	0	61	0	60	1	0	61	127
12:45 PM	0	0	2	0	2	2	0	0	0	2	3	54	1	0	58	0	46	0	0	46	108
Total	2	0	14	0	16	2	0	0	0	2	18	196	4	0	218	0	233	2	0	235	471
Approach %	12.5	0.0	87.5	-	-	100.0	0.0	0.0	-	-	8.3	89.9	1.8	-	-	0.0	99.1	0.9	-	-	-
Total %	0.4	0.0	3.0	-	3.4	0.4	0.0	0.0	-	0.4	3.8	41.6	0.8	-	46.3	0.0	49.5	0.4	-	49.9	-
PHF	0.500	0.000	0.875	-	0.800	0.250	0.000	0.000	-	0.250	0.750	0.907	0.500	-	0.893	0.000	0.787	0.500	-	0.783	0.913
Lights	2	0	13	-	15	2	0	0	-	2	18	195	4	-	217	0	231	2	-	233	467
% Lights	100.0	-	92.9	-	93.8	100.0	-	-	-	100.0	100.0	99.5	100.0	-	99.5	-	99.1	100.0	-	99.1	99.2
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	1	-	1	0	0	0	-	0	0	1	0	-	1	0	2	0	-	2	4
% Trucks	0.0	-	7.1	-	6.3	0.0	-	-	-	0.0	0.0	0.5	0.0	-	0.5	-	0.9	0.0	-	0.9	0.8

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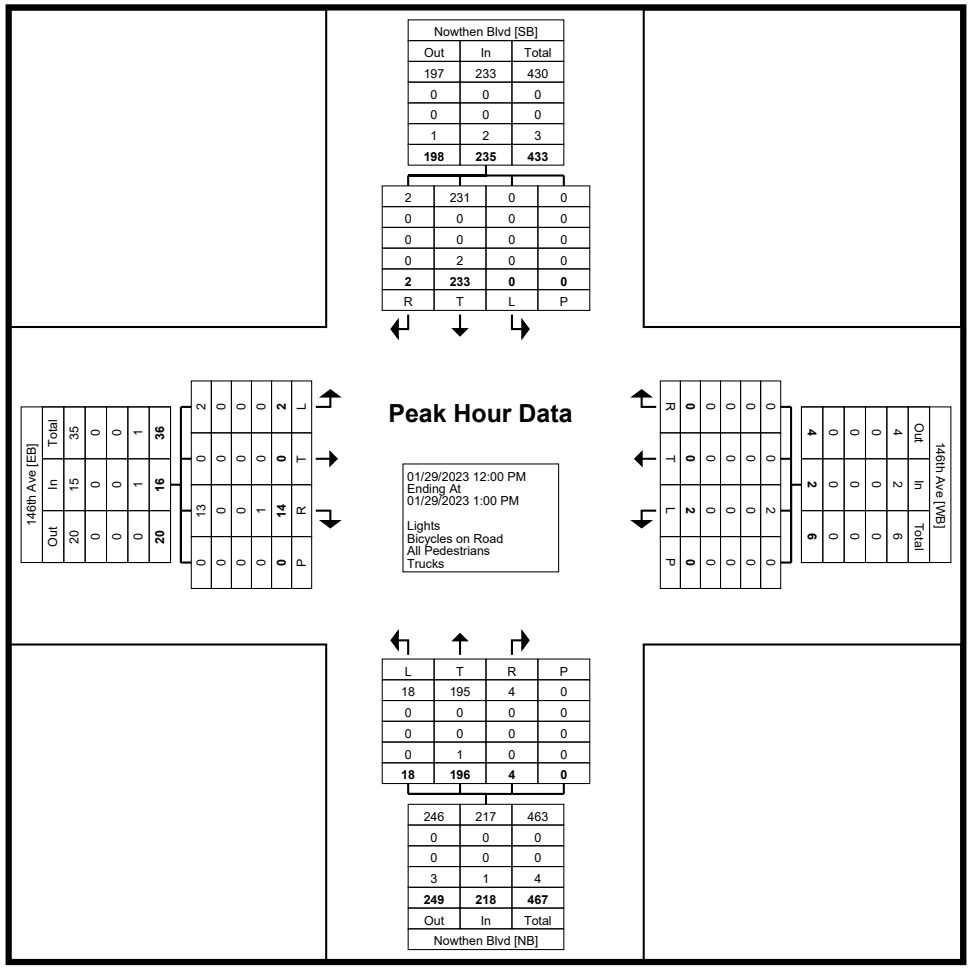
Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (12:00 PM)

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(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
7:00 AM	188	52	0	240	1	15	0	16	3	6	0	9	265
7:15 AM	190	48	0	238	12	30	0	42	11	6	0	17	297
7:30 AM	123	35	0	158	16	52	0	68	7	6	0	13	239
7:45 AM	131	29	0	160	14	32	0	46	9	8	0	17	223
Hourly Total	632	164	0	796	43	129	0	172	30	26	0	56	1024
8:00 AM	101	15	0	116	9	53	0	62	9	8	0	17	195
8:15 AM	95	12	0	107	8	48	0	56	11	11	0	22	185
8:30 AM	84	17	0	101	3	36	0	39	8	4	0	12	152
8:45 AM	87	8	0	95	7	44	0	51	8	4	0	12	158
Hourly Total	367	52	0	419	27	181	0	208	36	27	0	63	690
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	114	19	0	133	10	84	0	94	19	21	0	40	267
4:15 PM	79	13	0	92	2	104	0	106	21	18	0	39	237
4:30 PM	83	7	0	90	9	103	0	112	37	37	0	74	276
4:45 PM	94	14	0	108	9	91	0	100	19	17	0	36	244
Hourly Total	370	53	0	423	30	382	0	412	96	93	0	189	1024
5:00 PM	84	8	0	92	7	128	0	135	26	20	0	46	273
5:15 PM	108	7	0	115	6	99	0	105	17	10	0	27	247
5:30 PM	106	8	0	114	11	88	0	99	19	11	0	30	243
5:45 PM	73	11	0	84	3	109	0	112	15	12	0	27	223
Hourly Total	371	34	0	405	27	424	0	451	77	53	0	130	986
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	68	3	0	71	1	26	0	27	4	6	0	10	108
10:15 AM	77	10	0	87	4	38	0	42	13	8	0	21	150
10:30 AM	70	5	0	75	4	42	0	46	5	4	0	9	130
10:45 AM	72	10	0	82	6	38	0	44	5	6	0	11	137
Hourly Total	287	28	0	315	15	144	0	159	27	24	0	51	525
11:00 AM	49	0	0	49	5	29	0	34	2	4	0	6	89
11:15 AM	59	6	0	65	5	51	0	56	4	4	0	8	129
11:30 AM	58	3	0	61	5	39	0	44	10	8	0	18	123
11:45 AM	93	9	0	102	4	44	0	48	5	4	0	9	159
Hourly Total	259	18	0	277	19	163	0	182	21	20	0	41	500

12:00 PM	62	10	0	72	4	40	0	44	13	5	0	18	134
12:15 PM	83	1	0	84	5	54	0	59	9	5	0	14	157
12:30 PM	62	7	0	69	4	57	0	61	8	11	0	19	149
12:45 PM	59	3	0	62	9	63	0	72	8	7	0	15	149
Hourly Total	266	21	0	287	22	214	0	236	38	28	0	66	589
1:00 PM	63	3	0	66	2	35	0	37	8	7	0	15	118
1:15 PM	86	7	0	93	3	60	0	63	8	5	0	13	169
1:30 PM	66	3	0	69	5	61	0	66	6	7	0	13	148
1:45 PM	61	4	0	65	8	64	0	72	7	11	0	18	155
Hourly Total	276	17	0	293	18	220	0	238	29	30	0	59	590
Grand Total	2828	387	0	3215	201	1857	0	2058	354	301	0	655	5928
Approach %	88.0	12.0	-	-	9.8	90.2	-	-	54.0	46.0	-	-	-
Total %	47.7	6.5	-	54.2	3.4	31.3	-	34.7	6.0	5.1	-	11.0	-
Lights	2786	374	-	3160	194	1829	-	2023	348	292	-	640	5823
% Lights	98.5	96.6	-	98.3	96.5	98.5	-	98.3	98.3	97.0	-	97.7	98.2
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	42	13	-	55	7	28	-	35	6	9	-	15	105
% Trucks	1.5	3.4	-	1.7	3.5	1.5	-	1.7	1.7	3.0	-	2.3	1.8

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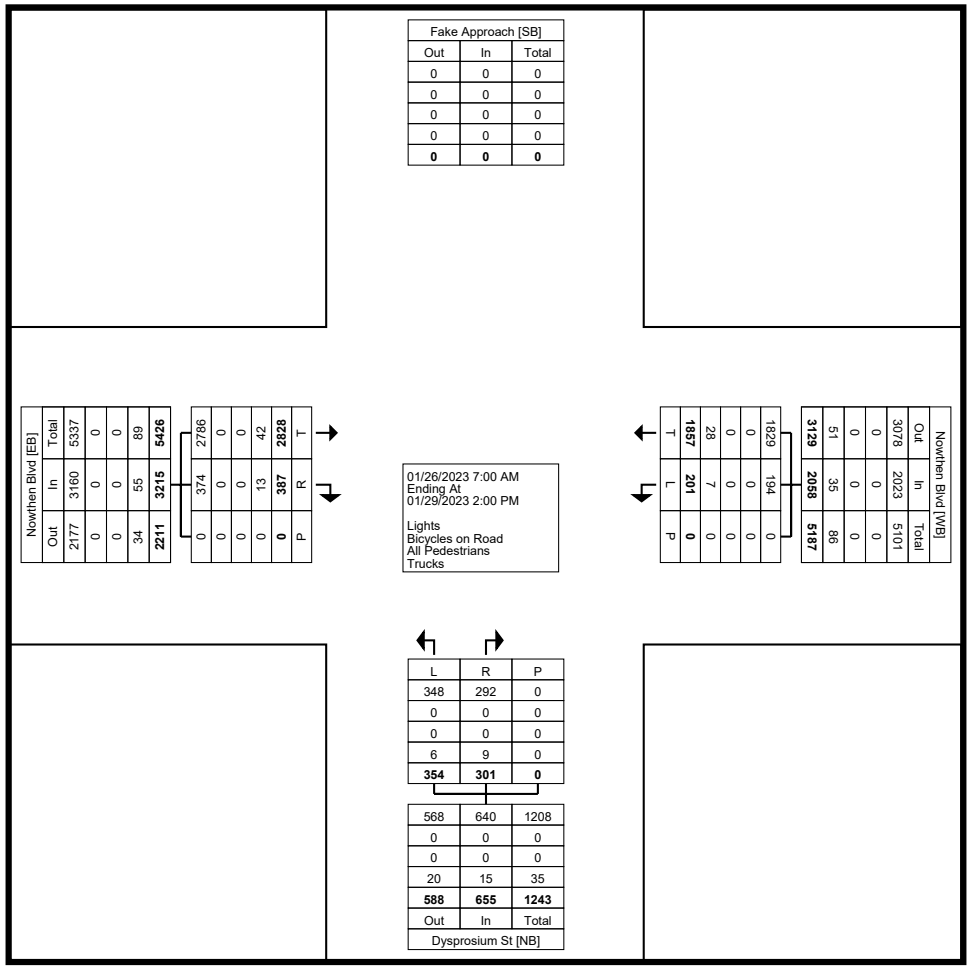
Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

Kimley-Horn and Associates, Inc.
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Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
7:00 AM	188	52	0	240	1	15	0	16	3	6	0	9	265
7:15 AM	190	48	0	238	12	30	0	42	11	6	0	17	297
7:30 AM	123	35	0	158	16	52	0	68	7	6	0	13	239
7:45 AM	131	29	0	160	14	32	0	46	9	8	0	17	223
Total	632	164	0	796	43	129	0	172	30	26	0	56	1024
Approach %	79.4	20.6	-	-	25.0	75.0	-	-	53.6	46.4	-	-	-
Total %	61.7	16.0	-	77.7	4.2	12.6	-	16.8	2.9	2.5	-	5.5	-
PHF	0.832	0.788	-	0.829	0.672	0.620	-	0.632	0.682	0.813	-	0.824	0.862
Lights	616	160	-	776	41	117	-	158	29	25	-	54	988
% Lights	97.5	97.6	-	97.5	95.3	90.7	-	91.9	96.7	96.2	-	96.4	96.5
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	16	4	-	20	2	12	-	14	1	1	-	2	36
% Trucks	2.5	2.4	-	2.5	4.7	9.3	-	8.1	3.3	3.8	-	3.6	3.5

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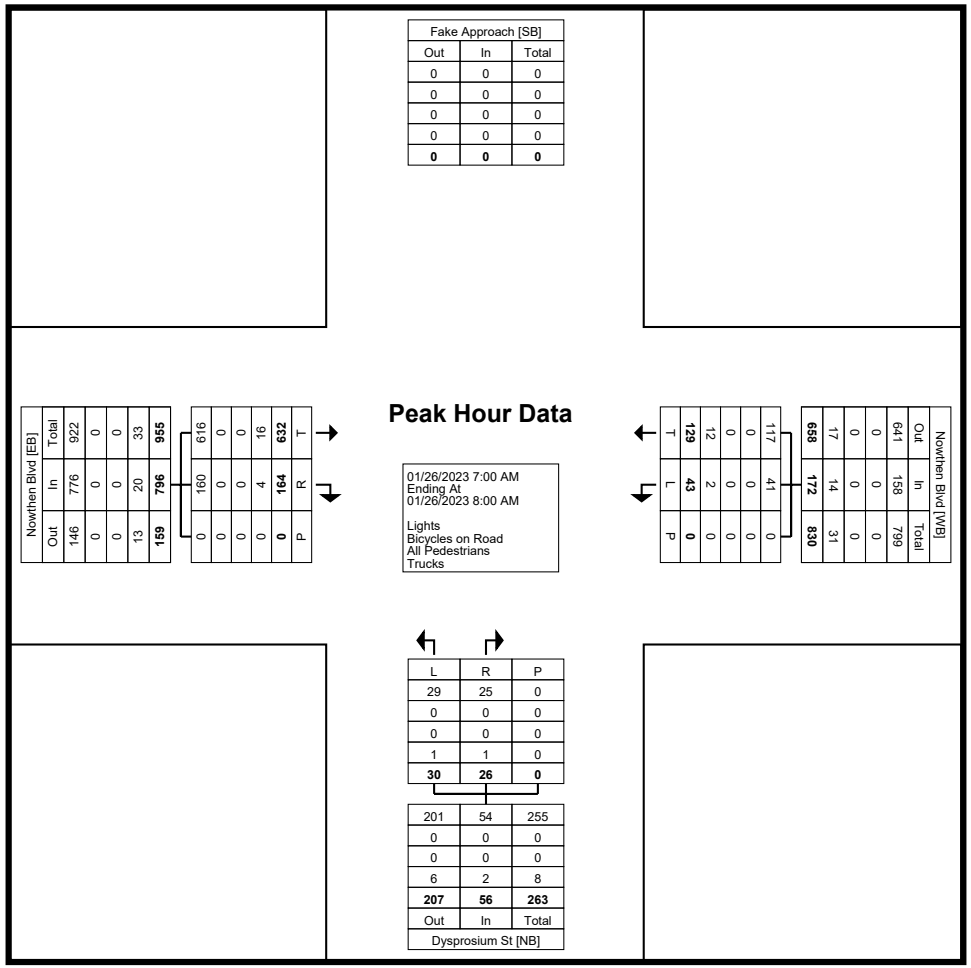
Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

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Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:30 PM)

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
4:30 PM	83	7	0	90	9	103	0	112	37	37	0	74	276
4:45 PM	94	14	0	108	9	91	0	100	19	17	0	36	244
5:00 PM	84	8	0	92	7	128	0	135	26	20	0	46	273
5:15 PM	108	7	0	115	6	99	0	105	17	10	0	27	247
Total	369	36	0	405	31	421	0	452	99	84	0	183	1040
Approach %	91.1	8.9	-	-	6.9	93.1	-	-	54.1	45.9	-	-	-
Total %	35.5	3.5	-	38.9	3.0	40.5	-	43.5	9.5	8.1	-	17.6	-
PHF	0.854	0.643	-	0.880	0.861	0.822	-	0.837	0.669	0.568	-	0.618	0.942
Lights	358	33	-	391	30	418	-	448	97	83	-	180	1019
% Lights	97.0	91.7	-	96.5	96.8	99.3	-	99.1	98.0	98.8	-	98.4	98.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	11	3	-	14	1	3	-	4	2	1	-	3	21
% Trucks	3.0	8.3	-	3.5	3.2	0.7	-	0.9	2.0	1.2	-	1.6	2.0

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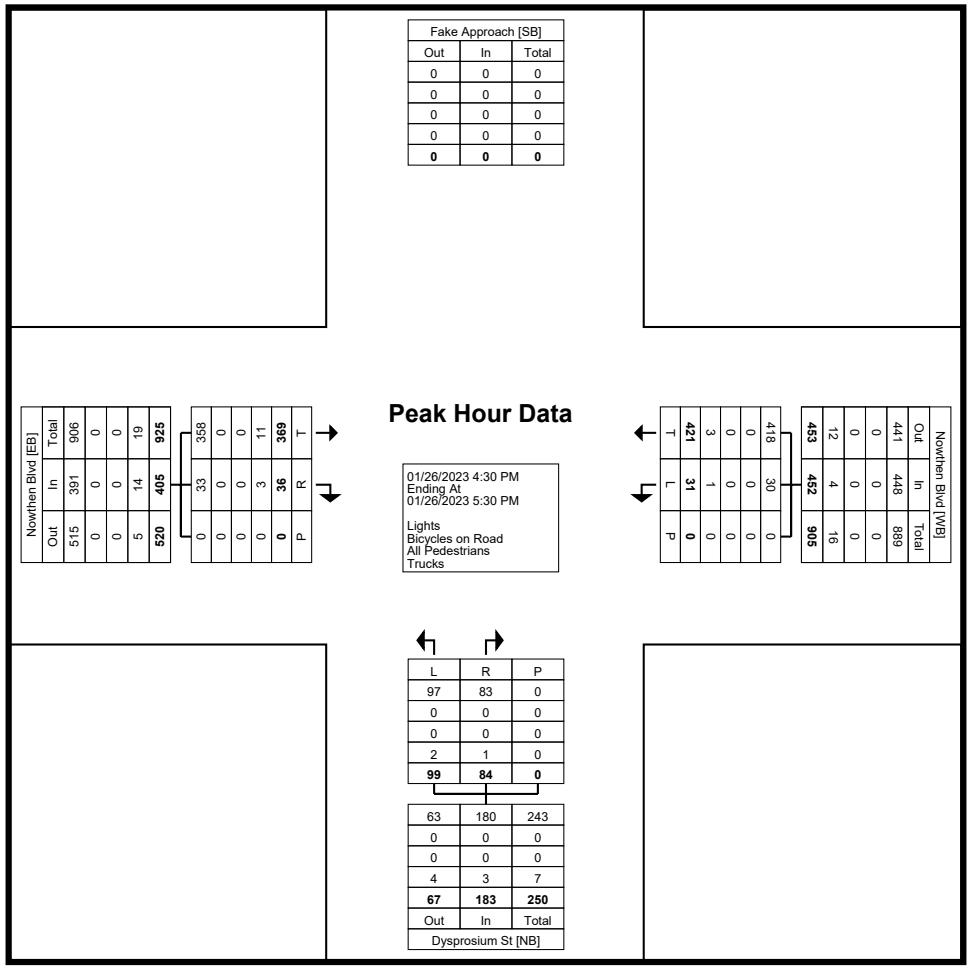
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:30 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (10:00 AM)

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
10:00 AM	68	3	0	71	1	26	0	27	4	6	0	10	108
10:15 AM	77	10	0	87	4	38	0	42	13	8	0	21	150
10:30 AM	70	5	0	75	4	42	0	46	5	4	0	9	130
10:45 AM	72	10	0	82	6	38	0	44	5	6	0	11	137
Total	287	28	0	315	15	144	0	159	27	24	0	51	525
Approach %	91.1	8.9	-	-	9.4	90.6	-	-	52.9	47.1	-	-	-
Total %	54.7	5.3	-	60.0	2.9	27.4	-	30.3	5.1	4.6	-	9.7	-
PHF	0.932	0.700	-	0.905	0.625	0.857	-	0.864	0.519	0.750	-	0.607	0.875
Lights	287	28	-	315	15	144	-	159	27	24	-	51	525
% Lights	100.0	100.0	-	100.0	100.0	100.0	-	100.0	100.0	100.0	-	100.0	100.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0

Kimley-Horn and Associates, Inc.
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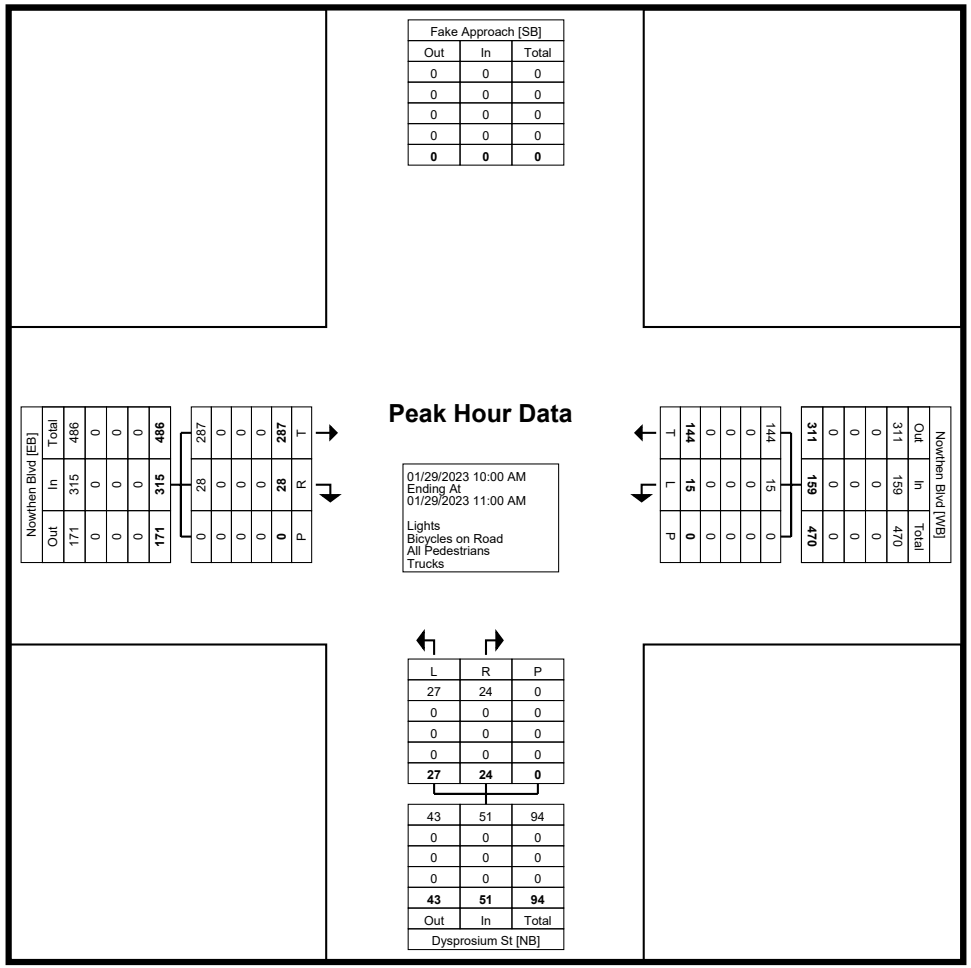
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (1:00 PM)

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
1:00 PM	63	3	0	66	2	35	0	37	8	7	0	15	118
1:15 PM	86	7	0	93	3	60	0	63	8	5	0	13	169
1:30 PM	66	3	0	69	5	61	0	66	6	7	0	13	148
1:45 PM	61	4	0	65	8	64	0	72	7	11	0	18	155
Total	276	17	0	293	18	220	0	238	29	30	0	59	590
Approach %	94.2	5.8	-	-	7.6	92.4	-	-	49.2	50.8	-	-	-
Total %	46.8	2.9	-	49.7	3.1	37.3	-	40.3	4.9	5.1	-	10.0	-
PHF	0.802	0.607	-	0.788	0.563	0.859	-	0.826	0.906	0.682	-	0.819	0.873
Lights	275	17	-	292	18	220	-	238	29	30	-	59	589
% Lights	99.6	100.0	-	99.7	100.0	100.0	-	100.0	100.0	100.0	-	100.0	99.8
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	1	0	-	1	0	0	-	0	0	0	-	0	1
% Trucks	0.4	0.0	-	0.3	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.2

Kimley-Horn and Associates, Inc.
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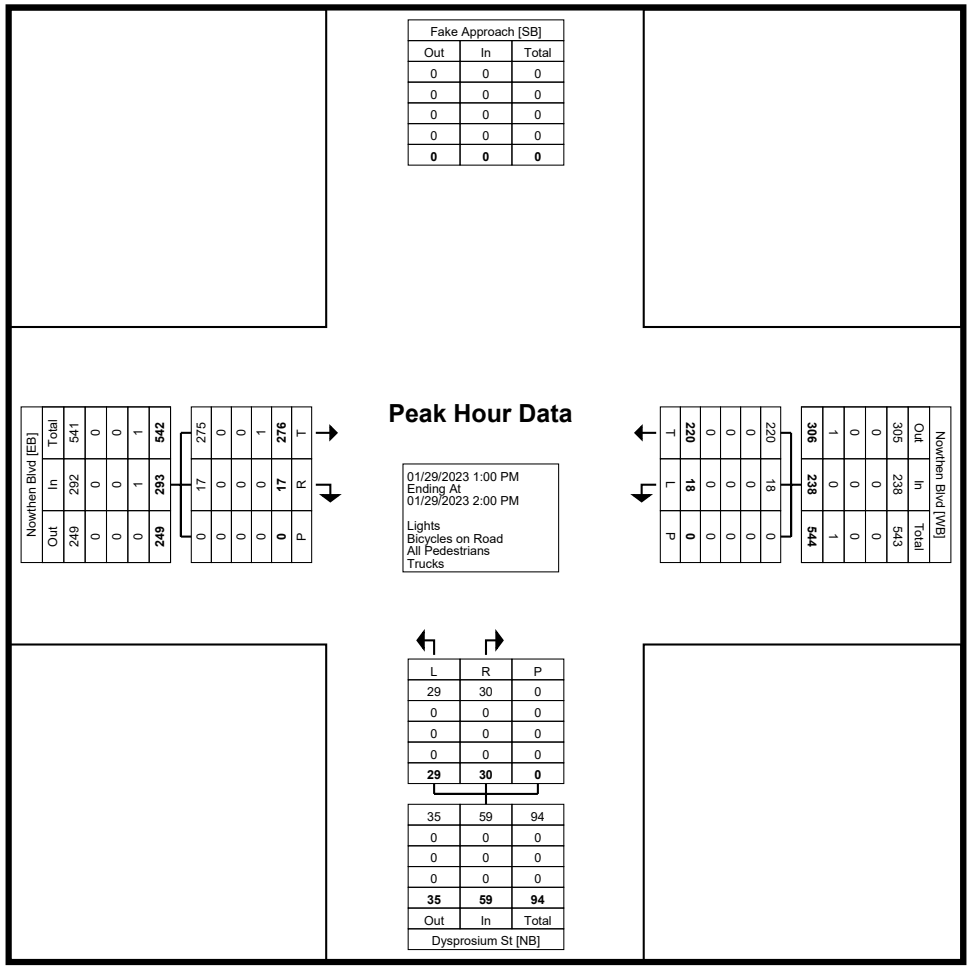
Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (1:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	0	216	0	0	216	3	15	1	0	19	2	0	23	0	25	0	0	0	0	0	260
7:15 AM	1	210	1	0	212	3	32	6	0	41	1	0	27	0	28	0	0	0	0	0	281
7:30 AM	2	140	2	0	144	5	52	1	0	58	0	0	17	0	17	0	0	0	0	0	219
7:45 AM	2	143	3	0	148	1	37	4	0	42	1	0	15	0	16	0	0	0	0	0	206
Hourly Total	5	709	6	0	720	12	136	12	0	160	4	0	82	0	86	0	0	0	0	0	966
8:00 AM	4	109	0	0	113	3	53	7	0	63	0	0	7	0	7	0	0	0	0	0	183
8:15 AM	2	98	2	0	102	4	49	6	0	59	3	0	8	0	11	0	0	0	0	0	172
8:30 AM	2	86	0	1	88	6	33	2	0	41	1	0	13	1	14	0	0	0	0	0	143
8:45 AM	9	86	1	0	96	3	39	11	0	53	0	0	9	0	9	0	0	0	0	0	158
Hourly Total	17	379	3	1	399	16	174	26	0	216	4	0	37	1	41	0	0	0	0	0	656
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 PM	0	128	3	0	131	12	85	3	0	100	1	0	3	0	4	1	0	0	0	1	236
4:15 PM	0	80	6	0	86	11	117	1	0	129	2	0	8	0	10	2	0	0	0	2	227
4:30 PM	1	78	0	0	79	25	114	1	0	140	2	0	13	0	15	4	0	2	0	6	240
4:45 PM	0	94	4	0	98	14	96	1	0	111	0	0	11	0	11	1	0	0	0	1	221
Hourly Total	1	380	13	0	394	62	412	6	0	480	5	0	35	0	40	8	0	2	0	10	924
5:00 PM	7	81	3	0	91	21	125	2	0	148	0	0	11	1	11	1	0	0	0	1	251
5:15 PM	8	102	0	0	110	13	77	16	0	106	0	0	10	2	10	0	0	1	0	1	227
5:30 PM	2	95	4	0	101	17	81	11	0	109	1	0	17	0	18	2	0	1	0	3	231
5:45 PM	0	68	1	0	69	15	108	4	0	127	1	0	12	1	13	4	0	2	0	6	215
Hourly Total	17	346	8	0	371	66	391	33	0	490	2	0	50	4	52	7	0	4	0	11	924
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	64	0	0	64	0	24	3	0	27	0	0	6	0	6	0	0	0	0	0	97
10:15 AM	4	84	0	0	88	7	29	5	0	41	0	0	5	0	5	0	0	0	0	0	134
10:30 AM	4	64	0	0	68	5	24	13	0	42	4	1	8	0	13	1	0	1	0	2	125
10:45 AM	2	75	2	0	79	7	27	4	0	38	2	1	8	0	11	0	0	0	0	0	128
Hourly Total	10	287	2	0	299	19	104	25	0	148	6	2	27	0	35	1	0	1	0	2	484
11:00 AM	0	40	2	0	42	1	30	0	0	31	0	0	9	0	9	0	0	0	0	0	82
11:15 AM	0	59	0	0	59	7	44	4	0	55	1	1	6	0	8	0	1	0	0	1	123
11:30 AM	2	56	0	0	58	5	41	4	0	50	0	0	4	1	4	1	0	1	0	2	114
11:45 AM	0	92	1	0	93	6	42	0	0	48	1	0	10	0	11	1	0	0	0	1	153
Hourly Total	2	247	3	0	252	19	157	8	0	184	2	1	29	1	32	2	1	1	0	4	472
12:00 PM	0	65	0	0	65	9	44	2	0	55	0	0	4	0	4	1	0	0	0	1	125
12:15 PM	1	76	3	0	80	10	53	0	0	63	0	0	10	0	10	0	0	0	0	0	153

12:30 PM	0	64	0	0	64	9	54	0	0	63	0	0	8	0	8	1	0	1	0	2	137
12:45 PM	0	49	2	0	51	9	60	4	0	73	1	0	9	1	10	2	0	0	0	2	136
Hourly Total	1	254	5	0	260	37	211	6	0	254	1	0	31	1	32	4	0	1	0	5	551
1:00 PM	1	54	1	0	56	6	36	1	0	43	0	0	14	0	14	0	0	0	0	0	113
1:15 PM	1	84	1	0	86	10	55	3	0	68	2	0	8	0	10	1	0	1	0	2	166
1:30 PM	1	59	0	0	60	11	59	0	0	70	1	0	9	0	10	0	0	2	0	2	142
1:45 PM	0	52	1	0	53	13	59	0	0	72	0	0	11	0	11	1	0	0	0	1	137
Hourly Total	3	249	3	0	255	40	209	4	0	253	3	0	42	0	45	2	0	3	0	5	558
Grand Total	56	2851	43	1	2950	271	1794	120	0	2185	27	3	333	7	363	24	1	12	0	37	5535
Approach %	1.9	96.6	1.5	-	-	12.4	82.1	5.5	-	-	7.4	0.8	91.7	-	-	64.9	2.7	32.4	-	-	-
Total %	1.0	51.5	0.8	-	53.3	4.9	32.4	2.2	-	39.5	0.5	0.1	6.0	-	6.6	0.4	0.0	0.2	-	0.7	-
Lights	54	2814	41	-	2909	267	1765	119	-	2151	27	3	322	-	352	24	1	10	-	35	5447
% Lights	96.4	98.7	95.3	-	98.6	98.5	98.4	99.2	-	98.4	100.0	100.0	96.7	-	97.0	100.0	100.0	83.3	-	94.6	98.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	1	-	-	-	-	0	-	-	-	-	7	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-
Trucks	2	37	2	-	41	4	29	1	-	34	0	0	11	-	11	0	0	2	-	2	88
% Trucks	3.6	1.3	4.7	-	1.4	1.5	1.6	0.8	-	1.6	0.0	0.0	3.3	-	3.0	0.0	0.0	16.7	-	5.4	1.6

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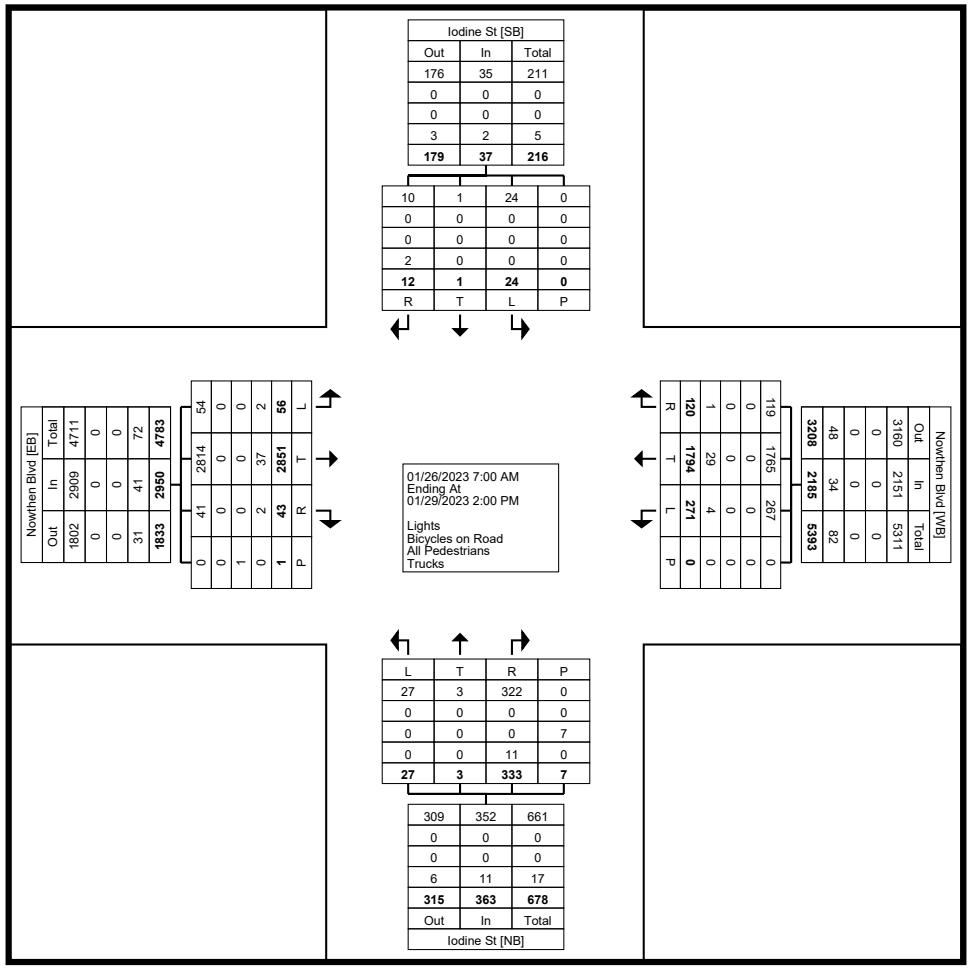
Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	0	216	0	0	216	3	15	1	0	19	2	0	23	0	25	0	0	0	0	0	260
7:15 AM	1	210	1	0	212	3	32	6	0	41	1	0	27	0	28	0	0	0	0	0	281
7:30 AM	2	140	2	0	144	5	52	1	0	58	0	0	17	0	17	0	0	0	0	0	219
7:45 AM	2	143	3	0	148	1	37	4	0	42	1	0	15	0	16	0	0	0	0	0	206
Total	5	709	6	0	720	12	136	12	0	160	4	0	82	0	86	0	0	0	0	0	966
Approach %	0.7	98.5	0.8	-	-	7.5	85.0	7.5	-	-	4.7	0.0	95.3	-	-	0.0	0.0	0.0	-	-	-
Total %	0.5	73.4	0.6	-	74.5	1.2	14.1	1.2	-	16.6	0.4	0.0	8.5	-	8.9	0.0	0.0	0.0	-	0.0	-
PHF	0.625	0.821	0.500	-	0.833	0.600	0.654	0.500	-	0.690	0.500	0.000	0.759	-	0.768	0.000	0.000	0.000	-	0.000	0.859
Lights	5	697	6	-	708	11	125	11	-	147	4	0	78	-	82	0	0	0	-	0	937
% Lights	100.0	98.3	100.0	-	98.3	91.7	91.9	91.7	-	91.9	100.0	-	95.1	-	95.3	-	-	-	-	-	97.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-	-	-	-	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	12	0	-	12	1	11	1	-	13	0	0	4	-	4	0	0	0	-	0	29
% Trucks	0.0	1.7	0.0	-	1.7	8.3	8.1	8.3	-	8.1	0.0	-	4.9	-	4.7	-	-	-	-	-	3.0

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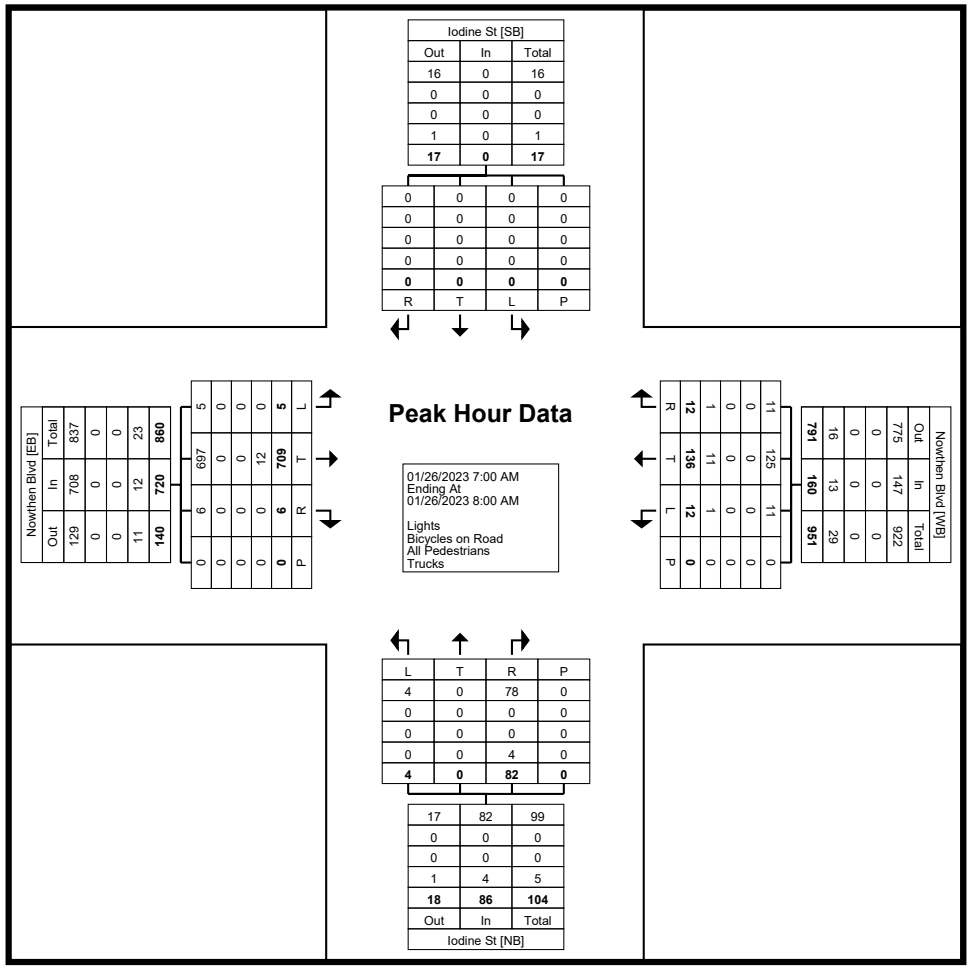
Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

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(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:15 PM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:15 PM	0	80	6	0	86	11	117	1	0	129	2	0	8	0	10	2	0	0	0	2	227
4:30 PM	1	78	0	0	79	25	114	1	0	140	2	0	13	0	15	4	0	2	0	6	240
4:45 PM	0	94	4	0	98	14	96	1	0	111	0	0	11	0	11	1	0	0	0	1	221
5:00 PM	7	81	3	0	91	21	125	2	0	148	0	0	11	1	11	1	0	0	0	1	251
Total	8	333	13	0	354	71	452	5	0	528	4	0	43	1	47	8	0	2	0	10	939
Approach %	2.3	94.1	3.7	-	-	13.4	85.6	0.9	-	-	8.5	0.0	91.5	-	-	80.0	0.0	20.0	-	-	-
Total %	0.9	35.5	1.4	-	37.7	7.6	48.1	0.5	-	56.2	0.4	0.0	4.6	-	5.0	0.9	0.0	0.2	-	1.1	-
PHF	0.286	0.886	0.542	-	0.903	0.710	0.904	0.625	-	0.892	0.500	0.000	0.827	-	0.783	0.500	0.000	0.250	-	0.417	0.935
Lights	8	322	12	-	342	70	446	5	-	521	4	0	38	-	42	8	0	2	-	10	915
% Lights	100.0	96.7	92.3	-	96.6	98.6	98.7	100.0	-	98.7	100.0	-	88.4	-	89.4	100.0	-	100.0	-	100.0	97.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-
Trucks	0	11	1	-	12	1	6	0	-	7	0	0	5	-	5	0	0	0	-	0	24
% Trucks	0.0	3.3	7.7	-	3.4	1.4	1.3	0.0	-	1.3	0.0	-	11.6	-	10.6	0.0	-	0.0	-	0.0	2.6

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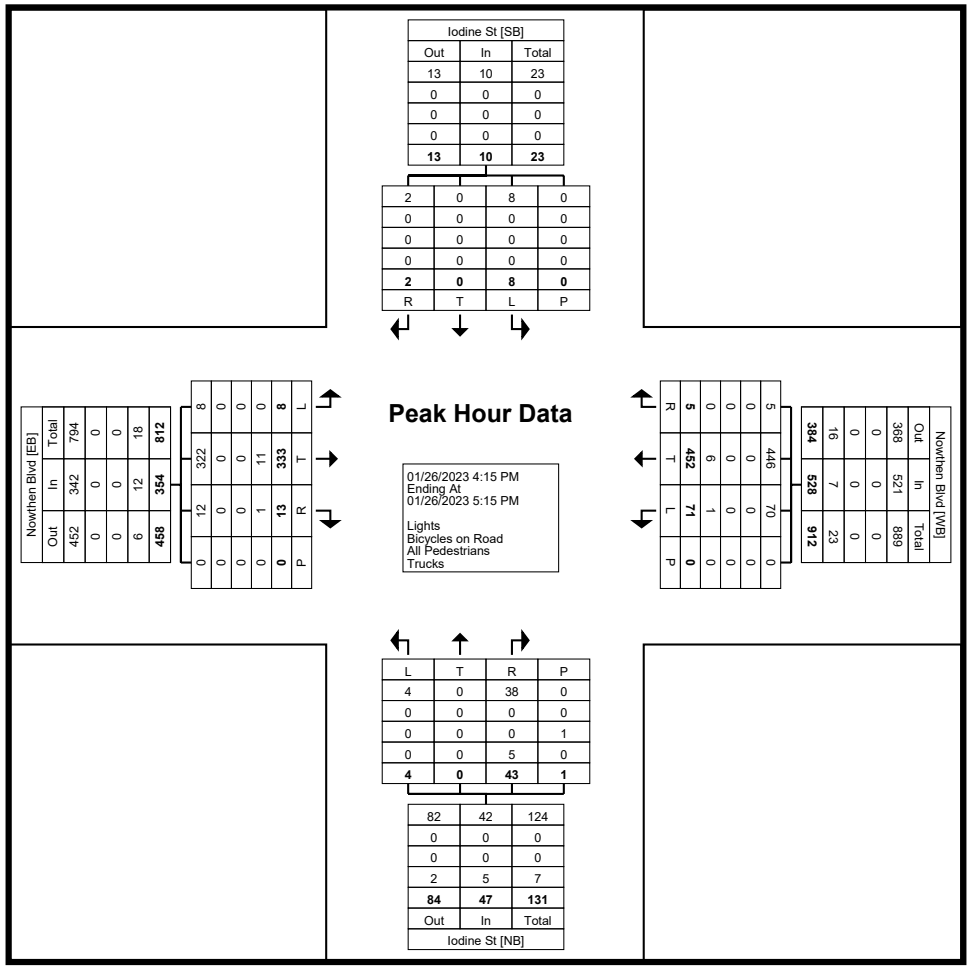
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:15 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

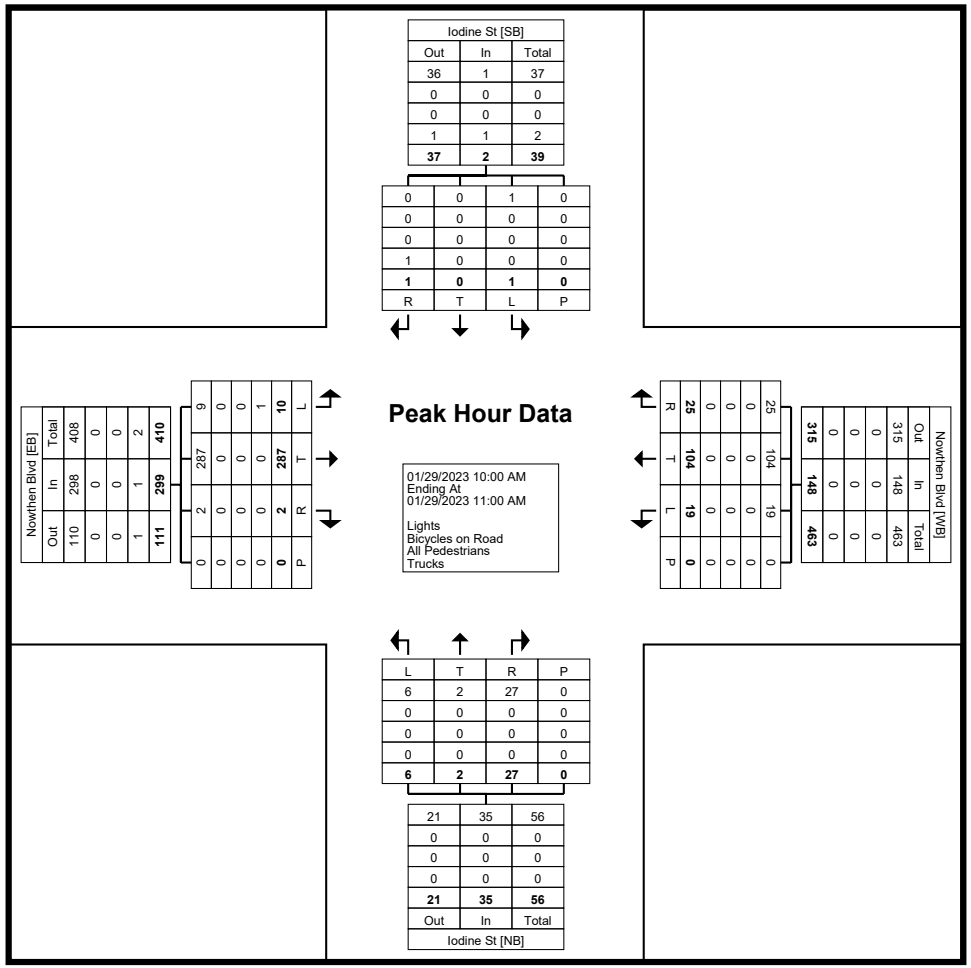
Turning Movement Peak Hour Data (10:00 AM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
10:00 AM	0	64	0	0	64	0	24	3	0	27	0	0	6	0	6	0	0	0	0	0	97
10:15 AM	4	84	0	0	88	7	29	5	0	41	0	0	5	0	5	0	0	0	0	0	134
10:30 AM	4	64	0	0	68	5	24	13	0	42	4	1	8	0	13	1	0	1	0	2	125
10:45 AM	2	75	2	0	79	7	27	4	0	38	2	1	8	0	11	0	0	0	0	0	128
Total	10	287	2	0	299	19	104	25	0	148	6	2	27	0	35	1	0	1	0	2	484
Approach %	3.3	96.0	0.7	-	-	12.8	70.3	16.9	-	-	17.1	5.7	77.1	-	-	50.0	0.0	50.0	-	-	-
Total %	2.1	59.3	0.4	-	61.8	3.9	21.5	5.2	-	30.6	1.2	0.4	5.6	-	7.2	0.2	0.0	0.2	-	0.4	-
PHF	0.625	0.854	0.250	-	0.849	0.679	0.897	0.481	-	0.881	0.375	0.500	0.844	-	0.673	0.250	0.000	0.250	-	0.250	0.903
Lights	9	287	2	-	298	19	104	25	-	148	6	2	27	-	35	1	0	0	-	1	482
% Lights	90.0	100.0	100.0	-	99.7	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	-	0.0	-	50.0	99.6
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	1	0	0	-	1	0	0	0	-	0	0	0	0	-	0	0	0	1	-	1	2
% Trucks	10.0	0.0	0.0	-	0.3	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	100.0	-	50.0	0.4

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (1:00 PM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
1:00 PM	1	54	1	0	56	6	36	1	0	43	0	0	14	0	14	0	0	0	0	0	113
1:15 PM	1	84	1	0	86	10	55	3	0	68	2	0	8	0	10	1	0	1	0	2	166
1:30 PM	1	59	0	0	60	11	59	0	0	70	1	0	9	0	10	0	0	2	0	2	142
1:45 PM	0	52	1	0	53	13	59	0	0	72	0	0	11	0	11	1	0	0	0	1	137
Total	3	249	3	0	255	40	209	4	0	253	3	0	42	0	45	2	0	3	0	5	558
Approach %	1.2	97.6	1.2	-	-	15.8	82.6	1.6	-	-	6.7	0.0	93.3	-	-	40.0	0.0	60.0	-	-	-
Total %	0.5	44.6	0.5	-	45.7	7.2	37.5	0.7	-	45.3	0.5	0.0	7.5	-	8.1	0.4	0.0	0.5	-	0.9	-
PHF	0.750	0.741	0.750	-	0.741	0.769	0.886	0.333	-	0.878	0.375	0.000	0.750	-	0.804	0.500	0.000	0.375	-	0.625	0.840
Lights	3	248	3	-	254	40	209	4	-	253	3	0	42	-	45	2	0	3	-	5	557
% Lights	100.0	99.6	100.0	-	99.6	100.0	100.0	100.0	-	100.0	100.0	-	100.0	-	100.0	100.0	-	100.0	-	100.0	99.8
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	1
% Trucks	0.0	0.4	0.0	-	0.4	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	0.2

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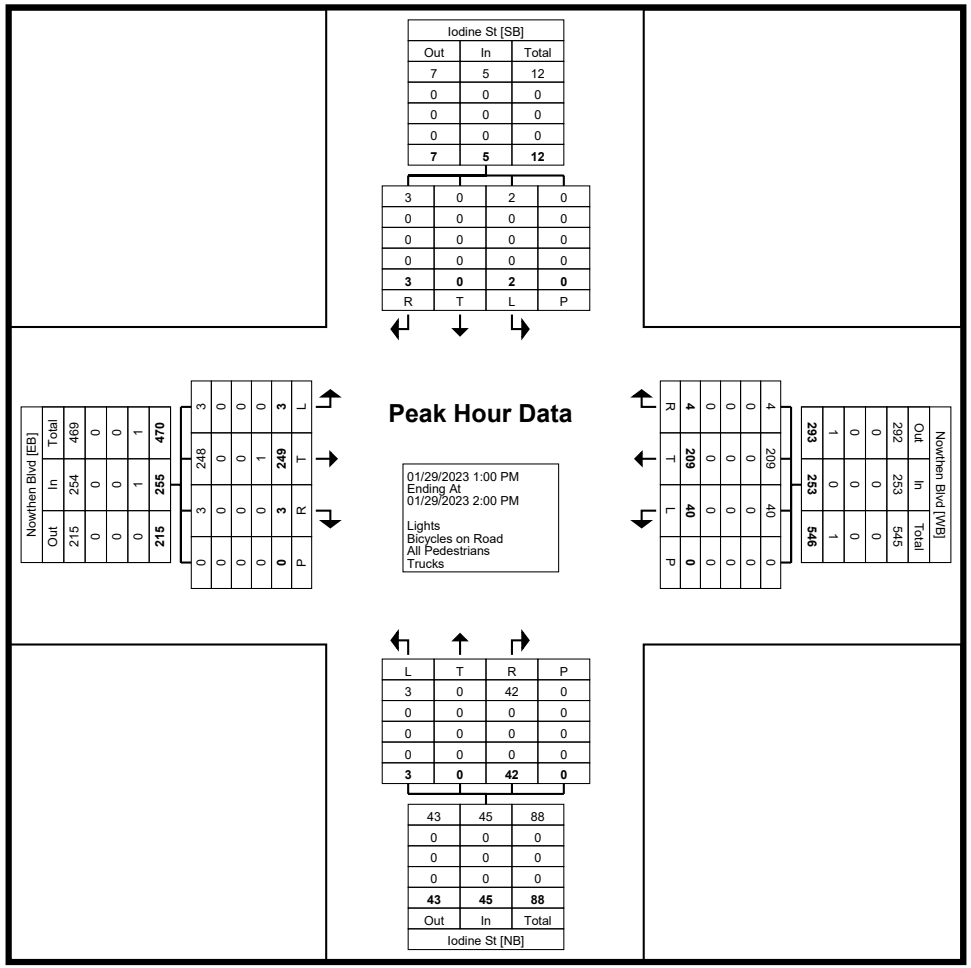
Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (1:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

Turning Movement Data

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
10:00 AM	1	2	11	0	14	2	1	0	0	3	2	21	4	0	27	0	41	0	0	41	85
10:15 AM	0	4	14	0	18	6	3	0	0	9	4	26	3	0	33	0	58	0	0	58	118
10:30 AM	1	2	7	0	10	5	1	2	0	8	5	22	1	0	28	0	52	0	0	52	98
10:45 AM	1	2	14	0	17	5	7	0	0	12	2	24	3	0	29	0	50	0	0	50	108
Hourly Total	3	10	46	0	59	18	12	2	0	32	13	93	11	0	117	0	201	0	0	201	409
11:00 AM	2	3	6	0	11	1	1	0	0	2	6	15	3	0	24	0	33	2	0	35	72
11:15 AM	4	1	6	0	11	2	1	1	0	4	5	30	4	0	39	0	41	0	0	41	95
11:30 AM	1	3	6	0	10	4	3	0	0	7	6	32	5	0	43	0	46	1	0	47	107
11:45 AM	1	3	17	0	21	8	2	0	0	10	3	36	1	0	40	0	53	2	0	55	126
Hourly Total	8	10	35	0	53	15	7	1	0	23	20	113	13	0	146	0	173	5	0	178	400
12:00 PM	1	3	10	0	14	4	6	1	0	11	11	30	5	0	46	0	41	3	0	44	115
12:15 PM	0	7	10	0	17	1	4	1	0	6	5	35	4	0	44	0	63	2	0	65	132
12:30 PM	1	7	7	0	15	4	1	2	0	7	7	44	4	0	55	0	50	1	0	51	128
12:45 PM	1	7	7	0	15	1	5	1	0	7	9	40	7	0	56	1	39	1	0	41	119
Hourly Total	3	24	34	0	61	10	16	5	0	31	32	149	20	0	201	1	193	7	0	201	494
1:00 PM	1	3	10	0	14	0	1	0	0	1	7	24	1	0	32	0	38	2	0	40	87
1:15 PM	2	4	15	0	21	8	3	0	0	11	16	39	5	0	60	1	50	2	0	53	145
1:30 PM	0	1	12	0	13	4	7	1	0	12	7	51	7	0	65	0	34	2	0	36	126
1:45 PM	0	3	10	0	13	4	2	0	0	6	8	32	8	0	48	0	33	4	0	37	104
Hourly Total	3	11	47	0	61	16	13	1	0	30	38	146	21	0	205	1	155	10	0	166	462
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	4	12	0	16	12	9	2	0	23	3	15	2	0	20	0	127	5	0	132	191
7:15 AM	2	3	17	0	22	10	1	0	0	11	2	29	2	0	33	0	105	1	0	106	172
7:30 AM	3	1	6	0	10	12	6	0	0	18	3	31	3	0	37	2	108	6	0	116	181
7:45 AM	3	6	17	0	26	6	6	3	0	15	3	34	0	0	37	0	126	5	0	131	209
Hourly Total	8	14	52	0	74	40	22	5	0	67	11	109	7	0	127	2	466	17	0	485	753
8:00 AM	6	2	21	0	29	9	3	1	0	13	4	46	5	0	55	3	140	3	0	146	243
8:15 AM	4	3	14	0	21	7	6	1	0	14	3	56	2	0	61	2	100	4	0	106	202
8:30 AM	3	4	5	0	12	6	4	0	0	10	7	37	5	0	49	0	53	1	0	54	125
8:45 AM	1	2	15	0	18	4	4	0	0	8	6	25	3	0	34	0	57	3	0	60	120
Hourly Total	14	11	55	0	80	26	17	2	0	45	20	164	15	0	199	5	350	11	0	366	690
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4:00 PM	6	5	6	0	17	2	5	4	0	11	21	84	12	0	117	11	120	37	0	168	313
4:15 PM	2	1	14	0	17	3	4	0	0	7	15	60	5	0	80	2	71	5	0	78	182
4:30 PM	4	7	15	0	26	8	6	1	0	15	24	82	6	0	112	3	77	3	0	83	236
4:45 PM	2	11	6	0	19	8	7	2	0	17	14	84	4	0	102	0	62	3	0	65	203
Hourly Total	14	24	41	0	79	21	22	7	0	50	74	310	27	0	411	16	330	48	0	394	934
5:00 PM	3	6	12	0	21	0	2	2	0	4	21	82	3	0	106	0	69	5	0	74	205
5:15 PM	0	5	14	0	19	2	6	0	0	8	11	96	4	0	111	0	55	8	0	63	201
5:30 PM	1	3	14	0	18	1	3	1	0	5	10	77	7	0	94	0	48	5	0	53	170
5:45 PM	1	4	11	0	16	2	3	0	0	5	14	63	3	0	80	0	45	5	0	50	151
Hourly Total	5	18	51	0	74	5	14	3	0	22	56	318	17	0	391	0	217	23	0	240	727
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
Grand Total	58	122	361	0	541	151	123	26	0	300	264	1402	132	0	1798	25	2085	121	0	2231	4870
Approach %	10.7	22.6	66.7	-	-	50.3	41.0	8.7	-	-	14.7	78.0	7.3	-	-	1.1	93.5	5.4	-	-	-
Total %	1.2	2.5	7.4	-	11.1	3.1	2.5	0.5	-	6.2	5.4	28.8	2.7	-	36.9	0.5	42.8	2.5	-	45.8	-
Lights	58	118	356	-	532	148	121	25	-	294	261	1382	130	-	1773	22	2052	111	-	2185	4784
% Lights	100.0	96.7	98.6	-	98.3	98.0	98.4	96.2	-	98.0	98.9	98.6	98.5	-	98.6	88.0	98.4	91.7	-	97.9	98.2
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	4	5	-	9	3	2	1	-	6	3	20	2	-	25	3	33	10	-	46	86
% Trucks	0.0	3.3	1.4	-	1.7	2.0	1.6	3.8	-	2.0	1.1	1.4	1.5	-	1.4	12.0	1.6	8.3	-	2.1	1.8

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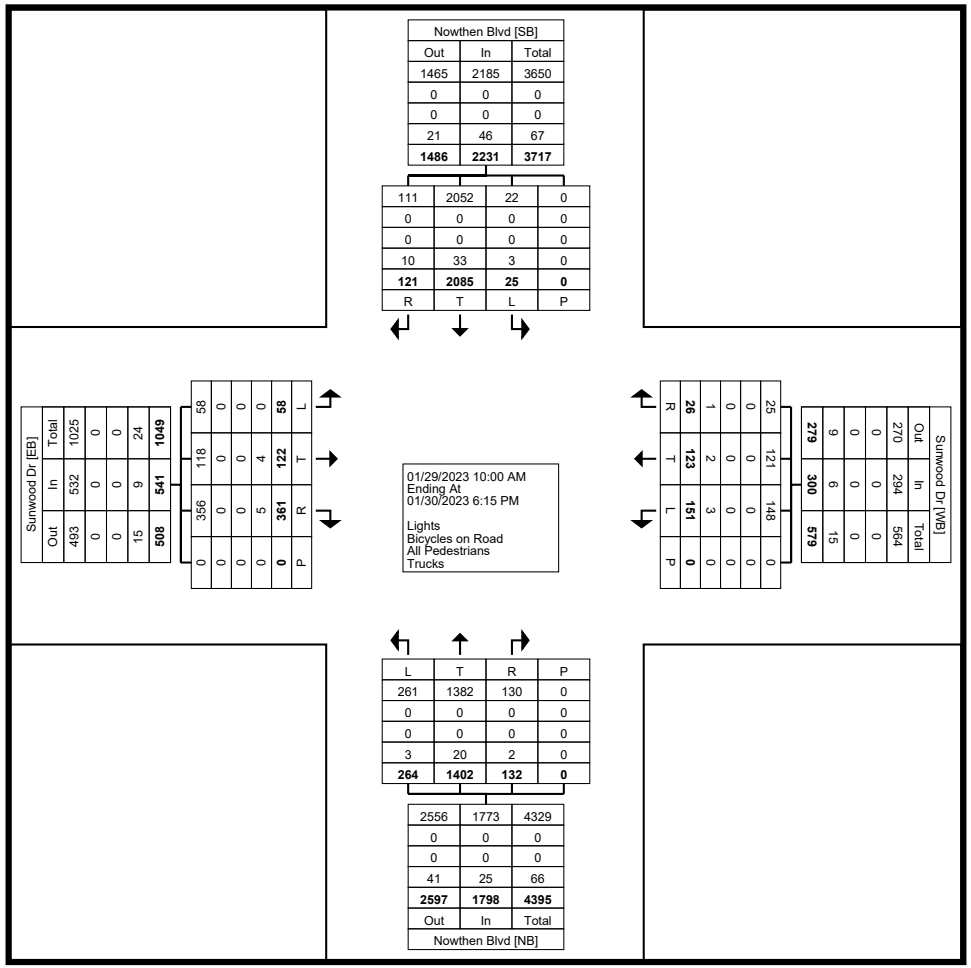
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023



Turning Movement Data Plot

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

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Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

Turning Movement Peak Hour Data (10:00 AM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
10:00 AM	1	2	11	0	14	2	1	0	0	3	2	21	4	0	27	0	41	0	0	41	85
10:15 AM	0	4	14	0	18	6	3	0	0	9	4	26	3	0	33	0	58	0	0	58	118
10:30 AM	1	2	7	0	10	5	1	2	0	8	5	22	1	0	28	0	52	0	0	52	98
10:45 AM	1	2	14	0	17	5	7	0	0	12	2	24	3	0	29	0	50	0	0	50	108
Total	3	10	46	0	59	18	12	2	0	32	13	93	11	0	117	0	201	0	0	201	409
Approach %	5.1	16.9	78.0	-	-	56.3	37.5	6.3	-	-	11.1	79.5	9.4	-	-	0.0	100.0	0.0	-	-	-
Total %	0.7	2.4	11.2	-	14.4	4.4	2.9	0.5	-	7.8	3.2	22.7	2.7	-	28.6	0.0	49.1	0.0	-	49.1	-
PHF	0.750	0.625	0.821	-	0.819	0.750	0.429	0.250	-	0.667	0.650	0.894	0.688	-	0.886	0.000	0.866	0.000	-	0.866	0.867
Lights	3	10	46	-	59	18	12	2	-	32	13	92	11	-	116	0	200	0	-	200	407
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	98.9	100.0	-	99.1	-	99.5	-	-	99.5	99.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	1	0	-	1	2
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	1.1	0.0	-	0.9	-	0.5	-	-	0.5	0.5

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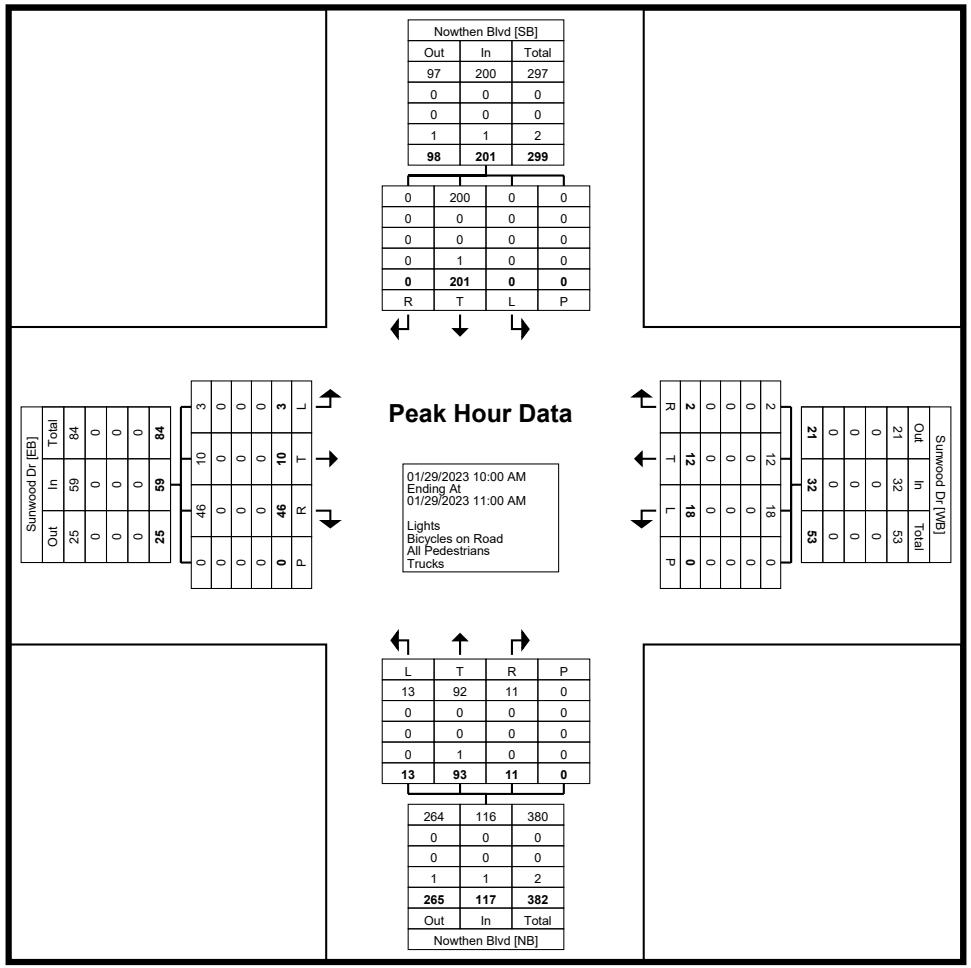
Site Code:
Start Date: 01/29/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

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Warrenville, Illinois, United States 60555
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Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

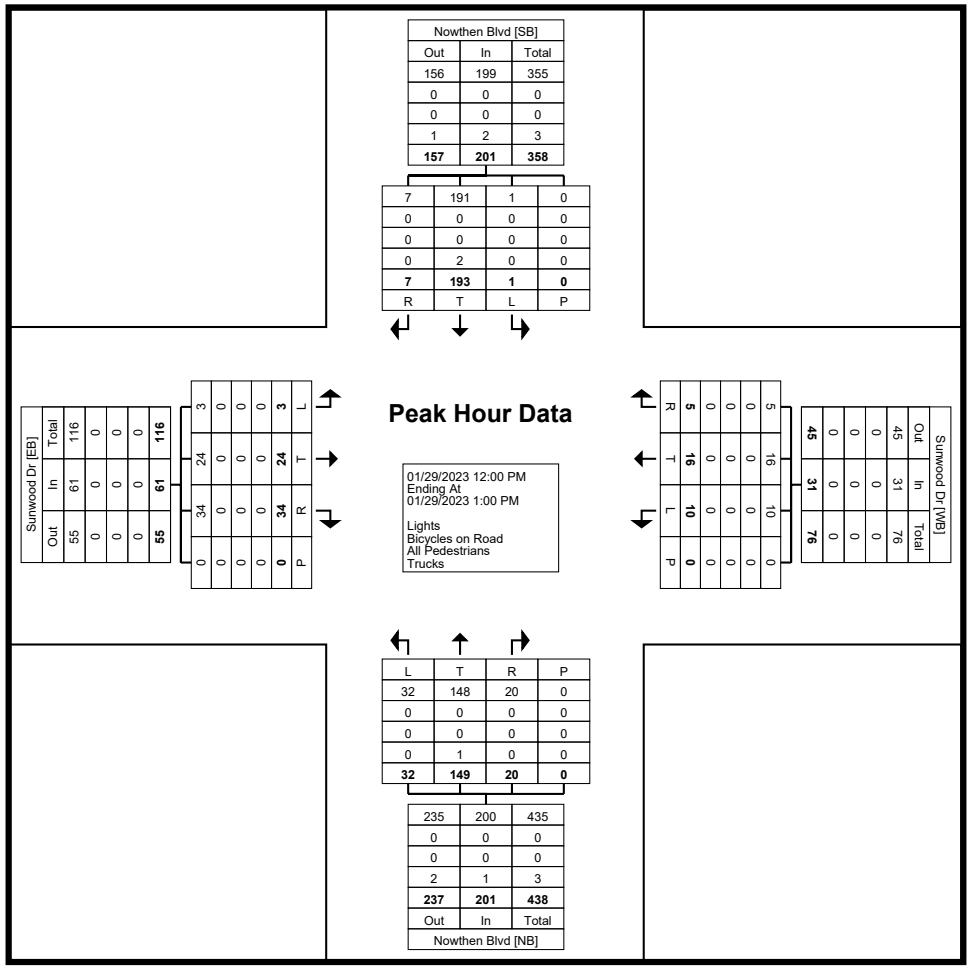
Turning Movement Peak Hour Data (12:00 PM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
12:00 PM	1	3	10	0	14	4	6	1	0	11	11	30	5	0	46	0	41	3	0	44	115
12:15 PM	0	7	10	0	17	1	4	1	0	6	5	35	4	0	44	0	63	2	0	65	132
12:30 PM	1	7	7	0	15	4	1	2	0	7	7	44	4	0	55	0	50	1	0	51	128
12:45 PM	1	7	7	0	15	1	5	1	0	7	9	40	7	0	56	1	39	1	0	41	119
Total	3	24	34	0	61	10	16	5	0	31	32	149	20	0	201	1	193	7	0	201	494
Approach %	4.9	39.3	55.7	-	-	32.3	51.6	16.1	-	-	15.9	74.1	10.0	-	-	0.5	96.0	3.5	-	-	-
Total %	0.6	4.9	6.9	-	12.3	2.0	3.2	1.0	-	6.3	6.5	30.2	4.0	-	40.7	0.2	39.1	1.4	-	40.7	-
PHF	0.750	0.857	0.850	-	0.897	0.625	0.667	0.625	-	0.705	0.727	0.847	0.714	-	0.897	0.250	0.766	0.583	-	0.773	0.936
Lights	3	24	34	-	61	10	16	5	-	31	32	148	20	-	200	1	191	7	-	199	491
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	99.3	100.0	-	99.5	100.0	99.0	100.0	-	99.0	99.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	2	0	-	2	3
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.7	0.0	-	0.5	0.0	1.0	0.0	-	1.0	0.6

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023



Turning Movement Peak Hour Data Plot (12:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

Turning Movement Peak Hour Data (7:30 AM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:30 AM	3	1	6	0	10	12	6	0	0	18	3	31	3	0	37	2	108	6	0	116	181
7:45 AM	3	6	17	0	26	6	6	3	0	15	3	34	0	0	37	0	126	5	0	131	209
8:00 AM	6	2	21	0	29	9	3	1	0	13	4	46	5	0	55	3	140	3	0	146	243
8:15 AM	4	3	14	0	21	7	6	1	0	14	3	56	2	0	61	2	100	4	0	106	202
Total	16	12	58	0	86	34	21	5	0	60	13	167	10	0	190	7	474	18	0	499	835
Approach %	18.6	14.0	67.4	-	-	56.7	35.0	8.3	-	-	6.8	87.9	5.3	-	-	1.4	95.0	3.6	-	-	-
Total %	1.9	1.4	6.9	-	10.3	4.1	2.5	0.6	-	7.2	1.6	20.0	1.2	-	22.8	0.8	56.8	2.2	-	59.8	-
PHF	0.667	0.500	0.690	-	0.741	0.708	0.875	0.417	-	0.833	0.813	0.746	0.500	-	0.779	0.583	0.846	0.750	-	0.854	0.859
Lights	16	9	56	-	81	34	19	4	-	57	12	164	9	-	185	7	466	17	-	490	813
% Lights	100.0	75.0	96.6	-	94.2	100.0	90.5	80.0	-	95.0	92.3	98.2	90.0	-	97.4	100.0	98.3	94.4	-	98.2	97.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	3	2	-	5	0	2	1	-	3	1	3	1	-	5	0	8	1	-	9	22
% Trucks	0.0	25.0	3.4	-	5.8	0.0	9.5	20.0	-	5.0	7.7	1.8	10.0	-	2.6	0.0	1.7	5.6	-	1.8	2.6

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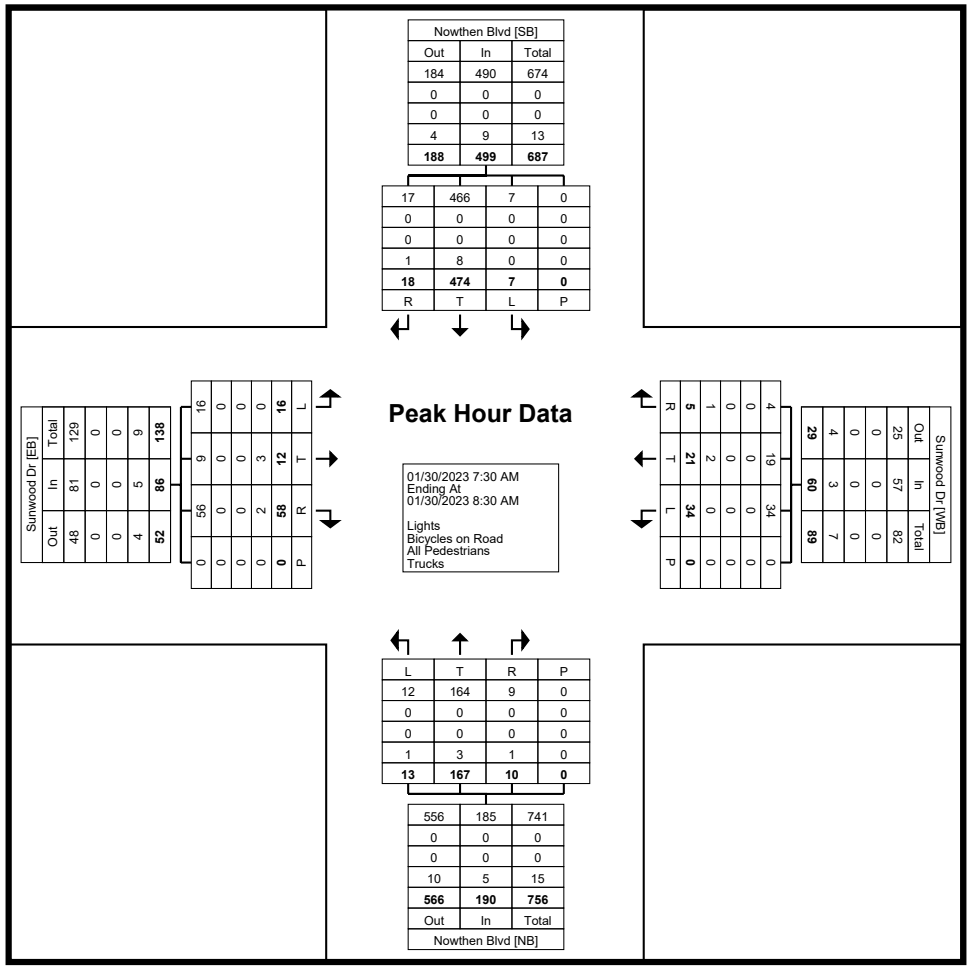
Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023



Turning Movement Peak Hour Data Plot (7:30 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	6	5	6	0	17	2	5	4	0	11	21	84	12	0	117	11	120	37	0	168	313
4:15 PM	2	1	14	0	17	3	4	0	0	7	15	60	5	0	80	2	71	5	0	78	182
4:30 PM	4	7	15	0	26	8	6	1	0	15	24	82	6	0	112	3	77	3	0	83	236
4:45 PM	2	11	6	0	19	8	7	2	0	17	14	84	4	0	102	0	62	3	0	65	203
Total	14	24	41	0	79	21	22	7	0	50	74	310	27	0	411	16	330	48	0	394	934
Approach %	17.7	30.4	51.9	-	-	42.0	44.0	14.0	-	-	18.0	75.4	6.6	-	-	4.1	83.8	12.2	-	-	-
Total %	1.5	2.6	4.4	-	8.5	2.2	2.4	0.7	-	5.4	7.9	33.2	2.9	-	44.0	1.7	35.3	5.1	-	42.2	-
PHF	0.583	0.545	0.683	-	0.760	0.656	0.786	0.438	-	0.735	0.771	0.923	0.563	-	0.878	0.364	0.688	0.324	-	0.586	0.746
Lights	14	24	39	-	77	19	22	7	-	48	74	307	27	-	408	13	320	40	-	373	906
% Lights	100.0	100.0	95.1	-	97.5	90.5	100.0	100.0	-	96.0	100.0	99.0	100.0	-	99.3	81.3	97.0	83.3	-	94.7	97.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	2	-	2	2	0	0	-	2	0	3	0	-	3	3	10	8	-	21	28
% Trucks	0.0	0.0	4.9	-	2.5	9.5	0.0	0.0	-	4.0	0.0	1.0	0.0	-	0.7	18.8	3.0	16.7	-	5.3	3.0

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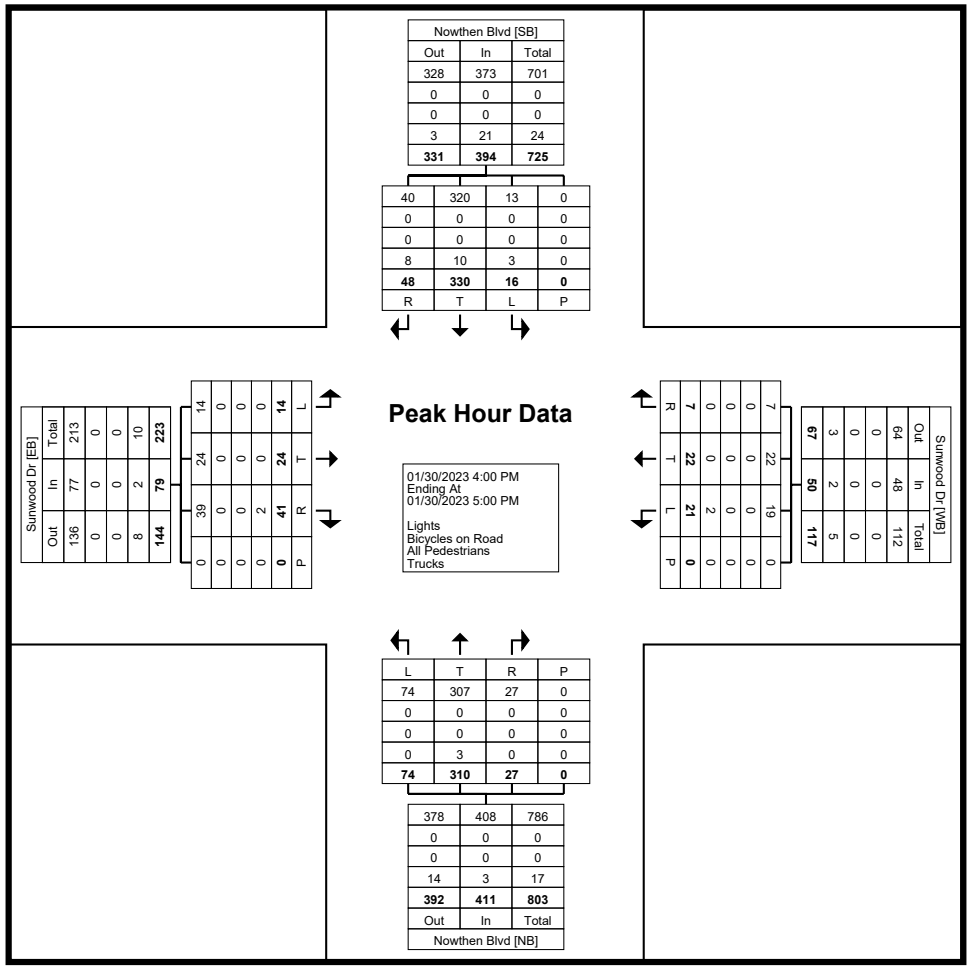
Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023



Turning Movement Peak Hour Data Plot (4:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
7:00 AM	0	0	0	0	15	0	0	15	0	222	0	222	237
7:15 AM	0	0	0	0	34	0	0	34	0	209	0	209	243
7:30 AM	0	1	0	1	51	0	0	51	0	145	0	145	197
7:45 AM	0	0	0	0	38	0	0	38	0	148	0	148	186
Hourly Total	0	1	0	1	138	0	0	138	0	724	0	724	863
8:00 AM	3	0	0	3	53	0	0	53	0	111	0	111	167
8:15 AM	1	0	0	1	52	0	0	52	0	102	0	102	155
8:30 AM	0	2	1	2	33	0	0	33	0	87	0	87	122
8:45 AM	2	1	0	3	39	0	0	39	0	94	0	94	136
Hourly Total	6	3	1	9	177	0	0	177	0	394	0	394	580
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	2	1	0	3	84	0	0	84	0	127	0	127	214
4:15 PM	0	0	0	0	113	0	0	113	0	88	0	88	201
4:30 PM	2	0	1	2	123	0	0	123	0	75	0	75	200
4:45 PM	0	1	0	1	99	0	0	99	0	98	0	98	198
Hourly Total	4	2	1	6	419	0	0	419	0	388	0	388	813
5:00 PM	1	2	0	3	124	0	0	124	0	94	0	94	221
5:15 PM	8	5	0	13	85	0	0	85	0	101	0	101	199
5:30 PM	15	11	0	26	80	0	0	80	0	83	0	83	189
5:45 PM	1	0	0	1	120	0	0	120	0	71	0	71	192
Hourly Total	25	18	0	43	409	0	0	409	0	349	0	349	801
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	4	6	0	10	24	0	0	24	0	59	0	59	93
10:15 AM	4	3	0	7	29	0	0	29	0	85	0	85	121
10:30 AM	1	0	0	1	28	0	0	28	0	68	0	68	97
10:45 AM	5	1	0	6	29	0	0	29	0	75	0	75	110
Hourly Total	14	10	0	24	110	0	0	110	0	287	0	287	421
11:00 AM	1	0	0	1	30	0	0	30	0	40	0	40	71
11:15 AM	3	1	0	4	41	0	0	41	0	56	0	56	101
11:30 AM	0	0	0	0	46	0	0	46	0	58	0	58	104
11:45 AM	9	6	0	15	41	0	0	41	0	85	0	85	141
Hourly Total	13	7	0	20	158	0	0	158	0	239	0	239	417

12:00 PM	6	1	0	7	47	0	0	47	0	60	0	60	114
12:15 PM	1	1	0	2	49	0	0	49	0	80	0	80	131
12:30 PM	1	2	0	3	58	0	0	58	0	64	0	64	125
12:45 PM	0	1	0	1	61	0	0	61	0	51	0	51	113
Hourly Total	8	5	0	13	215	0	0	215	0	255	0	255	483
1:00 PM	1	0	0	1	36	0	0	36	0	55	0	55	92
1:15 PM	14	10	0	24	57	0	0	57	0	75	0	75	156
1:30 PM	6	3	0	9	64	0	0	64	0	51	0	51	124
1:45 PM	2	3	0	5	54	0	0	54	0	54	0	54	113
Hourly Total	23	16	0	39	211	0	0	211	0	235	0	235	485
Grand Total	93	62	2	155	1837	0	0	1837	0	2871	0	2871	4863
Approach %	60.0	40.0	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	1.9	1.3	-	3.2	37.8	0.0	-	37.8	0.0	59.0	-	59.0	-
Lights	93	61	-	154	1807	0	-	1807	0	2825	-	2825	4786
% Lights	100.0	98.4	-	99.4	98.4	-	-	98.4	-	98.4	-	98.4	98.4
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	2	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	100.0	-	-	-	-	-	-	-	-	-	-
Trucks	0	1	-	1	30	0	-	30	0	46	-	46	77
% Trucks	0.0	1.6	-	0.6	1.6	-	-	1.6	-	1.6	-	1.6	1.6

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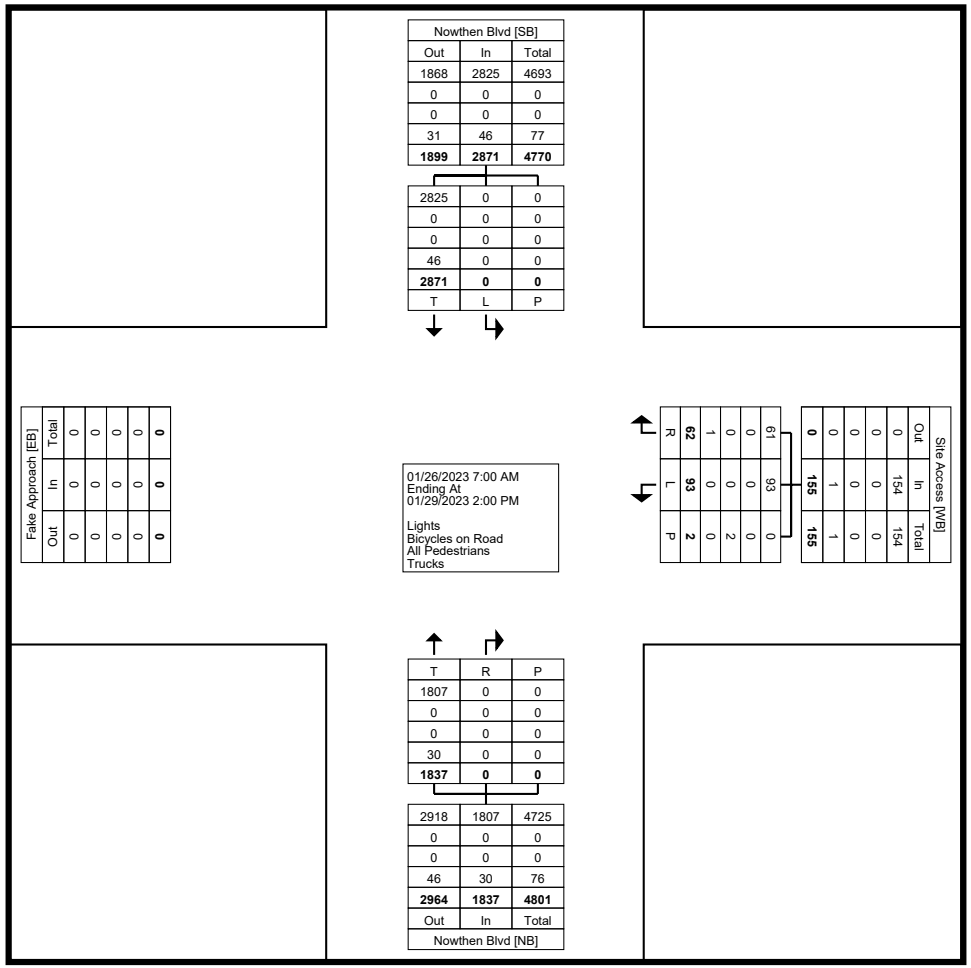
Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

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Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
7:00 AM	0	0	0	0	15	0	0	15	0	222	0	222	237
7:15 AM	0	0	0	0	34	0	0	34	0	209	0	209	243
7:30 AM	0	1	0	1	51	0	0	51	0	145	0	145	197
7:45 AM	0	0	0	0	38	0	0	38	0	148	0	148	186
Total	0	1	0	1	138	0	0	138	0	724	0	724	863
Approach %	0.0	100.0	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	0.0	0.1	-	0.1	16.0	0.0	-	16.0	0.0	83.9	-	83.9	-
PHF	0.000	0.250	-	0.250	0.676	0.000	-	0.676	0.000	0.815	-	0.815	0.888
Lights	0	0	-	0	127	0	-	127	0	710	-	710	837
% Lights	-	0.0	-	0.0	92.0	-	-	92.0	-	98.1	-	98.1	97.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	-	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	1	-	1	11	0	-	11	0	14	-	14	26
% Trucks	-	100.0	-	100.0	8.0	-	-	8.0	-	1.9	-	1.9	3.0

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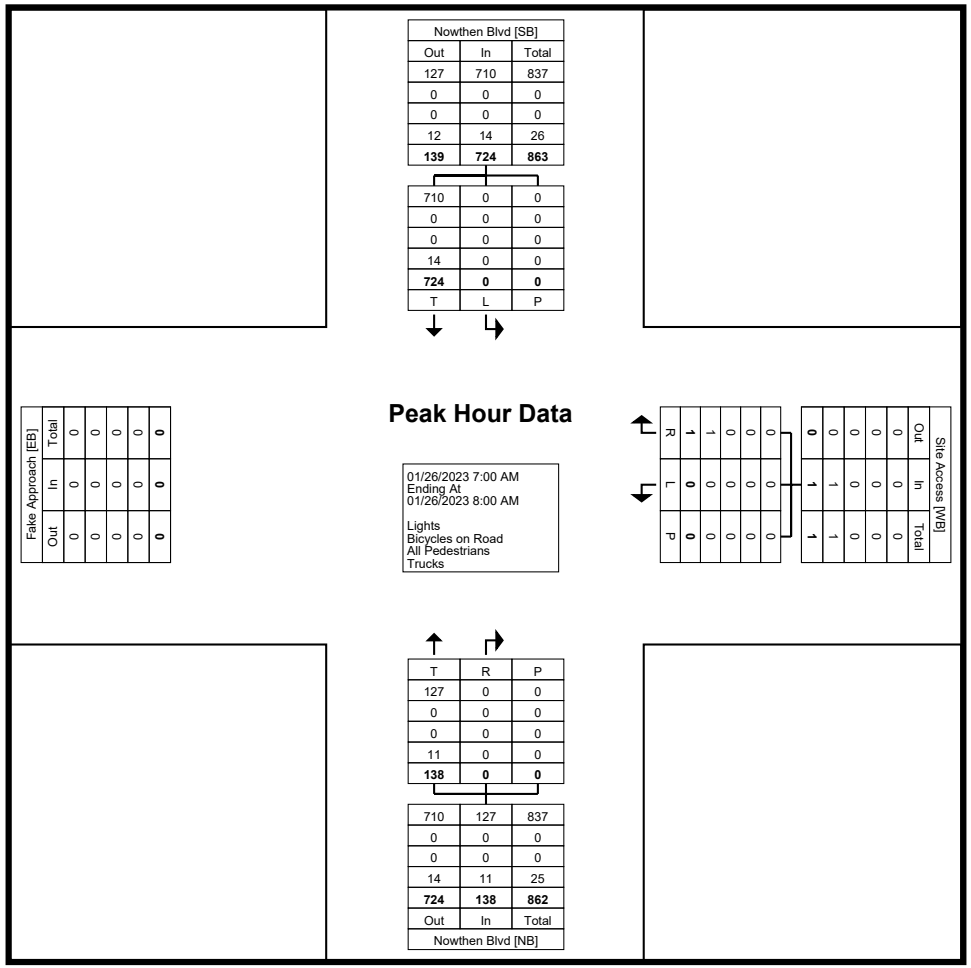
Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

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Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:15 PM)

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
4:15 PM	0	0	0	0	113	0	0	113	0	88	0	88	201
4:30 PM	2	0	1	2	123	0	0	123	0	75	0	75	200
4:45 PM	0	1	0	1	99	0	0	99	0	98	0	98	198
5:00 PM	1	2	0	3	124	0	0	124	0	94	0	94	221
Total	3	3	1	6	459	0	0	459	0	355	0	355	820
Approach %	50.0	50.0	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	0.4	0.4	-	0.7	56.0	0.0	-	56.0	0.0	43.3	-	43.3	-
PHF	0.375	0.375	-	0.500	0.925	0.000	-	0.925	0.000	0.906	-	0.906	0.928
Lights	3	3	-	6	453	0	-	453	0	343	-	343	802
% Lights	100.0	100.0	-	100.0	98.7	-	-	98.7	-	96.6	-	96.6	97.8
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	1	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	100.0	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	-	0	6	0	-	6	0	12	-	12	18
% Trucks	0.0	0.0	-	0.0	1.3	-	-	1.3	-	3.4	-	3.4	2.2

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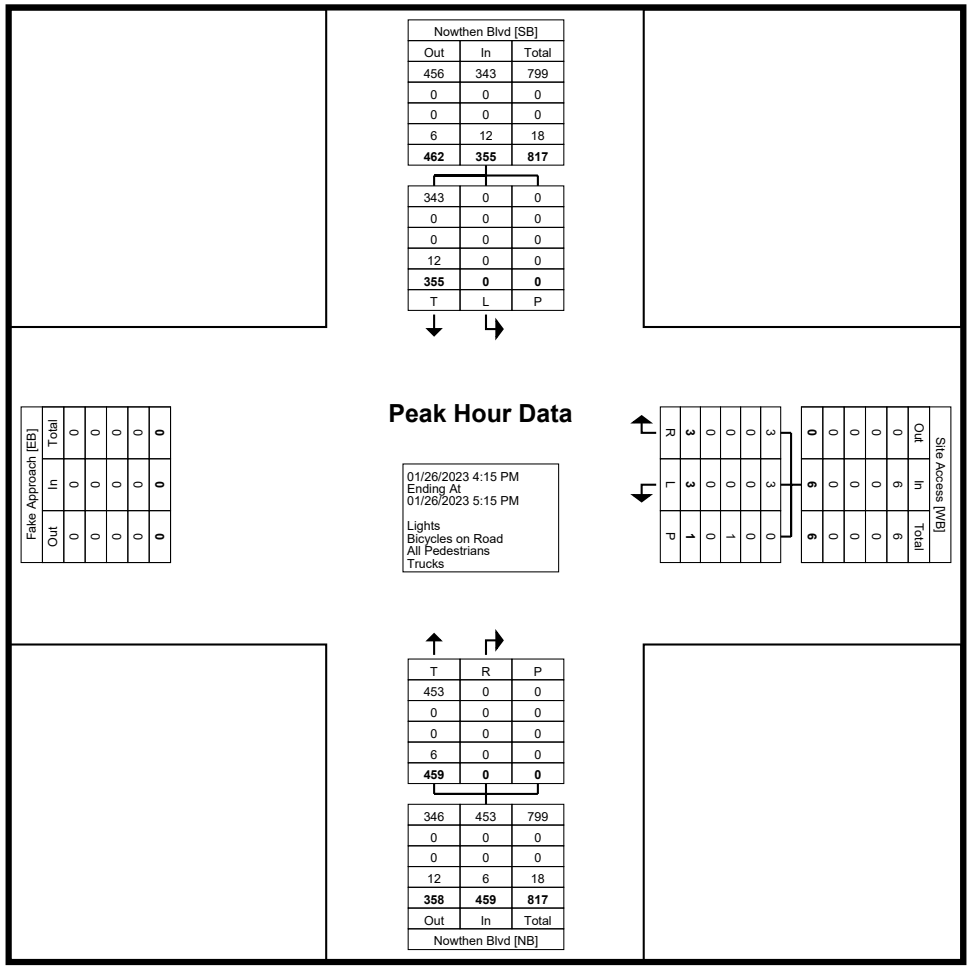
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:15 PM)

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Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

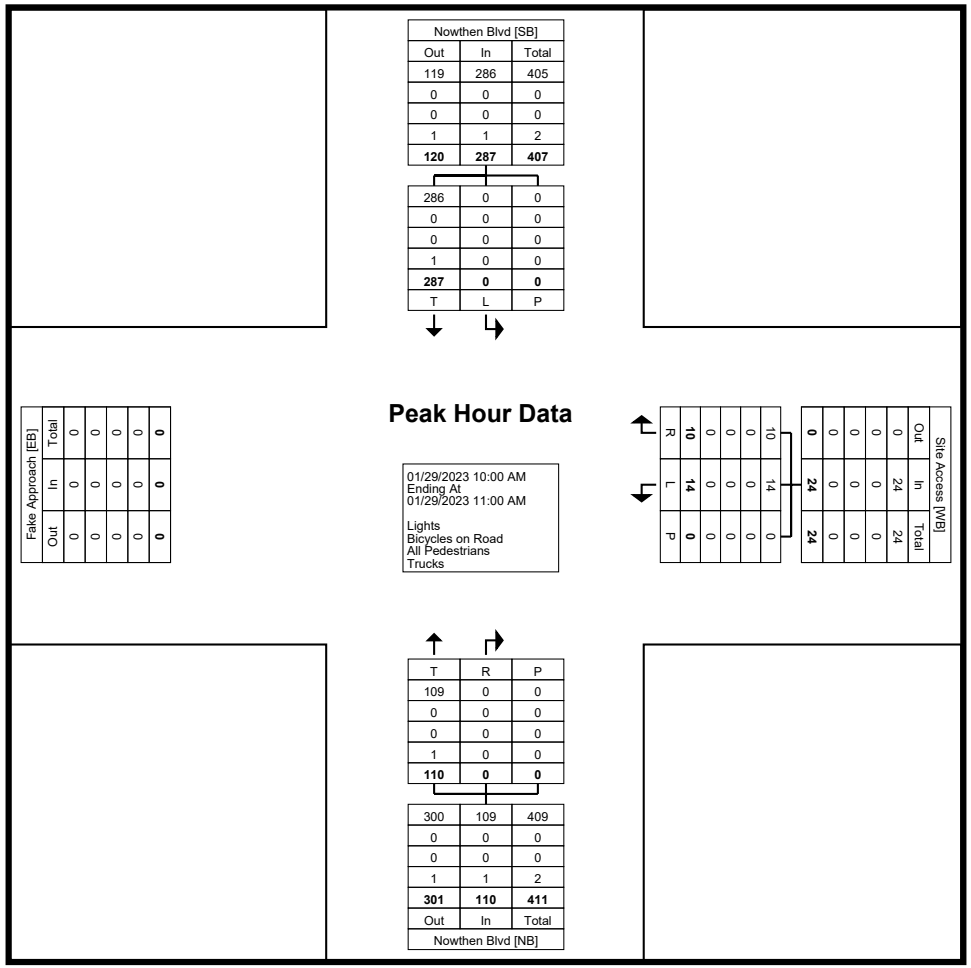
Turning Movement Peak Hour Data (10:00 AM)

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
10:00 AM	4	6	0	10	24	0	0	24	0	59	0	59	93
10:15 AM	4	3	0	7	29	0	0	29	0	85	0	85	121
10:30 AM	1	0	0	1	28	0	0	28	0	68	0	68	97
10:45 AM	5	1	0	6	29	0	0	29	0	75	0	75	110
Total	14	10	0	24	110	0	0	110	0	287	0	287	421
Approach %	58.3	41.7	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	3.3	2.4	-	5.7	26.1	0.0	-	26.1	0.0	68.2	-	68.2	-
PHF	0.700	0.417	-	0.600	0.948	0.000	-	0.948	0.000	0.844	-	0.844	0.870
Lights	14	10	-	24	109	0	-	109	0	286	-	286	419
% Lights	100.0	100.0	-	100.0	99.1	-	-	99.1	-	99.7	-	99.7	99.5
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	-	0	1	0	-	1	0	1	-	1	2
% Trucks	0.0	0.0	-	0.0	0.9	-	-	0.9	-	0.3	-	0.3	0.5

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

Kimley-Horn and Associates, Inc.
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Warrenville, Illinois, United States 60555
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Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (12:30 PM)

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
12:30 PM	1	2	0	3	58	0	0	58	0	64	0	64	125
12:45 PM	0	1	0	1	61	0	0	61	0	51	0	51	113
1:00 PM	1	0	0	1	36	0	0	36	0	55	0	55	92
1:15 PM	14	10	0	24	57	0	0	57	0	75	0	75	156
Total	16	13	0	29	212	0	0	212	0	245	0	245	486
Approach %	55.2	44.8	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	3.3	2.7	-	6.0	43.6	0.0	-	43.6	0.0	50.4	-	50.4	-
PHF	0.286	0.325	-	0.302	0.869	0.000	-	0.869	0.000	0.817	-	0.817	0.779
Lights	16	13	-	29	211	0	-	211	0	243	-	243	483
% Lights	100.0	100.0	-	100.0	99.5	-	-	99.5	-	99.2	-	99.2	99.4
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	-	0	1	0	-	1	0	2	-	2	3
% Trucks	0.0	0.0	-	0.0	0.5	-	-	0.5	-	0.8	-	0.8	0.6

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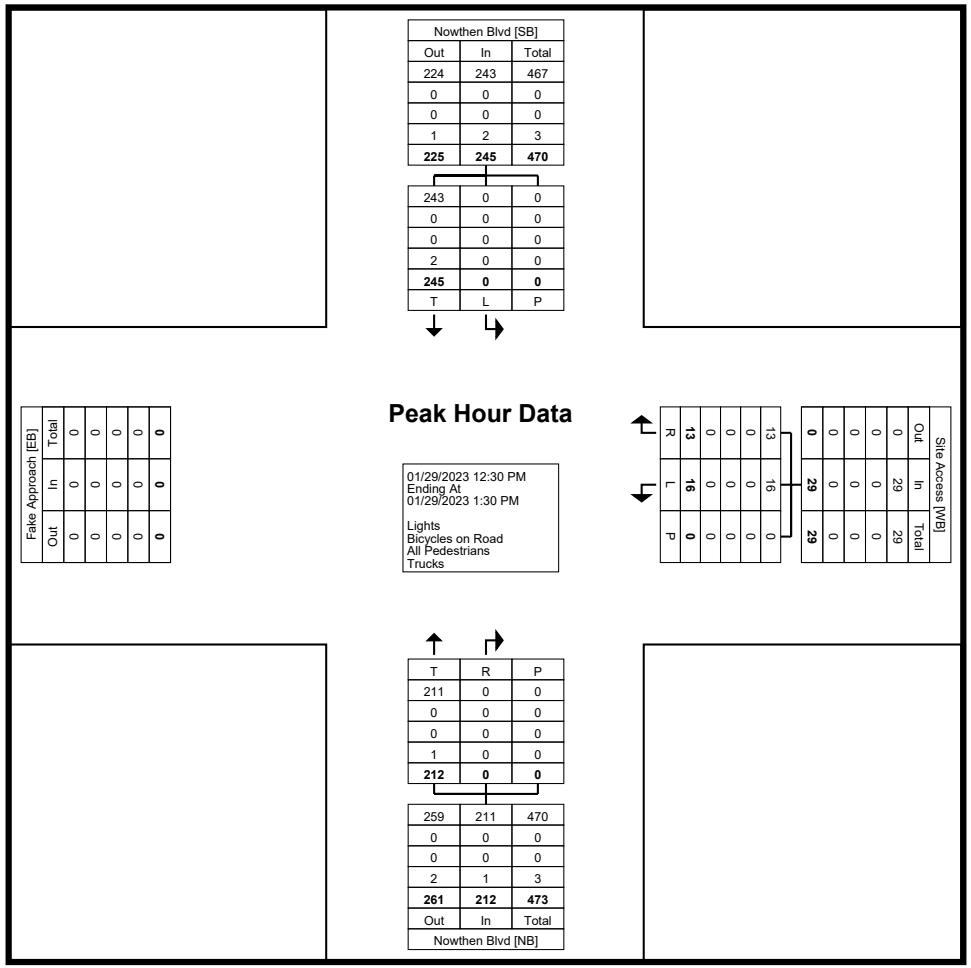
Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (12:30 PM)

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Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	3	9	174	0	186	31	2	2	0	35	13	20	2	0	35	4	147	1	0	152	408
7:15 AM	2	9	194	0	205	40	6	3	0	49	32	53	6	0	91	3	116	10	0	129	474
7:30 AM	4	4	119	0	127	28	10	2	0	40	43	37	5	0	85	8	146	4	0	158	410
7:45 AM	2	8	131	0	141	19	3	2	0	24	28	38	3	0	69	5	141	13	0	159	393
Hourly Total	11	30	618	0	659	118	21	9	0	148	116	148	16	0	280	20	550	28	0	598	1685
8:00 AM	3	12	93	0	108	13	6	4	0	23	48	52	8	0	108	1	126	9	0	136	375
8:15 AM	2	10	92	0	104	10	6	1	0	17	42	53	8	0	103	4	104	8	0	116	340
8:30 AM	4	2	83	0	89	13	6	3	0	22	33	48	4	0	85	6	106	2	0	114	310
8:45 AM	2	7	83	0	92	14	5	0	0	19	37	42	3	0	82	8	86	7	0	101	294
Hourly Total	11	31	351	0	393	50	23	8	0	81	160	195	23	0	378	19	422	26	0	467	1319
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	15	12	107	0	134	11	16	8	0	35	83	188	13	2	284	4	80	1	0	85	538
4:15 PM	12	11	73	0	96	14	11	7	0	32	90	173	5	0	268	5	86	0	0	91	487
4:30 PM	25	14	82	0	121	18	13	10	0	41	94	132	10	0	236	6	90	6	0	102	500
4:45 PM	12	12	88	0	112	12	13	15	1	40	85	155	10	0	250	0	88	1	1	89	491
Hourly Total	64	49	350	0	463	55	53	40	1	148	352	648	38	2	1038	15	344	8	1	367	2016
5:00 PM	13	5	84	0	102	16	21	9	0	46	110	165	20	1	295	4	71	5	0	80	523
5:15 PM	4	8	105	0	117	8	14	11	0	33	87	193	9	0	289	1	102	4	0	107	546
5:30 PM	11	6	103	0	120	18	9	10	0	37	86	147	12	0	245	5	77	5	0	87	489
5:45 PM	8	9	67	0	84	14	9	6	0	29	104	151	5	0	260	5	90	3	0	98	471
Hourly Total	36	28	359	0	423	56	53	36	0	145	387	656	46	1	1089	15	340	17	0	372	2029
6:00 PM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
10:00 AM	4	6	66	0	76	10	3	5	0	18	20	50	4	0	74	3	85	0	0	88	256
10:15 AM	8	6	70	0	84	14	5	0	0	19	24	47	2	0	73	3	100	4	0	107	283
10:30 AM	2	7	67	0	76	10	2	1	0	13	32	45	6	0	83	6	90	7	0	103	275
10:45 AM	2	6	71	0	79	18	6	5	0	29	31	68	6	0	105	7	97	2	0	106	319
Hourly Total	16	25	274	0	315	52	16	11	0	79	107	210	18	0	335	19	372	13	0	404	1133
11:00 AM	2	4	46	0	52	13	4	3	0	20	29	63	3	0	95	4	77	1	0	82	249
11:15 AM	3	5	47	0	55	16	9	3	0	28	40	68	5	0	113	5	74	4	0	83	279
11:30 AM	4	5	61	0	70	13	4	1	0	18	36	79	3	0	118	8	113	5	0	126	332
11:45 AM	2	12	78	0	92	11	4	0	0	15	41	90	7	0	138	9	93	2	0	104	349
Hourly Total	11	26	232	0	269	53	21	7	0	81	146	300	18	0	464	26	357	12	0	395	1209

12:00 PM	4	7	58	0	69	22	3	7	0	32	37	86	9	0	132	5	112	5	0	122	355
12:15 PM	4	11	76	0	91	15	9	1	0	25	49	84	3	0	136	5	113	3	0	121	373
12:30 PM	3	13	59	0	75	11	3	3	0	17	54	99	6	0	159	7	101	2	0	110	361
12:45 PM	2	4	57	0	63	12	14	5	0	31	60	96	6	0	162	3	75	3	0	81	337
Hourly Total	13	35	250	0	298	60	29	16	0	105	200	365	24	0	589	20	401	13	0	434	1426
1:00 PM	3	7	62	0	72	4	1	4	0	9	34	112	3	0	149	9	90	1	0	100	330
1:15 PM	5	16	71	0	92	12	7	1	0	20	56	106	8	0	170	2	75	0	0	77	359
1:30 PM	2	7	62	0	71	15	13	1	0	29	56	121	13	0	190	4	84	0	0	88	378
1:45 PM	7	7	60	0	74	11	8	5	0	24	61	128	8	0	197	4	83	3	0	90	385
Hourly Total	17	37	255	0	309	42	29	11	0	82	207	467	32	0	706	19	332	4	0	355	1452
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	179	261	2690	0	3130	486	245	138	1	869	1675	2990	215	3	4880	153	3118	121	1	3392	12271
Approach %	5.7	8.3	85.9	-	-	55.9	28.2	15.9	-	-	34.3	61.3	4.4	-	-	4.5	91.9	3.6	-	-	-
Total %	1.5	2.1	21.9	-	25.5	4.0	2.0	1.1	-	7.1	13.7	24.4	1.8	-	39.8	1.2	25.4	1.0	-	27.6	-
Lights	176	257	2654	-	3087	482	242	135	-	859	1650	2951	211	-	4812	152	3063	119	-	3334	12092
% Lights	98.3	98.5	98.7	-	98.6	99.2	98.8	97.8	-	98.8	98.5	98.7	98.1	-	98.6	99.3	98.2	98.3	-	98.3	98.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	1	-	-	-	-	3	-	-	-	-	1	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	100.0	-	-
Trucks	3	4	36	-	43	4	3	3	-	10	25	39	4	-	68	1	55	2	-	58	179
% Trucks	1.7	1.5	1.3	-	1.4	0.8	1.2	2.2	-	1.2	1.5	1.3	1.9	-	1.4	0.7	1.8	1.7	-	1.7	1.5

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

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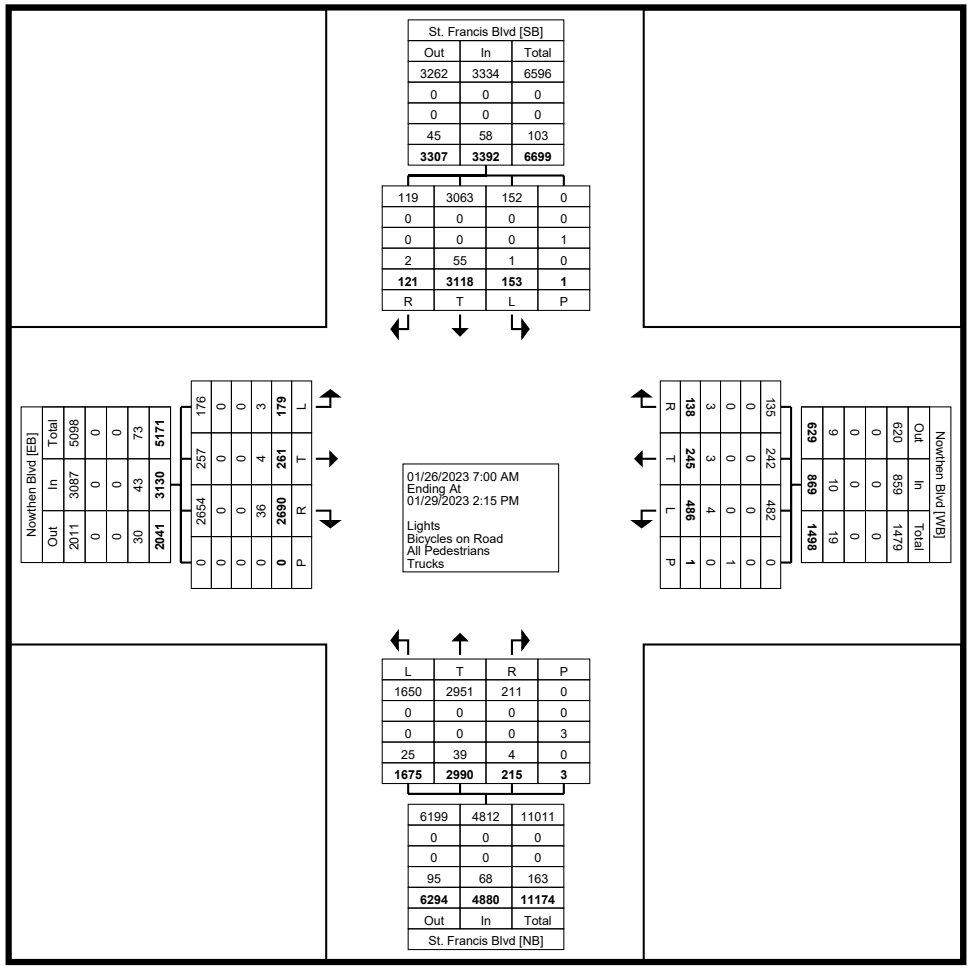
Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

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Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	3	9	174	0	186	31	2	2	0	35	13	20	2	0	35	4	147	1	0	152	408
7:15 AM	2	9	194	0	205	40	6	3	0	49	32	53	6	0	91	3	116	10	0	129	474
7:30 AM	4	4	119	0	127	28	10	2	0	40	43	37	5	0	85	8	146	4	0	158	410
7:45 AM	2	8	131	0	141	19	3	2	0	24	28	38	3	0	69	5	141	13	0	159	393
Total	11	30	618	0	659	118	21	9	0	148	116	148	16	0	280	20	550	28	0	598	1685
Approach %	1.7	4.6	93.8	-	-	79.7	14.2	6.1	-	-	41.4	52.9	5.7	-	-	3.3	92.0	4.7	-	-	-
Total %	0.7	1.8	36.7	-	39.1	7.0	1.2	0.5	-	8.8	6.9	8.8	0.9	-	16.6	1.2	32.6	1.7	-	35.5	-
PHF	0.688	0.833	0.796	-	0.804	0.738	0.525	0.750	-	0.755	0.674	0.698	0.667	-	0.769	0.625	0.935	0.538	-	0.940	0.889
Lights	10	29	606	-	645	118	21	9	-	148	107	140	15	-	262	20	531	28	-	579	1634
% Lights	90.9	96.7	98.1	-	97.9	100.0	100.0	100.0	-	100.0	92.2	94.6	93.8	-	93.6	100.0	96.5	100.0	-	96.8	97.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	1	1	12	-	14	0	0	0	-	0	9	8	1	-	18	0	19	0	-	19	51
% Trucks	9.1	3.3	1.9	-	2.1	0.0	0.0	0.0	-	0.0	7.8	5.4	6.3	-	6.4	0.0	3.5	0.0	-	3.2	3.0

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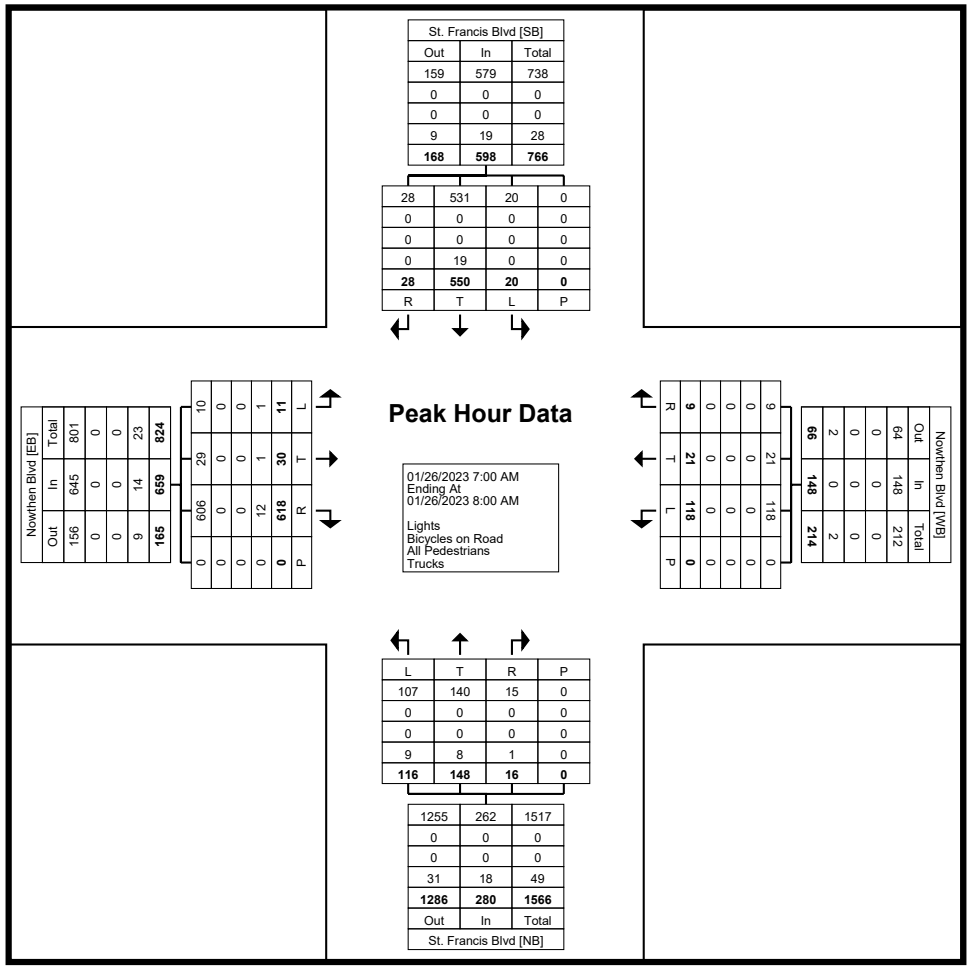
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

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Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:30 PM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:30 PM	25	14	82	0	121	18	13	10	0	41	94	132	10	0	236	6	90	6	0	102	500
4:45 PM	12	12	88	0	112	12	13	15	1	40	85	155	10	0	250	0	88	1	1	89	491
5:00 PM	13	5	84	0	102	16	21	9	0	46	110	165	20	1	295	4	71	5	0	80	523
5:15 PM	4	8	105	0	117	8	14	11	0	33	87	193	9	0	289	1	102	4	0	107	546
Total	54	39	359	0	452	54	61	45	1	160	376	645	49	1	1070	11	351	16	1	378	2060
Approach %	11.9	8.6	79.4	-	-	33.8	38.1	28.1	-	-	35.1	60.3	4.6	-	-	2.9	92.9	4.2	-	-	-
Total %	2.6	1.9	17.4	-	21.9	2.6	3.0	2.2	-	7.8	18.3	31.3	2.4	-	51.9	0.5	17.0	0.8	-	18.3	-
PHF	0.540	0.696	0.855	-	0.934	0.750	0.726	0.750	-	0.870	0.855	0.835	0.613	-	0.907	0.458	0.860	0.667	-	0.883	0.943
Lights	54	38	349	-	441	53	60	45	-	158	374	639	49	-	1062	10	343	15	-	368	2029
% Lights	100.0	97.4	97.2	-	97.6	98.1	98.4	100.0	-	98.8	99.5	99.1	100.0	-	99.3	90.9	97.7	93.8	-	97.4	98.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	100.0	-	-
Trucks	0	1	10	-	11	1	1	0	-	2	2	6	0	-	8	1	8	1	-	10	31
% Trucks	0.0	2.6	2.8	-	2.4	1.9	1.6	0.0	-	1.3	0.5	0.9	0.0	-	0.7	9.1	2.3	6.3	-	2.6	1.5

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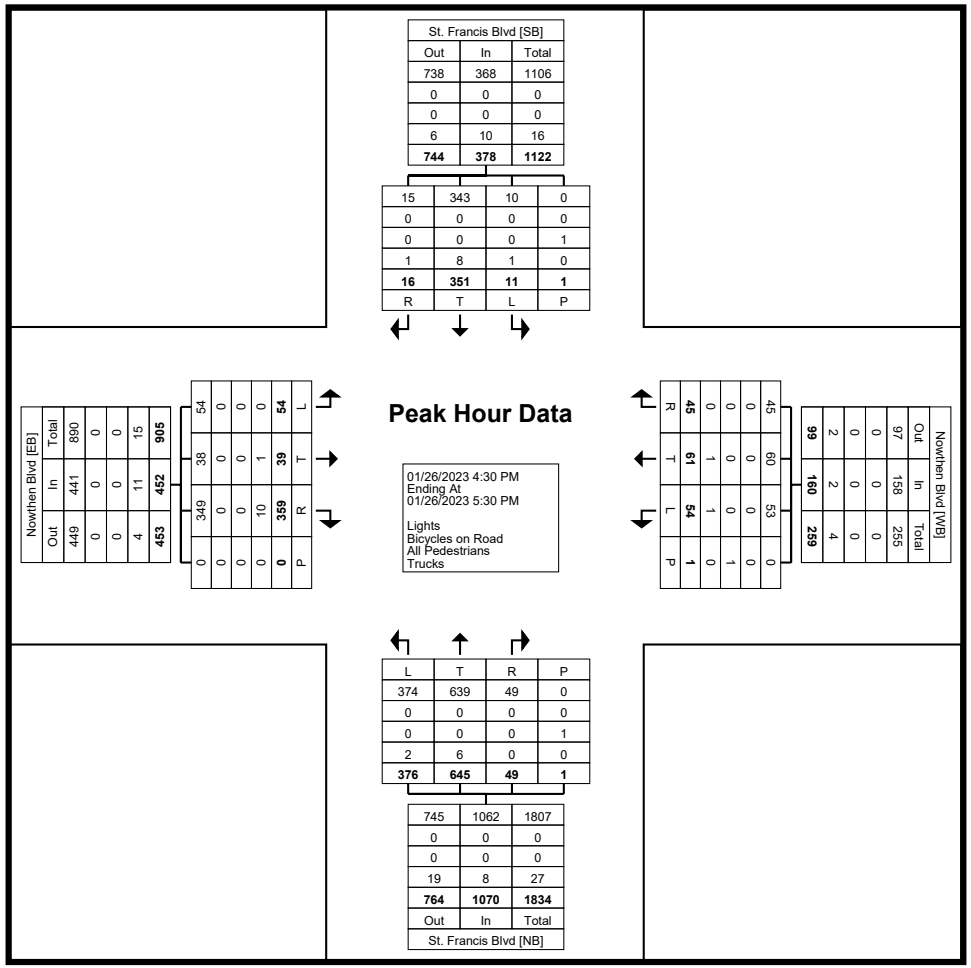
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:30 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (11:00 AM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	2	4	46	0	52	13	4	3	0	20	29	63	3	0	95	4	77	1	0	82	249
11:15 AM	3	5	47	0	55	16	9	3	0	28	40	68	5	0	113	5	74	4	0	83	279
11:30 AM	4	5	61	0	70	13	4	1	0	18	36	79	3	0	118	8	113	5	0	126	332
11:45 AM	2	12	78	0	92	11	4	0	0	15	41	90	7	0	138	9	93	2	0	104	349
Total	11	26	232	0	269	53	21	7	0	81	146	300	18	0	464	26	357	12	0	395	1209
Approach %	4.1	9.7	86.2	-	-	65.4	25.9	8.6	-	-	31.5	64.7	3.9	-	-	6.6	90.4	3.0	-	-	-
Total %	0.9	2.2	19.2	-	22.2	4.4	1.7	0.6	-	6.7	12.1	24.8	1.5	-	38.4	2.2	29.5	1.0	-	32.7	-
PHF	0.688	0.542	0.744	-	0.731	0.828	0.583	0.583	-	0.723	0.890	0.833	0.643	-	0.841	0.722	0.790	0.600	-	0.784	0.866
Lights	11	26	232	-	269	53	21	7	-	81	146	300	18	-	464	26	357	12	-	395	1209
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0

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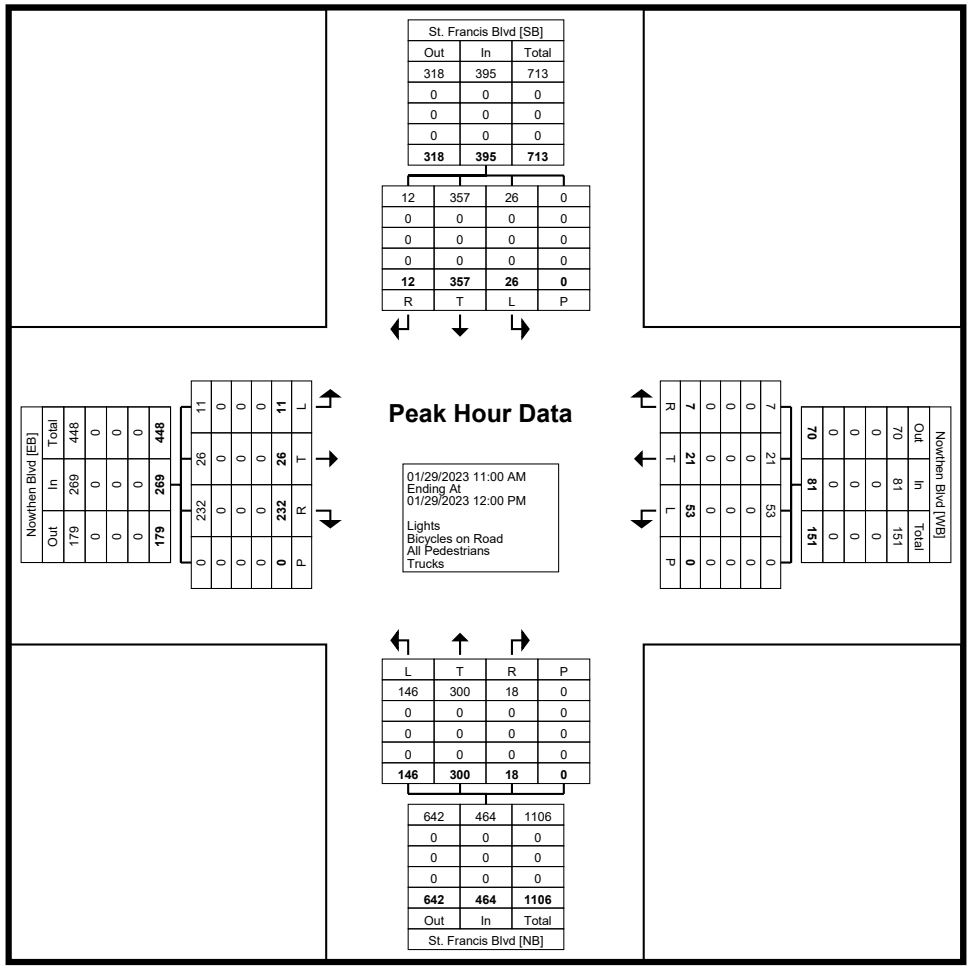
Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (11:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (1:00 PM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
1:00 PM	3	7	62	0	72	4	1	4	0	9	34	112	3	0	149	9	90	1	0	100	330
1:15 PM	5	16	71	0	92	12	7	1	0	20	56	106	8	0	170	2	75	0	0	77	359
1:30 PM	2	7	62	0	71	15	13	1	0	29	56	121	13	0	190	4	84	0	0	88	378
1:45 PM	7	7	60	0	74	11	8	5	0	24	61	128	8	0	197	4	83	3	0	90	385
Total	17	37	255	0	309	42	29	11	0	82	207	467	32	0	706	19	332	4	0	355	1452
Approach %	5.5	12.0	82.5	-	-	51.2	35.4	13.4	-	-	29.3	66.1	4.5	-	-	5.4	93.5	1.1	-	-	-
Total %	1.2	2.5	17.6	-	21.3	2.9	2.0	0.8	-	5.6	14.3	32.2	2.2	-	48.6	1.3	22.9	0.3	-	24.4	-
PHF	0.607	0.578	0.898	-	0.840	0.700	0.558	0.550	-	0.707	0.848	0.912	0.615	-	0.896	0.528	0.922	0.333	-	0.888	0.943
Lights	17	37	255	-	309	42	29	11	-	82	207	465	32	-	704	19	332	4	-	355	1450
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	99.6	100.0	-	99.7	100.0	100.0	100.0	-	100.0	99.9
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	2	0	-	2	0	0	0	-	0	2
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.4	0.0	-	0.3	0.0	0.0	0.0	-	0.0	0.1

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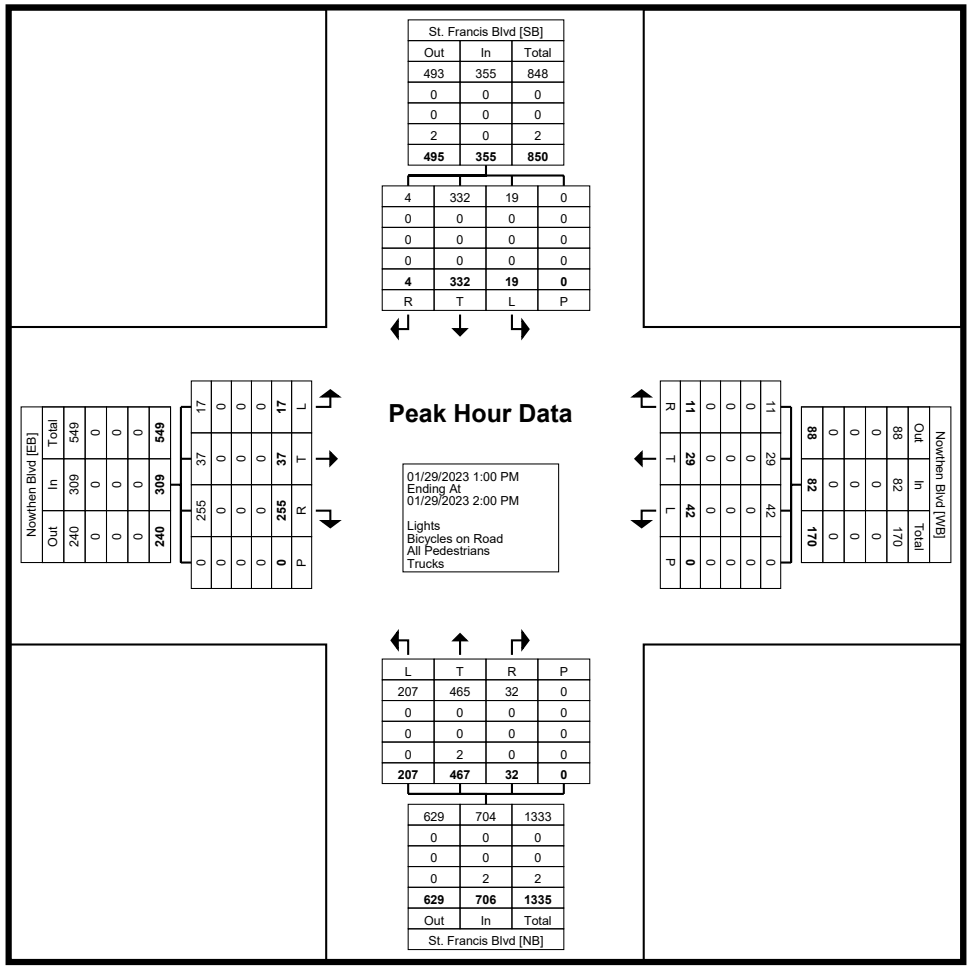
Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (1:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	7	5	3	0	15	6	2	3	0	11	5	184	19	0	208	1	77	1	0	79	313
4:15 PM	3	1	1	0	5	14	2	4	0	20	1	181	24	0	206	3	86	1	0	90	321
4:30 PM	1	2	4	0	7	11	2	1	0	14	4	145	13	0	162	2	81	4	0	87	270
4:45 PM	4	5	3	0	12	12	1	4	0	17	4	169	8	0	181	1	76	2	0	79	289
Hourly Total	15	13	11	0	39	43	7	12	0	62	14	679	64	0	757	7	320	8	0	335	1193
5:00 PM	5	3	0	0	8	4	4	0	0	8	7	166	15	0	188	1	86	3	0	90	294
5:15 PM	8	2	5	0	15	6	0	2	0	8	6	185	18	0	209	1	88	3	0	92	324
5:30 PM	3	2	6	0	11	12	3	1	0	16	2	157	13	0	172	1	74	2	0	77	276
5:45 PM	2	1	4	0	7	10	0	3	0	13	9	139	14	0	162	4	85	2	0	91	273
Hourly Total	18	8	15	0	41	32	7	6	0	45	24	647	60	0	731	7	333	10	0	350	1167
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	3	0	2	0	5	13	0	1	0	14	0	25	1	0	26	2	150	3	0	155	200
7:15 AM	0	1	2	2	3	13	1	0	0	14	2	31	3	0	36	1	110	3	2	114	167
7:30 AM	1	0	3	0	4	8	3	2	0	13	1	43	10	0	54	1	104	0	0	105	176
7:45 AM	0	2	6	0	8	9	4	1	0	14	2	41	3	0	46	1	112	3	0	116	184
Hourly Total	4	3	13	2	20	43	8	4	0	55	5	140	17	0	162	5	476	9	2	490	727
8:00 AM	1	1	7	0	9	13	2	1	0	16	1	46	8	0	55	1	102	3	0	106	186
8:15 AM	1	0	6	0	7	12	0	3	0	15	1	52	3	0	56	0	102	2	0	104	182
8:30 AM	0	1	2	0	3	14	2	0	0	16	1	44	3	0	48	2	85	0	0	87	154
8:45 AM	1	0	6	0	7	12	1	0	0	13	2	40	3	0	45	0	71	0	0	71	136
Hourly Total	3	2	21	0	26	51	5	4	0	60	5	182	17	0	204	3	360	5	0	368	658
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	2	1	1	0	4	9	1	2	0	12	3	53	4	0	60	0	81	1	0	82	158
10:15 AM	3	1	9	0	13	12	1	0	0	13	2	52	3	0	57	0	86	2	0	88	171
10:30 AM	0	2	4	0	6	7	1	3	0	11	3	37	4	0	44	0	93	0	0	93	154
10:45 AM	1	0	3	0	4	9	2	1	0	12	1	69	6	0	76	1	87	5	0	93	185
Hourly Total	6	4	17	0	27	37	5	6	0	48	9	211	17	0	237	1	347	8	0	356	668
11:00 AM	2	0	4	0	6	6	1	0	0	7	2	62	5	0	69	0	73	0	0	73	155
11:15 AM	0	1	3	0	4	8	0	0	0	8	1	70	3	0	74	1	78	3	0	82	168
11:30 AM	1	1	3	0	5	14	1	2	0	17	2	71	10	0	83	1	114	3	0	118	223
11:45 AM	1	2	3	0	6	5	0	0	0	5	2	82	6	0	90	2	94	3	0	99	200
Hourly Total	4	4	13	0	21	33	2	2	0	37	7	285	24	0	316	4	359	9	0	372	746

12:00 PM	0	1	3	0	4	5	0	1	0	6	4	95	2	0	101	2	85	4	0	91	202
12:15 PM	2	2	5	0	9	11	0	2	0	13	4	84	4	0	92	1	111	1	0	113	227
12:30 PM	4	1	1	0	6	6	0	2	0	8	0	97	12	0	109	2	98	1	0	101	224
12:45 PM	3	3	3	0	9	5	1	3	0	9	2	91	13	0	106	0	78	1	0	79	203
Hourly Total	9	7	12	0	28	27	1	8	0	36	10	367	31	0	408	5	372	7	0	384	856
1:00 PM	4	0	4	0	8	6	0	0	0	6	5	101	6	0	112	2	85	1	0	88	214
1:15 PM	3	0	3	0	6	11	2	2	0	15	2	100	9	0	111	1	68	3	0	72	204
1:30 PM	3	3	5	0	11	8	2	1	0	11	5	95	11	0	111	1	73	3	0	77	210
1:45 PM	2	0	0	0	2	14	0	1	0	15	3	115	18	0	136	1	80	2	0	83	236
Hourly Total	12	3	12	0	27	39	4	4	0	47	15	411	44	0	470	5	306	9	0	320	864
Grand Total	71	44	114	2	229	305	39	46	0	390	89	2922	274	0	3285	37	2873	65	2	2975	6879
Approach %	31.0	19.2	49.8	-	-	78.2	10.0	11.8	-	-	2.7	88.9	8.3	-	-	1.2	96.6	2.2	-	-	-
Total %	1.0	0.6	1.7	-	3.3	4.4	0.6	0.7	-	5.7	1.3	42.5	4.0	-	47.8	0.5	41.8	0.9	-	43.2	-
Lights	68	43	106	-	217	296	36	45	-	377	86	2886	272	-	3244	35	2838	62	-	2935	6773
% Lights	95.8	97.7	93.0	-	94.8	97.0	92.3	97.8	-	96.7	96.6	98.8	99.3	-	98.8	94.6	98.8	95.4	-	98.7	98.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	2	-	-	-	-	0	-	-	-	-	0	-	-	-	-	2	-	-
% All Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-
Trucks	3	1	8	-	12	9	3	1	-	13	3	36	2	-	41	2	35	3	-	40	106
% Trucks	4.2	2.3	7.0	-	5.2	3.0	7.7	2.2	-	3.3	3.4	1.2	0.7	-	1.2	5.4	1.2	4.6	-	1.3	1.5

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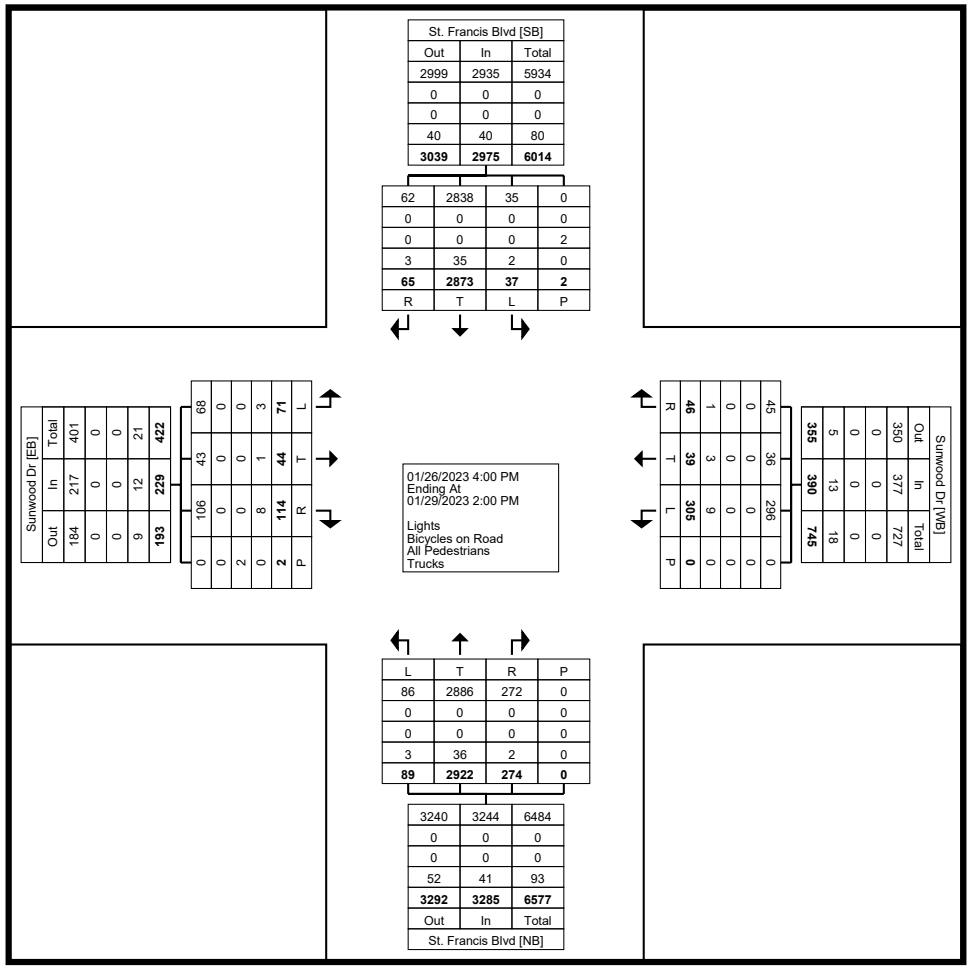
Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

Kimley-Horn and Associates, Inc.
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(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	7	5	3	0	15	6	2	3	0	11	5	184	19	0	208	1	77	1	0	79	313
4:15 PM	3	1	1	0	5	14	2	4	0	20	1	181	24	0	206	3	86	1	0	90	321
4:30 PM	1	2	4	0	7	11	2	1	0	14	4	145	13	0	162	2	81	4	0	87	270
4:45 PM	4	5	3	0	12	12	1	4	0	17	4	169	8	0	181	1	76	2	0	79	289
Total	15	13	11	0	39	43	7	12	0	62	14	679	64	0	757	7	320	8	0	335	1193
Approach %	38.5	33.3	28.2	-	-	69.4	11.3	19.4	-	-	1.8	89.7	8.5	-	-	2.1	95.5	2.4	-	-	-
Total %	1.3	1.1	0.9	-	3.3	3.6	0.6	1.0	-	5.2	1.2	56.9	5.4	-	63.5	0.6	26.8	0.7	-	28.1	-
PHF	0.536	0.650	0.688	-	0.650	0.768	0.875	0.750	-	0.775	0.700	0.923	0.667	-	0.910	0.583	0.930	0.500	-	0.931	0.929
Lights	13	13	10	-	36	38	6	12	-	56	14	668	64	-	746	7	312	8	-	327	1165
% Lights	86.7	100.0	90.9	-	92.3	88.4	85.7	100.0	-	90.3	100.0	98.4	100.0	-	98.5	100.0	97.5	100.0	-	97.6	97.7
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	2	0	1	-	3	5	1	0	-	6	0	11	0	-	11	0	8	0	-	8	28
% Trucks	13.3	0.0	9.1	-	7.7	11.6	14.3	0.0	-	9.7	0.0	1.6	0.0	-	1.5	0.0	2.5	0.0	-	2.4	2.3

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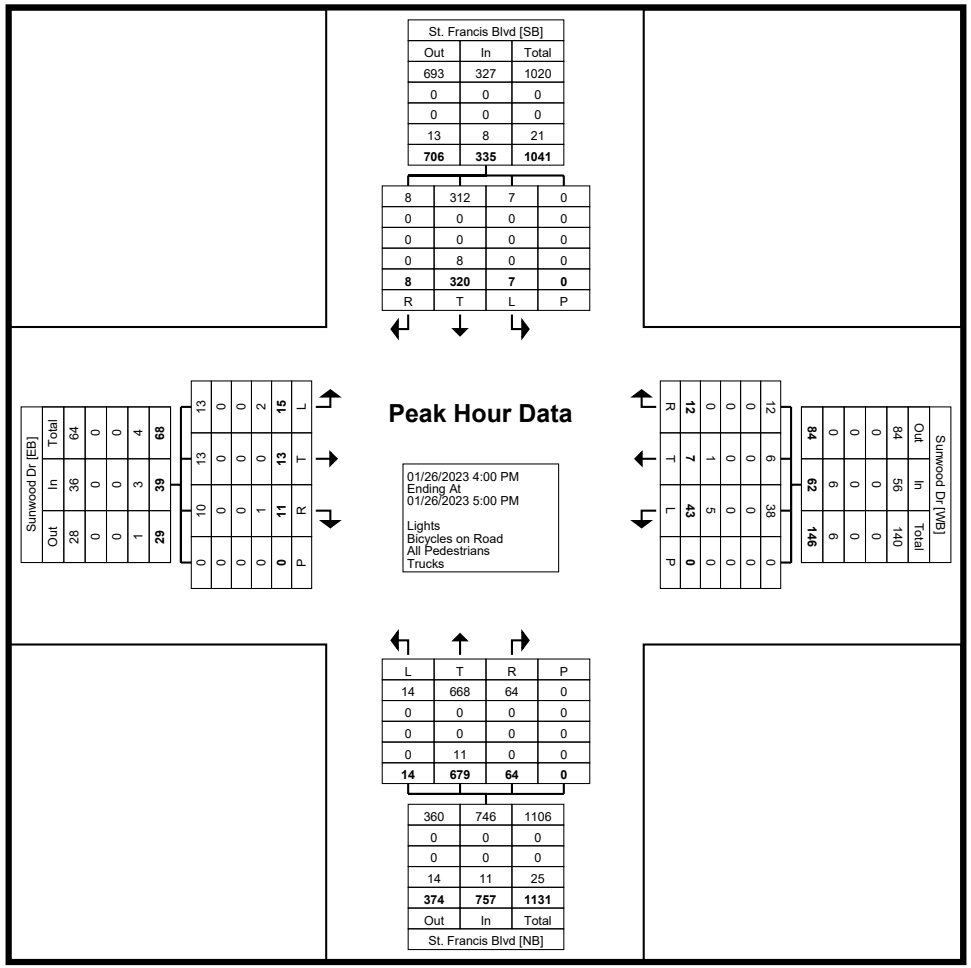
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:00 PM)

Kimley-Horn and Associates, Inc.
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(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

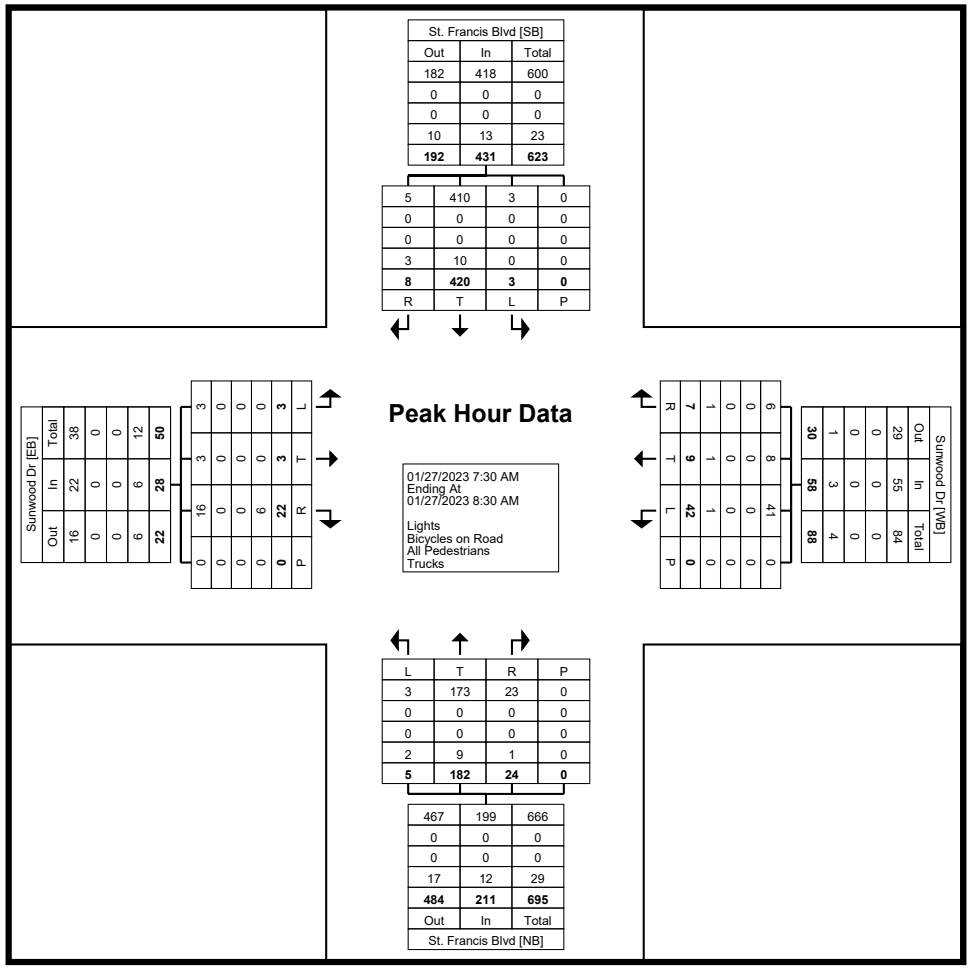
Turning Movement Peak Hour Data (7:30 AM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:30 AM	1	0	3	0	4	8	3	2	0	13	1	43	10	0	54	1	104	0	0	105	176
7:45 AM	0	2	6	0	8	9	4	1	0	14	2	41	3	0	46	1	112	3	0	116	184
8:00 AM	1	1	7	0	9	13	2	1	0	16	1	46	8	0	55	1	102	3	0	106	186
8:15 AM	1	0	6	0	7	12	0	3	0	15	1	52	3	0	56	0	102	2	0	104	182
Total	3	3	22	0	28	42	9	7	0	58	5	182	24	0	211	3	420	8	0	431	728
Approach %	10.7	10.7	78.6	-	-	72.4	15.5	12.1	-	-	2.4	86.3	11.4	-	-	0.7	97.4	1.9	-	-	-
Total %	0.4	0.4	3.0	-	3.8	5.8	1.2	1.0	-	8.0	0.7	25.0	3.3	-	29.0	0.4	57.7	1.1	-	59.2	-
PHF	0.750	0.375	0.786	-	0.778	0.808	0.563	0.583	-	0.906	0.625	0.875	0.600	-	0.942	0.750	0.938	0.667	-	0.929	0.978
Lights	3	3	16	-	22	41	8	6	-	55	3	173	23	-	199	3	410	5	-	418	694
% Lights	100.0	100.0	72.7	-	78.6	97.6	88.9	85.7	-	94.8	60.0	95.1	95.8	-	94.3	100.0	97.6	62.5	-	97.0	95.3
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	6	-	6	1	1	1	-	3	2	9	1	-	12	0	10	3	-	13	34
% Trucks	0.0	0.0	27.3	-	21.4	2.4	11.1	14.3	-	5.2	40.0	4.9	4.2	-	5.7	0.0	2.4	37.5	-	3.0	4.7

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:30 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (11:00 AM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	2	0	4	0	6	6	1	0	0	7	2	62	5	0	69	0	73	0	0	73	155
11:15 AM	0	1	3	0	4	8	0	0	0	8	1	70	3	0	74	1	78	3	0	82	168
11:30 AM	1	1	3	0	5	14	1	2	0	17	2	71	10	0	83	1	114	3	0	118	223
11:45 AM	1	2	3	0	6	5	0	0	0	5	2	82	6	0	90	2	94	3	0	99	200
Total	4	4	13	0	21	33	2	2	0	37	7	285	24	0	316	4	359	9	0	372	746
Approach %	19.0	19.0	61.9	-	-	89.2	5.4	5.4	-	-	2.2	90.2	7.6	-	-	1.1	96.5	2.4	-	-	-
Total %	0.5	0.5	1.7	-	2.8	4.4	0.3	0.3	-	5.0	0.9	38.2	3.2	-	42.4	0.5	48.1	1.2	-	49.9	-
PHF	0.500	0.500	0.813	-	0.875	0.589	0.500	0.250	-	0.544	0.875	0.869	0.600	-	0.878	0.500	0.787	0.750	-	0.788	0.836
Lights	4	4	13	-	21	33	2	2	-	37	7	285	24	-	316	4	359	9	-	372	746
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0

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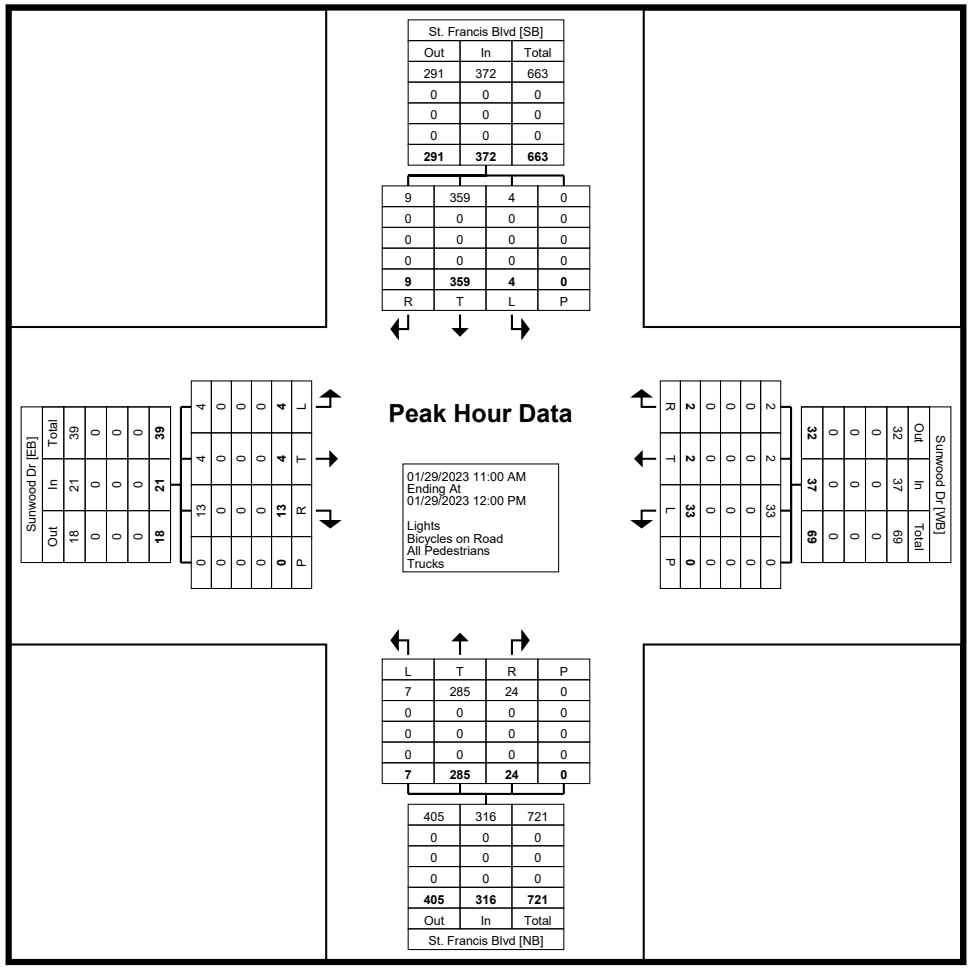
Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (11:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (12:15 PM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
12:15 PM	2	2	5	0	9	11	0	2	0	13	4	84	4	0	92	1	111	1	0	113	227
12:30 PM	4	1	1	0	6	6	0	2	0	8	0	97	12	0	109	2	98	1	0	101	224
12:45 PM	3	3	3	0	9	5	1	3	0	9	2	91	13	0	106	0	78	1	0	79	203
1:00 PM	4	0	4	0	8	6	0	0	0	6	5	101	6	0	112	2	85	1	0	88	214
Total	13	6	13	0	32	28	1	7	0	36	11	373	35	0	419	5	372	4	0	381	868
Approach %	40.6	18.8	40.6	-	-	77.8	2.8	19.4	-	-	2.6	89.0	8.4	-	-	1.3	97.6	1.0	-	-	-
Total %	1.5	0.7	1.5	-	3.7	3.2	0.1	0.8	-	4.1	1.3	43.0	4.0	-	48.3	0.6	42.9	0.5	-	43.9	-
PHF	0.813	0.500	0.650	-	0.889	0.636	0.250	0.583	-	0.692	0.550	0.923	0.673	-	0.935	0.625	0.838	1.000	-	0.843	0.956
Lights	13	6	13	-	32	28	1	7	-	36	11	373	35	-	419	5	371	4	-	380	867
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	99.7	100.0	-	99.7	99.9
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	1
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.3	0.0	-	0.3	0.1

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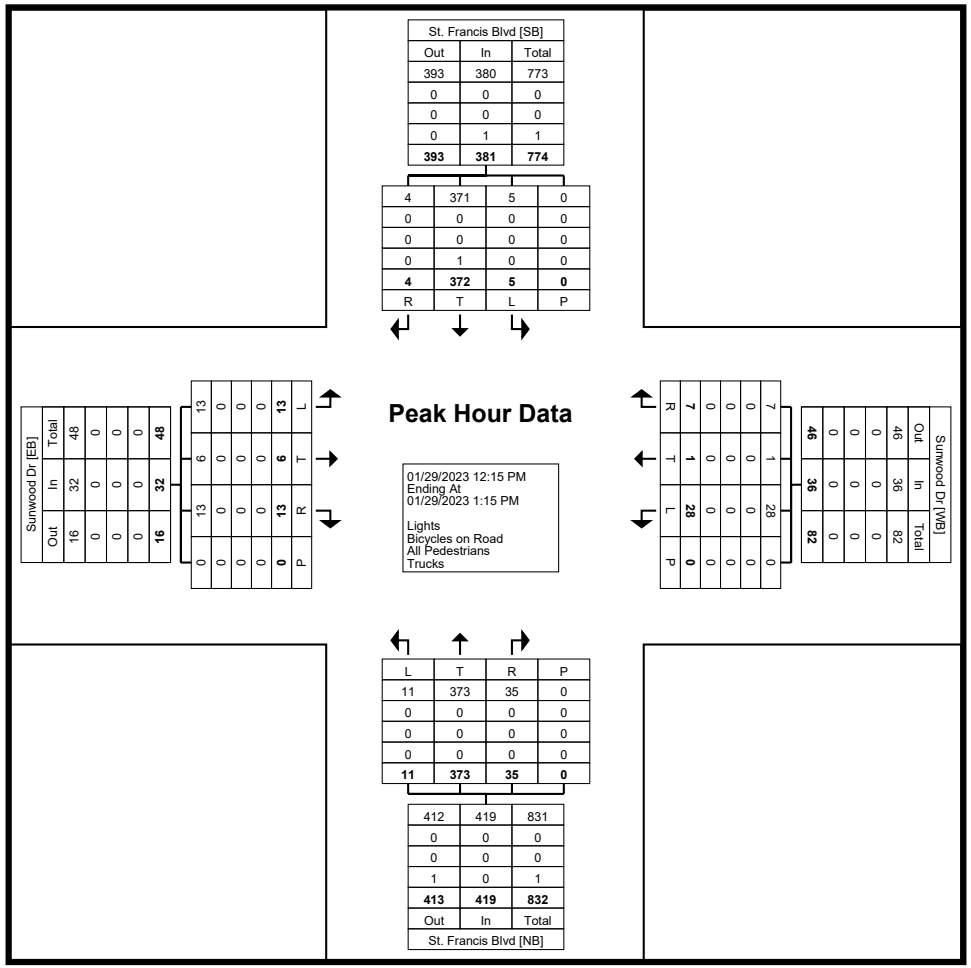
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (12:15 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
7:00 AM	3	1	0	4	0	5	0	5	6	4	0	10	19
7:15 AM	1	3	0	4	1	8	0	9	7	2	0	9	22
7:30 AM	2	2	0	4	0	10	2	10	4	4	0	8	22
7:45 AM	1	1	0	2	0	9	0	9	1	2	0	3	14
Hourly Total	7	7	0	14	1	32	2	33	18	12	0	30	77
8:00 AM	3	0	0	3	1	2	0	3	0	4	0	4	10
8:15 AM	2	1	0	3	0	3	0	3	0	2	0	2	8
8:30 AM	6	0	0	6	0	3	0	3	0	1	0	1	10
8:45 AM	2	2	0	4	0	6	0	6	2	4	4	6	16
Hourly Total	13	3	0	16	1	14	0	15	2	11	4	13	44
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	10	7	0	17	5	4	0	9	1	4	1	5	31
4:15 PM	3	4	0	7	0	3	0	3	2	2	12	4	14
4:30 PM	5	3	0	8	4	6	0	10	0	2	1	2	20
4:45 PM	13	5	1	18	5	2	0	7	1	0	0	1	26
Hourly Total	31	19	1	50	14	15	0	29	4	8	14	12	91
5:00 PM	8	4	1	12	5	4	0	9	0	1	0	1	22
5:15 PM	10	3	0	13	2	4	0	6	1	2	0	3	22
5:30 PM	9	2	0	11	2	5	0	7	1	2	1	3	21
5:45 PM	2	2	0	4	1	3	0	4	1	1	0	2	10
Hourly Total	29	11	1	40	10	16	0	26	3	6	1	9	75
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	3	1	0	4	3	1	0	4	1	1	1	2	10
10:15 AM	6	1	0	7	1	2	0	3	2	7	0	9	19
10:30 AM	1	0	0	1	2	1	0	3	1	3	0	4	8
10:45 AM	1	0	0	1	2	6	0	8	1	2	0	3	12
Hourly Total	11	2	0	13	8	10	0	18	5	13	1	18	49
11:00 AM	4	1	0	5	1	1	0	2	0	1	0	1	8
11:15 AM	1	4	0	5	2	3	0	5	0	2	0	2	12
11:30 AM	1	3	0	4	3	3	0	6	0	3	0	3	13
11:45 AM	3	0	0	3	4	1	0	5	1	3	0	4	12
Hourly Total	9	8	0	17	10	8	0	18	1	9	0	10	45

12:00 PM	2	1	0	3	2	6	0	8	2	3	0	5	16
12:15 PM	4	1	0	5	1	3	0	4	1	3	0	4	13
12:30 PM	5	1	0	6	0	1	0	1	1	1	0	2	9
12:45 PM	5	5	0	10	1	2	0	3	3	1	0	4	17
Hourly Total	16	8	0	24	4	12	0	16	7	8	0	15	55
1:00 PM	3	0	0	3	2	1	0	3	0	2	0	2	8
1:15 PM	4	3	0	7	2	3	0	5	2	1	0	3	15
1:30 PM	5	2	0	7	5	5	0	10	2	3	1	5	22
1:45 PM	2	3	0	5	0	3	0	3	2	0	0	2	10
Hourly Total	14	8	0	22	9	12	0	21	6	6	1	12	55
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	130	66	2	196	57	119	2	176	46	73	21	119	491
Approach %	66.3	33.7	-	-	32.4	67.6	-	-	38.7	61.3	-	-	-
Total %	26.5	13.4	-	39.9	11.6	24.2	-	35.8	9.4	14.9	-	24.2	-
Lights	124	64	-	188	56	113	-	169	45	71	-	116	473
% Lights	95.4	97.0	-	95.9	98.2	95.0	-	96.0	97.8	97.3	-	97.5	96.3
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	2	-	-	-	2	-	-	-	21	-	-
% All Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	100.0	-	-
Trucks	6	2	-	8	1	6	-	7	1	2	-	3	18
% Trucks	4.6	3.0	-	4.1	1.8	5.0	-	4.0	2.2	2.7	-	2.5	3.7

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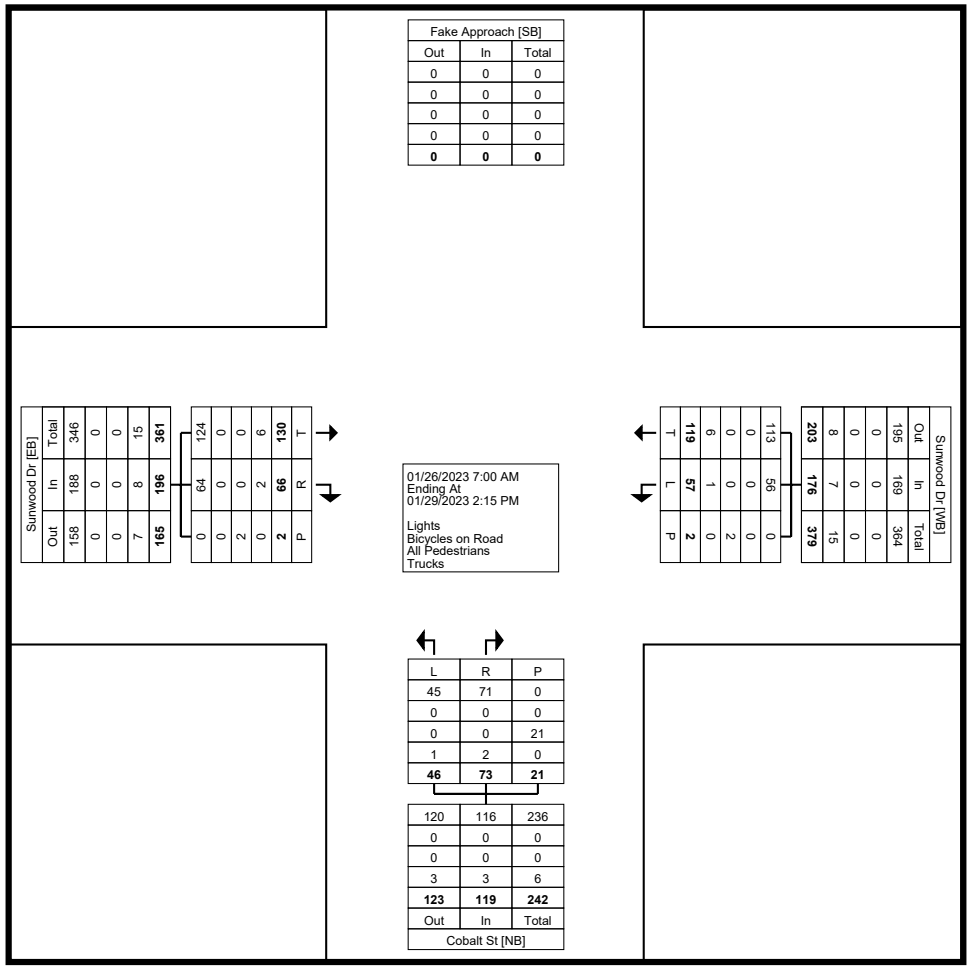
Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

Kimley-Horn and Associates, Inc.
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Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
7:00 AM	3	1	0	4	0	5	0	5	6	4	0	10	19
7:15 AM	1	3	0	4	1	8	0	9	7	2	0	9	22
7:30 AM	2	2	0	4	0	10	2	10	4	4	0	8	22
7:45 AM	1	1	0	2	0	9	0	9	1	2	0	3	14
Total	7	7	0	14	1	32	2	33	18	12	0	30	77
Approach %	50.0	50.0	-	-	3.0	97.0	-	-	60.0	40.0	-	-	-
Total %	9.1	9.1	-	18.2	1.3	41.6	-	42.9	23.4	15.6	-	39.0	-
PHF	0.583	0.583	-	0.875	0.250	0.800	-	0.825	0.643	0.750	-	0.750	0.875
Lights	5	7	-	12	1	29	-	30	18	12	-	30	72
% Lights	71.4	100.0	-	85.7	100.0	90.6	-	90.9	100.0	100.0	-	100.0	93.5
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	2	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-
Trucks	2	0	-	2	0	3	-	3	0	0	-	0	5
% Trucks	28.6	0.0	-	14.3	0.0	9.4	-	9.1	0.0	0.0	-	0.0	6.5

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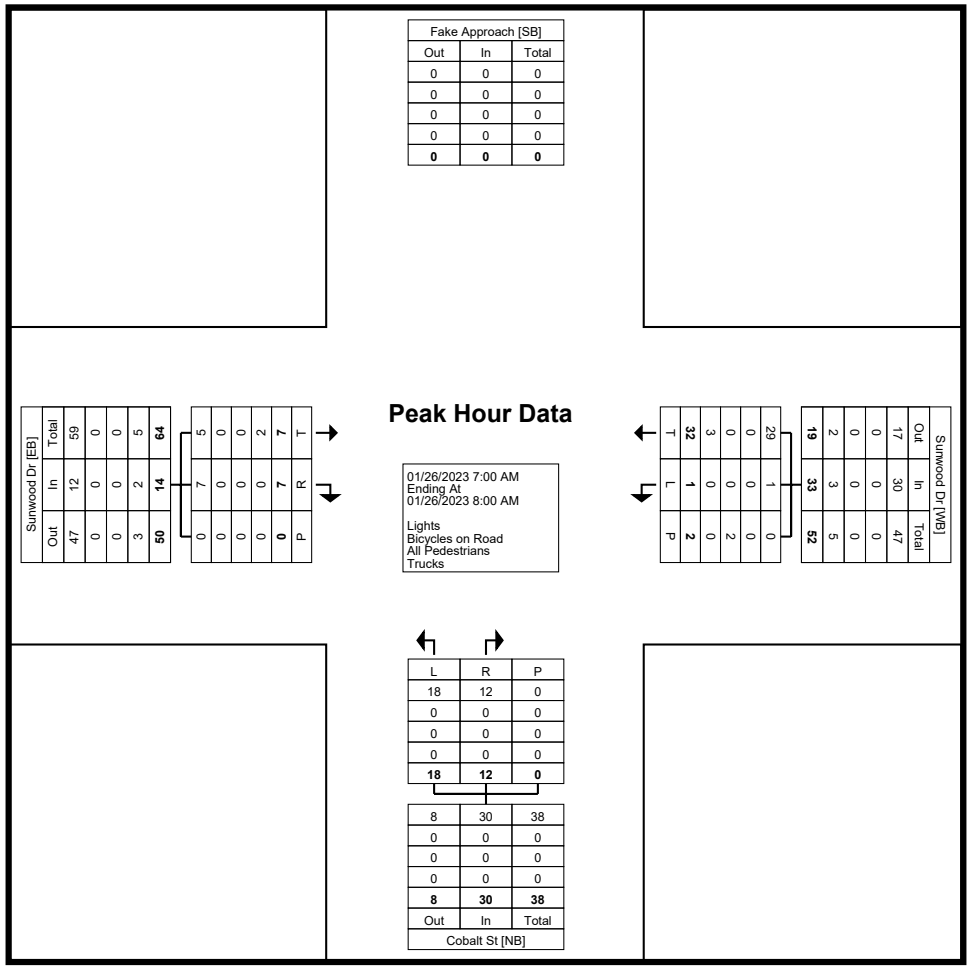
Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
4:00 PM	10	7	0	17	5	4	0	9	1	4	1	5	31
4:15 PM	3	4	0	7	0	3	0	3	2	2	12	4	14
4:30 PM	5	3	0	8	4	6	0	10	0	2	1	2	20
4:45 PM	13	5	1	18	5	2	0	7	1	0	0	1	26
Total	31	19	1	50	14	15	0	29	4	8	14	12	91
Approach %	62.0	38.0	-	-	48.3	51.7	-	-	33.3	66.7	-	-	-
Total %	34.1	20.9	-	54.9	15.4	16.5	-	31.9	4.4	8.8	-	13.2	-
PHF	0.596	0.679	-	0.694	0.700	0.625	-	0.725	0.500	0.500	-	0.600	0.734
Lights	30	17	-	47	14	14	-	28	4	6	-	10	85
% Lights	96.8	89.5	-	94.0	100.0	93.3	-	96.6	100.0	75.0	-	83.3	93.4
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	1	-	-	-	0	-	-	-	14	-	-
% All Pedestrians	-	-	100.0	-	-	-	-	-	-	-	100.0	-	-
Trucks	1	2	-	3	0	1	-	1	0	2	-	2	6
% Trucks	3.2	10.5	-	6.0	0.0	6.7	-	3.4	0.0	25.0	-	16.7	6.6

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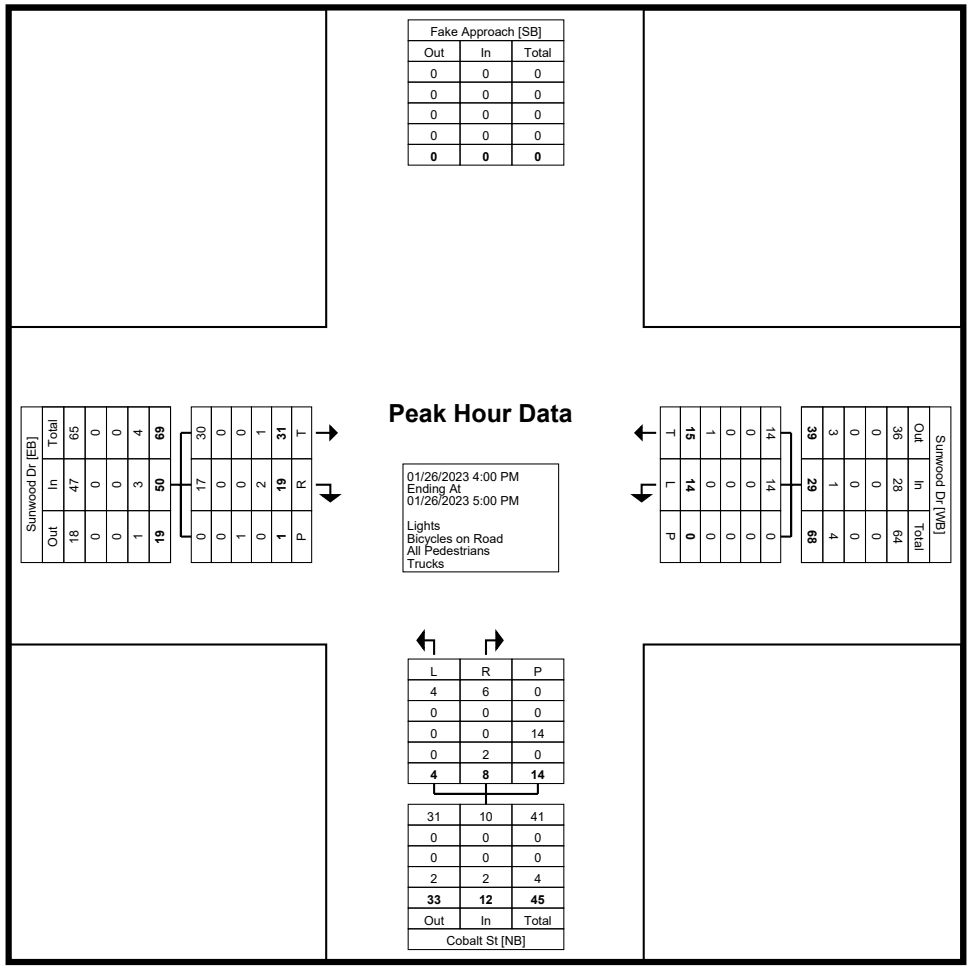
Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

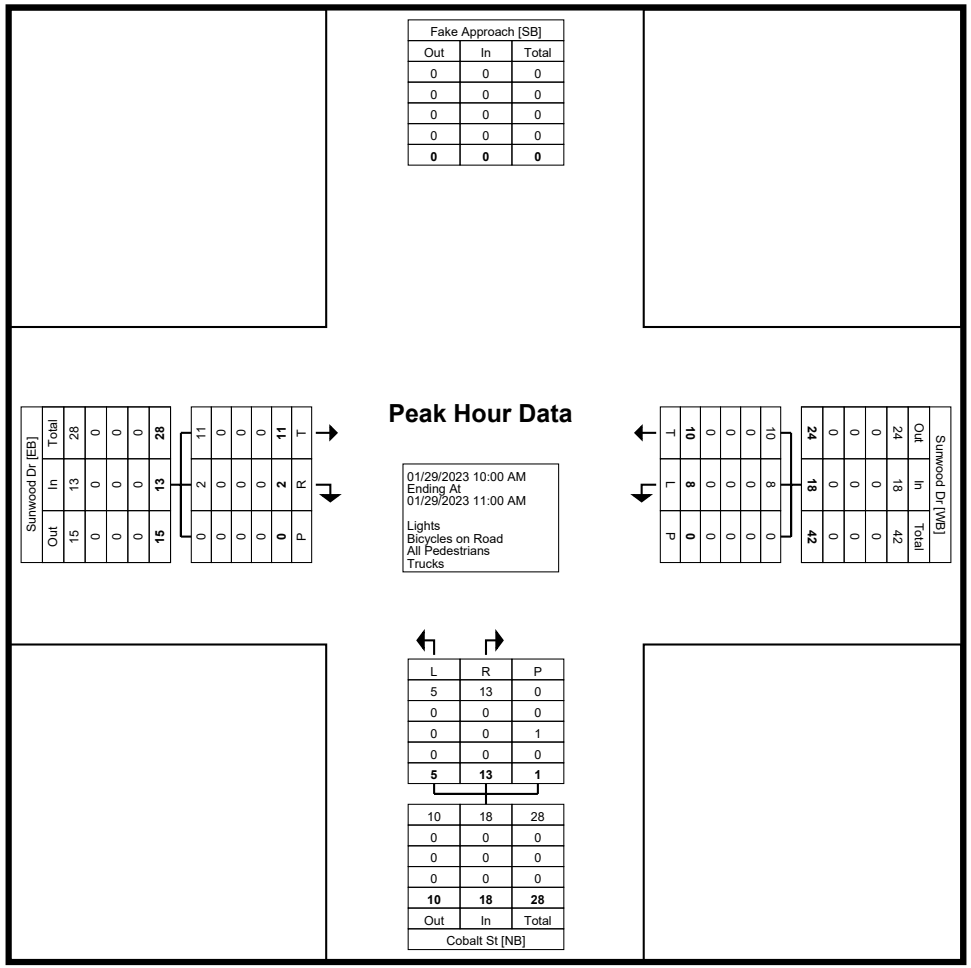
Turning Movement Peak Hour Data (10:00 AM)

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
10:00 AM	3	1	0	4	3	1	0	4	1	1	1	2	10
10:15 AM	6	1	0	7	1	2	0	3	2	7	0	9	19
10:30 AM	1	0	0	1	2	1	0	3	1	3	0	4	8
10:45 AM	1	0	0	1	2	6	0	8	1	2	0	3	12
Total	11	2	0	13	8	10	0	18	5	13	1	18	49
Approach %	84.6	15.4	-	-	44.4	55.6	-	-	27.8	72.2	-	-	-
Total %	22.4	4.1	-	26.5	16.3	20.4	-	36.7	10.2	26.5	-	36.7	-
PHF	0.458	0.500	-	0.464	0.667	0.417	-	0.563	0.625	0.464	-	0.500	0.645
Lights	11	2	-	13	8	10	-	18	5	13	-	18	49
% Lights	100.0	100.0	-	100.0	100.0	100.0	-	100.0	100.0	100.0	-	100.0	100.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	1	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	100.0	-	-
Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

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Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (12:45 PM)

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
12:45 PM	5	5	0	10	1	2	0	3	3	1	0	4	17
1:00 PM	3	0	0	3	2	1	0	3	0	2	0	2	8
1:15 PM	4	3	0	7	2	3	0	5	2	1	0	3	15
1:30 PM	5	2	0	7	5	5	0	10	2	3	1	5	22
Total	17	10	0	27	10	11	0	21	7	7	1	14	62
Approach %	63.0	37.0	-	-	47.6	52.4	-	-	50.0	50.0	-	-	-
Total %	27.4	16.1	-	43.5	16.1	17.7	-	33.9	11.3	11.3	-	22.6	-
PHF	0.850	0.500	-	0.675	0.500	0.550	-	0.525	0.583	0.583	-	0.700	0.705
Lights	16	10	-	26	9	11	-	20	6	7	-	13	59
% Lights	94.1	100.0	-	96.3	90.0	100.0	-	95.2	85.7	100.0	-	92.9	95.2
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	1	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	100.0	-	-
Trucks	1	0	-	1	1	0	-	1	1	0	-	1	3
% Trucks	5.9	0.0	-	3.7	10.0	0.0	-	4.8	14.3	0.0	-	7.1	4.8

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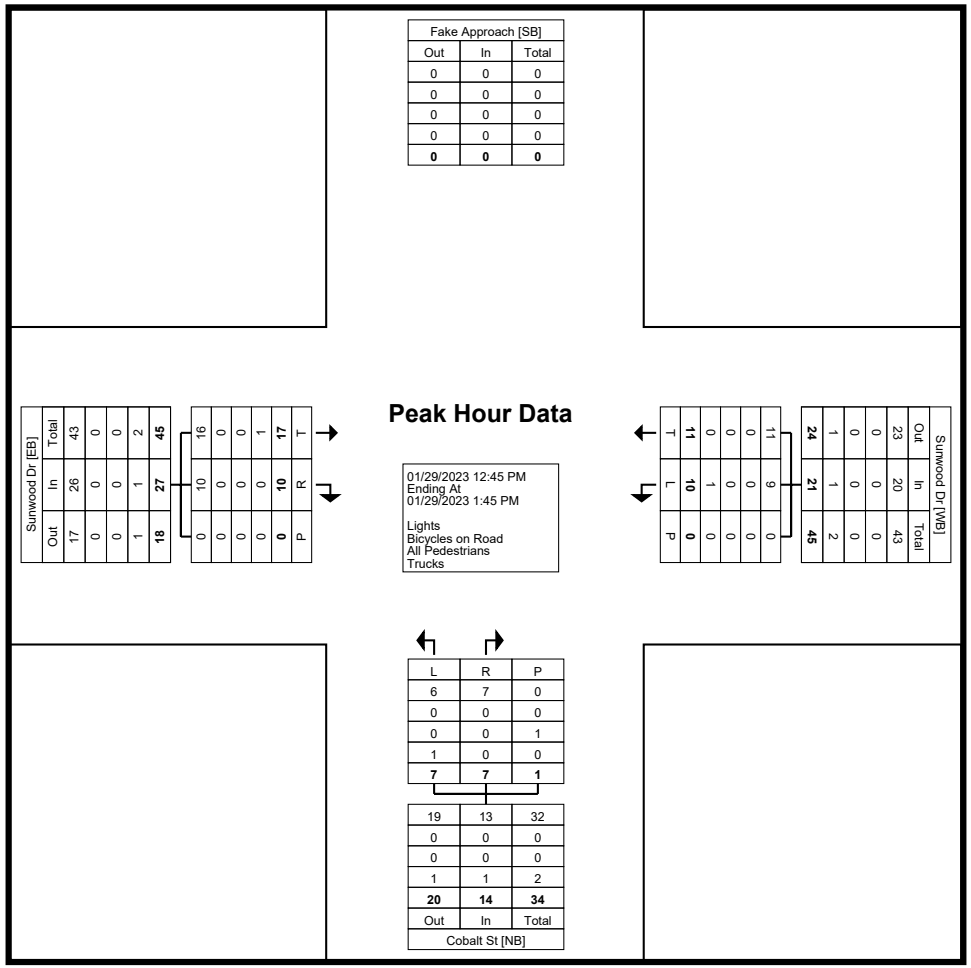
Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (12:45 PM)

C. Site Layout Exhibit

GROUND LEVEL

OPTION D2-A

BKV GROUP

D. SimTraffic Analysis Results

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.5	0.7
Total Del/Veh (s)	13.7	11.0	6.9	13.9	11.1	1.5	2.0	0.8	0.2	1.3	0.1	2.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.2	0.1
Total Del/Veh (s)	2.1	2.4	1.7	0.6	4.5	2.3	1.9

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	1.8	0.0	0.0	4.1	0.9	0.1	0.0	0.0	0.0	3.1	0.5	3.9
Total Del/Veh (s)	44.8	45.0	6.3	40.1	41.8	5.8	51.8	5.8	3.5	63.6	3.5	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	7.2

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	5.6	5.1	10.0	2.2	0.4	0.1	1.3	0.4	1.4

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	2.3	0.4	0.7	0.6

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	10.1	6.3	6.1	0.7	0.2	0.7	1.3	0.2	1.7

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.2	0.8	11.3	1.3	15.2	5.1	2.7

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.3	0.4	3.7	0.6	3.0	0.0	0.0	0.2
Total Del/Veh (s)	23.2	34.5	3.5	42.1	32.8	6.6	46.3	6.6	1.4	45.7	18.5	6.8

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	16.8

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	23.2

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	48	62	74	21	22
Average Queue (ft)	12	19	30	1	4
95th Queue (ft)	32	44	68	7	17
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	46
Average Queue (ft)	15
95th Queue (ft)	40
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	42	86	118	26	98	26	46	122	26
Average Queue (ft)	6	10	31	8	4	18	5	6	42	5
95th Queue (ft)	23	29	61	46	17	57	22	25	104	21
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0	0						
Queuing Penalty (veh)			0	0						

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	47	25	50
Average Queue (ft)	15	5	3
95th Queue (ft)	37	20	19
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	27
Average Queue (ft)	3
95th Queue (ft)	17
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	NB
Directions Served	LT	R	L
Maximum Queue (ft)	24	65	43
Average Queue (ft)	3	25	6
95th Queue (ft)	17	52	24
Link Distance (ft)	278	278	
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			290
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 7:

Movement	EB	EB	WB	NB	NB
Directions Served	T	R	L	L	R
Maximum Queue (ft)	22	22	90	53	46
Average Queue (ft)	1	1	27	23	21
95th Queue (ft)	7	8	68	54	41
Link Distance (ft)	659			345	345
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		300	120		
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	24	43	146	121	189	128	99	23	26	359	60
Average Queue (ft)	7	20	72	19	83	31	34	2	8	153	4
95th Queue (ft)	23	47	129	58	149	87	83	14	24	273	21
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			9	0						2	
Queuing Penalty (veh)			3	0						1	

Network Summary

Network wide Queuing Penalty: 4

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.1	4.2	0.1	0.1	4.2	0.0	0.0	0.0	0.1	0.3	3.7
Total Del/Veh (s)	21.0	9.0	2.2	28.6	15.8	1.4	1.8	2.8	1.7	1.2	1.1	0.3

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	3.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	3.0	0.4	3.4	1.3	3.6	2.0	2.2

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	4.2	0.1	0.0	0.1	0.0	2.0	0.4	2.8	0.4
Total Del/Veh (s)	49.3	0.2	3.4	59.1	72.1	31.3	13.4	7.7	20.1	2.9	0.0	13.1

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	4.6	0.3	0.5	0.0	0.5	0.1	0.6

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	2.4	0.4	0.4	0.4

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.7	0.0	0.0
Total Del/Veh (s)	40.2	2.8	1.3	0.0	7.9	0.5	1.5

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	1.4	0.3	3.4	1.9	8.4	3.6	2.5

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.2	0.1	0.1	2.7	1.7	3.5	0.0	0.0	0.0
Total Del/Veh (s)	58.1	26.8	1.6	58.3	55.6	39.3	40.2	9.6	2.2	34.3	13.7	12.9

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	1.2
Total Del/Veh (s)	20.4

Total Network Performance

Denied Del/Veh (s)	1.4
Total Del/Veh (s)	24.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB	SB
Directions Served	LT	R	LT	R	LT	LT	R
Maximum Queue (ft)	25	21	92	25	47	21	13
Average Queue (ft)	19	11	50	5	19	4	3
95th Queue (ft)	35	26	88	21	57	18	11
Link Distance (ft)	414		1298		784	478	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		270		270			270
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	27
Average Queue (ft)	5
95th Queue (ft)	23
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T
Maximum Queue (ft)	24	20	66	37	51	306	30	22	52
Average Queue (ft)	10	5	44	11	10	133	11	8	26
95th Queue (ft)	29	18	77	35	44	345	35	25	63
Link Distance (ft)		1064		520		3458			761
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100		100		240		240	240	
Storage Blk Time (%)						5			
Queuing Penalty (veh)						4			

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB
Directions Served	LTR
Maximum Queue (ft)	23
Average Queue (ft)	9
95th Queue (ft)	27
Link Distance (ft)	303
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	28
Average Queue (ft)	11
95th Queue (ft)	34
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	SB
Directions Served	LT	R	L
Maximum Queue (ft)	24	40	50
Average Queue (ft)	5	15	26
95th Queue (ft)	21	39	53
Link Distance (ft)	278	278	
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			300
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	31	72	75
Average Queue (ft)	12	45	41
95th Queue (ft)	37	79	73
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	66	62	50	125	185	149	164	24	22	131	17
Average Queue (ft)	28	18	22	84	154	99	115	14	4	78	3
95th Queue (ft)	68	55	48	136	194	161	199	33	19	137	15
Link Distance (ft)		384		244			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)				24							
Queuing Penalty (veh)				13							

Network Summary

Network wide Queuing Penalty: 17

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.3	0.2	4.0	0.1	0.0	2.1	0.0	0.0	0.0	0.2	3.4	0.5
Total Del/Veh (s)	5.2	7.2	2.5	5.5	8.5	1.5	1.4	1.2	0.1	0.8	0.1	1.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.0
Total Del/Veh (s)	1.4	1.6	1.9	1.1	2.1	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	1.4	0.0	0.0	4.1	0.1	0.1	0.0	0.0	0.0	3.2	0.3	3.1
Total Del/Veh (s)	36.6	16.1	5.6	44.1	36.8	5.7	30.1	5.7	3.2	31.5	2.9	0.1

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	7.1

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	4.3	2.5	4.2	0.4	0.6	0.1	0.4	0.6	0.6

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.2	0.1	0.0	0.0	0.0
Total Del/Veh (s)	6.3	2.6	0.5	0.3	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	6.1	2.8	4.8	5.7	2.5	1.7	0.7	0.1	3.2	0.6	0.1	0.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.0	0.1	4.4	1.4	8.4	2.6	1.5

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.0	0.1	0.3	3.3	0.7	3.1	0.0	0.0	0.0
Total Del/Veh (s)	64.2	41.1	2.0	51.4	37.6	21.7	46.7	5.2	1.4	68.5	14.6	3.3

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	17.3

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	23.3

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	49	60	29	25	22
Average Queue (ft)	12	15	11	2	3
95th Queue (ft)	34	38	34	12	15
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	27
Average Queue (ft)	6
95th Queue (ft)	25
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T
Maximum Queue (ft)	24	20	110	18	50	72	27	22	73
Average Queue (ft)	2	8	36	2	7	17	3	2	29
95th Queue (ft)	12	23	82	11	29	53	15	12	66
Link Distance (ft)		1064		520		3458			761
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100		100		240		240	240	
Storage Blk Time (%)			2						
Queuing Penalty (veh)			0						

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB
Directions Served	LTR	LTR
Maximum Queue (ft)	25	25
Average Queue (ft)	8	3
95th Queue (ft)	26	17
Link Distance (ft)	303	354
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	51
Average Queue (ft)	17
95th Queue (ft)	40
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	44	20	24	23
Average Queue (ft)	2	13	2	1	1
95th Queue (ft)	11	34	12	8	8
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	53	49	46
Average Queue (ft)	5	14	18
95th Queue (ft)	29	40	40
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	44	46	108	56	185	146	152	42	69	307	16
Average Queue (ft)	11	21	38	13	77	17	52	5	23	109	1
95th Queue (ft)	35	45	83	37	154	81	121	22	60	203	8
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			2							1	
Queuing Penalty (veh)			1							0	

Network Summary

Network wide Queuing Penalty: 1

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.2	4.1	0.1	0.0	0.7	0.0	0.0	0.0	0.6	0.5	3.2
Total Del/Veh (s)	8.5	11.6	6.2	11.3	11.8	2.6	4.4	0.8	0.2	0.7	1.3	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	2.4

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0		0.0	0.1	0.1	0.1
Total Del/Veh (s)	2.3	1.5		1.0	4.4	2.2	2.3

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.8	0.0	0.0	4.1	0.2	0.3	0.0	0.0	0.0	3.3	0.5	3.6
Total Del/Veh (s)	46.6	50.1	7.6	44.2	48.4	5.4	39.1	5.4	3.1	50.9	4.3	1.1

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	8.7

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.2	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0
Total Del/Veh (s)	11.8	5.1	9.8	3.2	0.6	0.0	1.3	0.4	1.5

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	1.4	0.3	0.7	0.6

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0
Total Del/Veh (s)	8.9	7.6	6.0	0.6	0.2	1.8	1.3	0.2	1.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.2	0.8	8.8	1.2	14.1	6.0	2.5

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.3	0.4	3.6	0.6	3.5	0.4	0.0	0.2
Total Del/Veh (s)	39.0	37.0	3.6	48.3	34.9	12.1	47.3	6.0	1.6	43.9	18.1	6.4

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	17.1

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	23.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	R
Maximum Queue (ft)	47	79	73	25	48	3
Average Queue (ft)	12	23	30	4	4	0
95th Queue (ft)	34	53	57	19	24	2
Link Distance (ft)	414		1298		784	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		270
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	52
Average Queue (ft)	19
95th Queue (ft)	44
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	54	99	30	26	108	37	29	146	20
Average Queue (ft)	3	11	40	6	5	19	4	5	48	1
95th Queue (ft)	14	38	82	21	20	63	21	21	115	9
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)		0	1							
Queuing Penalty (veh)		0	0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	55	28	59
Average Queue (ft)	18	9	3
95th Queue (ft)	40	28	25
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	6
Average Queue (ft)	0
95th Queue (ft)	6
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	NB	SB
Directions Served	LT	R	L	L
Maximum Queue (ft)	19	86	48	14
Average Queue (ft)	2	26	5	0
95th Queue (ft)	14	51	26	5
Link Distance (ft)	278	278		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			290	300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	EB	WB	NB	NB
Directions Served	R	L	L	R
Maximum Queue (ft)	9	81	75	54
Average Queue (ft)	1	25	23	17
95th Queue (ft)	7	62	55	44
Link Distance (ft)			345	345
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	300	120		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	32	77	160	134	172	134	106	27	67	339	37
Average Queue (ft)	8	21	73	19	76	29	28	4	15	147	6
95th Queue (ft)	27	55	134	69	150	87	73	19	46	279	23
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			15	0						3	
Queuing Penalty (veh)			5	1						1	

Network Summary

Network wide Queuing Penalty: 7

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.1	4.1	0.1	0.1	1.8	0.0	0.0	0.0	0.3	0.4	3.6
Total Del/Veh (s)	10.3	9.8	2.6	15.0	8.2	3.4	2.9	3.2	0.6	2.5	1.1	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.5
Total Del/Veh (s)	2.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.3	2.1	2.7	1.9	4.5	2.1	1.7

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.2	0.3	0.2	0.0	0.0	0.0	3.3	0.4	4.2
Total Del/Veh (s)	53.0	44.0	10.0	55.9	75.6	14.5	79.0	13.0	8.1	84.1	4.5	0.0

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.3
Total Del/Veh (s)	14.2

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.0
Total Del/Veh (s)	6.7	2.8	11.9	1.4	1.3	0.2	1.9	0.6	0.0	1.0

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	4.3	5.8	0.7	0.4	0.6

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.0	0.0	0.5	0.0	0.0	0.0
Total Del/Veh (s)	9.5	3.9	8.1	1.7	1.5	0.4	5.0	0.7	0.1	1.6

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.2	0.1	0.0
Total Del/Veh (s)	1.6	0.5	9.4	2.4	12.6	3.8	3.3

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.1	4.1	0.3	0.1	2.9	1.6	3.2	0.0	0.0	0.0
Total Del/Veh (s)	48.0	44.1	2.2	56.9	47.1	25.6	42.1	12.2	1.7	58.2	25.6	7.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	1.2
Total Del/Veh (s)	22.9

Total Network Performance

Denied Del/Veh (s)	1.4
Total Del/Veh (s)	30.5

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	65	54	53	25	70	21
Average Queue (ft)	17	15	21	6	18	3
95th Queue (ft)	42	37	44	22	48	15
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	27
Average Queue (ft)	8
95th Queue (ft)	29
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T
Maximum Queue (ft)	46	82	65	54	52	330	28	27	168
Average Queue (ft)	16	21	27	14	14	110	6	7	46
95th Queue (ft)	42	51	59	38	39	251	23	23	111
Link Distance (ft)		1064		520		3458			761
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100		100		240		240	240	
Storage Blk Time (%)		0				1			
Queuing Penalty (veh)		0				1			

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LT	LT
Maximum Queue (ft)	49	24	50	22
Average Queue (ft)	9	1	6	1
95th Queue (ft)	32	8	27	8
Link Distance (ft)	303	354	585	784
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	28
Average Queue (ft)	3
95th Queue (ft)	17
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	SB
Directions Served	LT	R	LTR	L
Maximum Queue (ft)	24	66	20	49
Average Queue (ft)	4	17	6	15
95th Queue (ft)	18	40	20	42
Link Distance (ft)	278	278	203	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	94	91	54
Average Queue (ft)	18	41	30
95th Queue (ft)	61	76	46
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	R	L	L	T	R	L	T	R
Maximum Queue (ft)	88	105	85	125	8	229	193	445	29	48	376	20
Average Queue (ft)	41	37	45	40	1	152	99	160	6	13	145	1
95th Queue (ft)	79	76	80	92	4	214	177	331	24	37	264	7
Link Distance (ft)		384		244	244			607			3458	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		80			500	500		290	210		210
Storage Blk Time (%)		0	1	4				2			3	
Queuing Penalty (veh)		0	1	2				8			1	

Network Summary

Network wide Queuing Penalty: 13

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	4.2	0.0	0.1	4.2	0.0	0.0	0.0	0.2	3.0	0.4
Total Del/Veh (s)	4.5	7.8	1.6	6.4	6.5	1.4	1.7	1.3	0.5	0.6	0.2	1.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.0
Total Del/Veh (s)	1.3	1.3	2.0	0.9	2.0	1.4

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.1	0.1	0.1	0.0	0.0	0.1	1.5	0.3	2.9
Total Del/Veh (s)	76.4	48.8	4.0	36.0	57.2	3.1	45.6	5.4	2.6	29.3	3.7	0.8

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	7.0

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0	4.2	0.0
Total Del/Veh (s)	2.7	4.2	0.5	0.8	0.1	0.4	0.1	0.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	5.5	3.5	0.6	0.2	0.5

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBT	EBR	WBL	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	9.8	2.5	4.4	1.6	0.9	0.0	2.7	0.4	0.0	0.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.0	0.2	4.1	1.9	4.6	1.6	1.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.0	0.2	0.3	3.4	0.6	3.7	0.0	0.0	0.0
Total Del/Veh (s)	58.6	32.2	1.7	55.0	43.2	11.1	55.5	7.5	1.4	56.4	15.1	6.0

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.8
Total Del/Veh (s)	20.0

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	24.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	48	44	29	25	22
Average Queue (ft)	12	10	17	1	2
95th Queue (ft)	35	30	39	8	10
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	46
Average Queue (ft)	9
95th Queue (ft)	32
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	37	88	18	52	95	27	23	92	26
Average Queue (ft)	2	7	29	4	9	20	1	1	31	3
95th Queue (ft)	13	24	69	16	32	61	9	8	74	15
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0							
Queuing Penalty (veh)			0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	25	25	23
Average Queue (ft)	8	3	1
95th Queue (ft)	27	18	8
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	29
Average Queue (ft)	12
95th Queue (ft)	35
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	19	20	28	24
Average Queue (ft)	0	12	1	4	1
95th Queue (ft)	0	26	7	19	8
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	31	29	27
Average Queue (ft)	11	11	13
95th Queue (ft)	35	33	34
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	24	65	138	92	165	129	150	24	90	236	22
Average Queue (ft)	4	18	57	19	91	31	61	3	27	91	3
95th Queue (ft)	17	47	116	58	152	98	137	16	63	196	14
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			7	2						0	
Queuing Penalty (veh)			2	1						0	

Network Summary

Network wide Queuing Penalty: 3

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.1	4.1	0.0	0.0	1.3	0.0	0.0	0.0	0.1	0.6	3.0
Total Del/Veh (s)	13.6	12.3	7.6	13.6	15.4	2.1	5.0	1.2	0.2	0.5	1.4	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	2.8

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0		0.0	0.1	0.2	0.1
Total Del/Veh (s)	1.8	1.9		1.1	4.2	2.4	2.2

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.8	0.0	0.0	4.1	0.2	0.4	0.0	0.0	0.0	3.4	0.5	2.9
Total Del/Veh (s)	44.9	38.0	7.3	48.9	39.6	5.2	59.5	5.7	3.2	53.5	4.2	0.9

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	8.2

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.2	0.1	0.1	0.0	0.0	0.2	0.0	0.4	0.0
Total Del/Veh (s)	11.6	7.8	10.6	4.2	0.6	0.0	1.5	0.4	1.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	3.1	0.4	0.7	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.1	0.0	0.0	0.4	0.0	0.0	0.0
Total Del/Veh (s)	25.0	9.5	6.0	0.7	0.2	1.7	1.5	0.3	2.1

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.6	1.0	13.2	1.3	18.1	7.4	3.0

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.5	0.4	3.5	0.7	3.6	0.1	0.0	0.2
Total Del/Veh (s)	36.9	34.9	4.0	50.4	32.5	5.9	46.1	6.4	1.6	47.3	19.1	6.2

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	17.7

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	24.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	42	62	104	25	71
Average Queue (ft)	11	23	32	4	6
95th Queue (ft)	33	49	70	20	34
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	52
Average Queue (ft)	18
95th Queue (ft)	42
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	40	88	36	37	95	31	32	183	13
Average Queue (ft)	3	8	36	7	6	20	3	4	52	1
95th Queue (ft)	16	29	75	25	23	66	18	18	131	11
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0						0	
Queuing Penalty (veh)			0						0	

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	60	25	52
Average Queue (ft)	20	7	4
95th Queue (ft)	46	26	25
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	17
Average Queue (ft)	1
95th Queue (ft)	7
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	NB	SB
Directions Served	LT	R	L	L
Maximum Queue (ft)	28	86	39	15
Average Queue (ft)	2	28	7	1
95th Queue (ft)	12	59	27	8
Link Distance (ft)	278	278		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			290	300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	EB	WB	NB	NB
Directions Served	R	L	L	R
Maximum Queue (ft)	34	86	52	51
Average Queue (ft)	2	33	21	18
95th Queue (ft)	16	73	48	45
Link Distance (ft)			345	345
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	300	120		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	36	81	175	99	176	140	95	33	59	339	29
Average Queue (ft)	8	20	91	16	82	32	28	3	20	164	7
95th Queue (ft)	28	54	156	56	155	95	67	16	49	277	24
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)		0	21	0						3	
Queuing Penalty (veh)		2	7	0						2	

Network Summary

Network wide Queuing Penalty: 11

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.2	4.0	0.1	0.1	2.4	0.0	0.0	0.0	0.5	0.5	3.4
Total Del/Veh (s)	11.4	15.8	3.8	14.3	13.4	3.5	4.3	4.4	1.3	2.7	1.3	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.5
Total Del/Veh (s)	3.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.2	1.1	3.0	1.2	4.1	1.9	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.0	0.0	4.1	0.1	0.2	0.0	0.0	0.1	3.4	0.4	3.5
Total Del/Veh (s)	60.1	64.7	14.1	58.6	57.1	15.5	60.0	13.7	8.5	64.9	3.8	1.0

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.3
Total Del/Veh (s)	14.0

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.2	0.0
Total Del/Veh (s)	10.0	3.9	10.7	2.1	1.3	0.1	3.8	1.0	0.5	1.3

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	14.1	5.4	0.9	0.6	0.8

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.2		0.0	0.0	0.4	0.0	0.3	0.1
Total Del/Veh (s)	12.5	3.5	15.4	10.6		1.8	0.3	5.5	0.8	0.2	1.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.3	0.0	0.2	0.2	0.0
Total Del/Veh (s)	1.8	0.2	7.0	3.0	17.0	5.5	3.9

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.2	3.9	0.3	0.3	3.1	1.8	3.2	0.1	0.0	0.0
Total Del/Veh (s)	55.2	37.3	2.5	46.4	45.2	29.6	50.9	11.9	2.3	50.9	20.8	5.3

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	1.3
Total Del/Veh (s)	22.7

Total Network Performance

Denied Del/Veh (s)	1.4
Total Del/Veh (s)	31.0

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB	SB
Directions Served	LT	R	LT	R	LT	LT	R
Maximum Queue (ft)	57	45	50	25	114	42	4
Average Queue (ft)	20	16	24	6	30	5	0
95th Queue (ft)	46	36	47	22	80	26	2
Link Distance (ft)	414		1298		784	478	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		270		270			270
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	27	32
Average Queue (ft)	1	7
95th Queue (ft)	12	26
Link Distance (ft)	1064	511
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	49	64	87	65	56	367	126	45	143	24
Average Queue (ft)	10	15	33	11	16	107	14	8	37	1
95th Queue (ft)	33	46	71	38	44	284	77	27	95	10
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0	0		1				
Queuing Penalty (veh)			0	0		1				

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LT	LT
Maximum Queue (ft)	30	24	51	55
Average Queue (ft)	11	2	6	3
95th Queue (ft)	32	13	28	25
Link Distance (ft)	303	354	585	784
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	29
Average Queue (ft)	5
95th Queue (ft)	23
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	SB
Directions Served	LT	R	LTR	L
Maximum Queue (ft)	23	36	33	68
Average Queue (ft)	2	13	6	20
95th Queue (ft)	13	29	23	51
Link Distance (ft)	278	278	203	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	WB	WB	WB	NB	NB
Directions Served	L	T	T	L	R
Maximum Queue (ft)	57	82	84	109	89
Average Queue (ft)	14	3	3	48	36
95th Queue (ft)	42	60	61	88	67
Link Distance (ft)		384	384	345	345
Upstream Blk Time (%)		0			
Queuing Penalty (veh)		0			
Storage Bay Dist (ft)	120				
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	142	133	113	130	297	211	347	32	65	287	20
Average Queue (ft)	60	34	45	58	176	118	156	8	16	125	3
95th Queue (ft)	118	85	93	116	268	216	288	27	49	218	13
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)		0	5	9			1			1	
Queuing Penalty (veh)		2	5	6			4			0	

Network Summary

Network wide Queuing Penalty: 18

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	4.1	0.1	0.1	2.1	0.0	0.0	0.1	0.2	3.9	0.5
Total Del/Veh (s)	5.4	7.8	2.2	5.7	7.9	2.4	1.2	1.2	0.2	0.7	0.1	1.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0		0.1	0.0
Total Del/Veh (s)	1.2	1.5	2.5	0.7		2.1	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.0	0.0	4.1	0.1	0.1	0.0	0.0	0.0	2.9	0.4	3.2
Total Del/Veh (s)	37.4	29.8	6.3	39.7	31.1	2.0	43.7	5.2	3.4	39.3	3.2	0.5

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	6.5

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)		0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)		2.8	6.0	1.2	0.6	0.1	0.5	0.3	0.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	5.8	3.2	0.4	0.3	0.5

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Total Del/Veh (s)	8.8	3.3	2.9	6.8	15.3	2.3	2.1	0.7	0.1	1.7	0.5	0.1

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.0
Total Del/Veh (s)	0.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.5	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.0	0.2	4.3	1.5	6.5	2.2	1.5

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.1	0.3	0.2	3.2	0.7	3.4	0.1	0.0	0.5
Total Del/Veh (s)	46.8	42.2	2.0	55.5	45.7	11.9	50.6	5.7	1.3	62.0	13.1	4.9

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.8
Total Del/Veh (s)	17.6

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	22.7

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	40	57	46	19	39
Average Queue (ft)	13	15	18	2	4
95th Queue (ft)	34	37	44	12	20
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	18	39
Average Queue (ft)	1	8
95th Queue (ft)	8	29
Link Distance (ft)	1064	511
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	32	42	75	17	55	93	32	26	118	15
Average Queue (ft)	2	10	24	2	11	17	2	3	30	1
95th Queue (ft)	15	32	56	10	38	61	12	16	82	10
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0							
Queuing Penalty (veh)			0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	25	25	19
Average Queue (ft)	11	4	1
95th Queue (ft)	30	20	10
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	37
Average Queue (ft)	15
95th Queue (ft)	39
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	36	20	27	10
Average Queue (ft)	2	11	3	4	0
95th Queue (ft)	12	29	15	20	5
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	EB	WB	NB	NB
Directions Served	R	L	L	R
Maximum Queue (ft)	4	39	46	48
Average Queue (ft)	0	9	16	16
95th Queue (ft)	3	33	41	41
Link Distance (ft)			345	345
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	300	120		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	40	60	117	90	186	148	155	29	73	212	20
Average Queue (ft)	8	20	48	16	93	27	54	3	26	95	3
95th Queue (ft)	26	50	98	53	164	102	120	18	62	173	14
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			4	1						0	
Queuing Penalty (veh)			1	0						0	

Network Summary

Network wide Queuing Penalty: 2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.3	4.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	0.6	3.2
Total Del/Veh (s)	7.3	10.9	6.3	12.6	13.0	2.9	3.1	0.8	0.1	0.5	1.3	0.1

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	2.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Total Del/Veh (s)	2.2	2.0	1.9	1.1	4.6	2.6	2.3

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.4	0.0	0.0	4.1	0.2	0.4	0.0	0.0	0.0	2.9	0.5	3.1
Total Del/Veh (s)	31.2	43.4	6.5	44.3	44.9	8.6	48.3	5.3	2.9	44.1	4.5	1.4

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	8.8

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0
Total Del/Veh (s)	9.8	6.4	8.1	2.7	0.5	0.0	1.4	0.8	1.5

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.2	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	10.0	3.0	0.4	0.0	1.0	0.8	0.8

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	11.6	15.5	24.5	18.2	9.6	0.7	0.4	1.7	2.1	0.4	4.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.7	1.1	12.6	1.2	25.2	10.7	3.3

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.5	0.1	3.6	0.7	3.6	0.0	0.0	0.3
Total Del/Veh (s)	36.8	37.7	4.0	46.7	34.5	9.1	45.8	5.9	1.2	46.8	18.9	7.1

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	17.6

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	26.3

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	39	61	87	24	42	3
Average Queue (ft)	11	23	38	3	4	0
95th Queue (ft)	32	48	72	17	23	2
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	60
Average Queue (ft)	21
95th Queue (ft)	47
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	42	47	108	45	46	91	27	29	184	33
Average Queue (ft)	7	10	38	9	6	18	2	5	52	2
95th Queue (ft)	28	34	80	31	27	60	13	19	131	17
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			1						0	
Queuing Penalty (veh)			0						0	

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	48	24	39
Average Queue (ft)	21	4	4
95th Queue (ft)	42	20	20
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	37	6
Average Queue (ft)	10	0
95th Queue (ft)	33	4
Link Distance (ft)	225	585
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	24	89	111	51	20
Average Queue (ft)	3	30	43	7	1
95th Queue (ft)	16	63	88	31	9
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	EB	EB	WB	NB	NB
Directions Served	T	R	L	L	R
Maximum Queue (ft)	4	25	80	77	68
Average Queue (ft)	0	1	30	25	23
95th Queue (ft)	3	11	66	59	60
Link Distance (ft)	659			345	345
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		300	120		
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	R	L	L	T	R	L	T	R
Maximum Queue (ft)	69	55	154	96	6	175	134	100	29	52	341	37
Average Queue (ft)	16	19	79	16	0	83	44	25	4	16	157	7
95th Queue (ft)	47	47	135	52	2	149	102	69	20	41	277	25
Link Distance (ft)		384		244	244			607			3458	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		80			500	500		290	210		210
Storage Blk Time (%)			15	0							3	
Queuing Penalty (veh)			4	0							1	

Network Summary

Network wide Queuing Penalty: 6

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.6	3.9	0.1	0.0	0.0	0.0	0.0	1.1	0.5	0.6	2.2
Total Del/Veh (s)	13.0	12.9	7.1	20.6	12.8	2.7	3.9	0.9	0.2	1.3	1.8	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	3.4

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.2	0.1	0.0
Total Del/Veh (s)	0.9	1.3	1.0	4.6	2.1	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	1.4	0.0	0.0	4.1	0.4	0.1	0.0	0.0	0.0	4.2	0.6	3.1
Total Del/Veh (s)	48.1	2.3	13.3	49.1	63.2	10.2	70.3	7.3	2.8	109.5	4.1	0.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	8.5

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	19.2	5.0	8.4	2.3	0.3	0.0	1.5	1.0	1.5

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	NBT	SBL	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	0.3	0.3	0.7	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.2	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	26.8	18.5	23.8	14.6	5.2	0.6	0.3	2.8	1.9	0.4	4.2

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0	0.1	0.2	0.0
Total Del/Veh (s)	2.6	1.1	7.6	1.0	18.5	8.2	2.9

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.7	0.1	3.5	0.6	3.6	0.0	0.0	0.0
Total Del/Veh (s)	51.2	41.5	3.5	52.8	46.0	21.1	45.6	7.6	1.3	64.2	30.0	7.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	21.7

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	27.6

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	48	82	72	23	48	21
Average Queue (ft)	24	25	34	2	5	1
95th Queue (ft)	47	54	57	14	23	7
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	49
Average Queue (ft)	14
95th Queue (ft)	39
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	40	20	83	47	24	306	26	21	147	23
Average Queue (ft)	8	3	44	9	3	25	2	1	48	1
95th Queue (ft)	27	13	80	27	17	120	12	9	104	8
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0			1				
Queuing Penalty (veh)			0			0				

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	47	25	23
Average Queue (ft)	21	5	2
95th Queue (ft)	42	21	13
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	22	146	128	47	25
Average Queue (ft)	2	32	35	3	3
95th Queue (ft)	11	90	75	17	15
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	55	50	58
Average Queue (ft)	21	23	12
95th Queue (ft)	47	44	39
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	R	L	L	T	R	L	T	R
Maximum Queue (ft)	66	95	207	56	9	99	60	108	28	88	440	400
Average Queue (ft)	27	22	86	13	1	58	16	39	3	27	258	22
95th Queue (ft)	53	56	140	38	5	105	44	93	18	69	416	143
Link Distance (ft)		384		244	244			607			3458	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		80			500	500		290	210		210
Storage Blk Time (%)			15								16	
Queuing Penalty (veh)			4								11	

Network Summary

Network wide Queuing Penalty: 15

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.1	3.9	0.1	0.0	0.0	0.0	0.0	0.5	0.6	0.7	3.2
Total Del/Veh (s)	15.5	17.0	5.8	19.2	13.6	1.7	4.3	1.1	0.2	1.3	1.8	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	3.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.1	0.3	0.8	4.1	2.3	1.7

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.8	0.0	0.0	4.1	0.1	0.1	0.6	0.1	1.7	3.9	0.5	2.7
Total Del/Veh (s)	43.6	33.6	4.8	40.3	41.0	10.0	28.4	4.1	1.1	77.1	5.6	0.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	8.4

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	8.1	6.2	15.3	4.7	0.6	0.0	1.6	0.0	1.9

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	2.5	0.3	0.0	0.3	0.8	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.8	0.0	0.0	0.0
Total Del/Veh (s)	5.5	17.7	19.5	7.6	8.1	0.6	0.4	2.1	2.1	0.4	4.4

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.8	1.2	15.8	1.1	25.1	6.5	3.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.2	0.1	3.6	0.6	3.8	0.0	0.0	0.0
Total Del/Veh (s)	65.5	47.9	4.2	45.6	39.2	4.2	52.4	7.2	1.0	58.1	16.1	6.4

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	17.3

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	25.1

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	66	67	70	25	66	22
Average Queue (ft)	30	21	35	1	5	1
95th Queue (ft)	56	48	62	8	27	6
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	51
Average Queue (ft)	22
95th Queue (ft)	47
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T
Maximum Queue (ft)	24	36	102	39	28	93	27	27	224
Average Queue (ft)	8	10	40	7	7	19	1	3	72
95th Queue (ft)	25	27	83	24	24	66	9	16	142
Link Distance (ft)		1064		520		3458			761
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100		100		240		240	240	
Storage Blk Time (%)			0						0
Queuing Penalty (veh)			0						0

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	47	25	29
Average Queue (ft)	20	5	3
95th Queue (ft)	44	20	17
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	29
Average Queue (ft)	1
95th Queue (ft)	10
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	84	63	64	28
Average Queue (ft)	2	29	33	7	1
95th Queue (ft)	11	58	63	30	10
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	EB	WB	NB	NB
Directions Served	R	L	L	R
Maximum Queue (ft)	55	74	72	46
Average Queue (ft)	4	33	23	12
95th Queue (ft)	24	70	56	36
Link Distance (ft)			345	345
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	300	120		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	R	L	L	T	R	L	T	R
Maximum Queue (ft)	46	108	186	102	9	198	164	66	23	114	309	23
Average Queue (ft)	16	28	97	20	0	68	25	27	2	21	144	5
95th Queue (ft)	42	69	169	55	3	140	85	67	11	63	272	19
Link Distance (ft)		384		244	244			607			3458	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		80			500	500		290	210		210
Storage Blk Time (%)		0	18	0							3	
Queuing Penalty (veh)		0	5	0							2	

Network Summary

Network wide Queuing Penalty: 7

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.2	4.1	0.0	0.1	2.7	0.0	0.0	0.0	0.1	0.6	3.3
Total Del/Veh (s)	15.5	11.7	6.4	10.4	11.3	2.8	4.2	1.1	0.2	0.3	1.5	0.1

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	2.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.7	2.0	2.7	0.7	4.4	2.4	2.1

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.7	0.0	0.0	3.9	0.1	0.1	0.0	0.0	0.0	3.5	0.5	2.9
Total Del/Veh (s)	49.0	40.7	4.5	39.9	37.0	2.3	39.3	4.4	2.7	65.7	5.3	0.9

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	8.3

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	60.2	5.9	9.9	6.2	1.2	0.0	1.4	0.5	1.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0
Total Del/Veh (s)	10.0	2.3	0.4	0.0	0.8	0.8

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	12.7	30.8	31.5	8.4	6.8	0.8	0.3	1.7	2.1	0.7	5.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	3.1	1.1	15.3	1.3	35.7	16.2	4.0

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.8	0.7	0.3	3.5	0.6	3.4	0.2	0.0	0.0
Total Del/Veh (s)	36.4	32.3	4.7	41.4	35.4	14.2	62.9	6.3	2.2	53.1	21.1	8.1

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	19.6

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	28.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	25	43	51	25	49
Average Queue (ft)	11	21	29	3	4
95th Queue (ft)	31	40	51	15	26
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	50
Average Queue (ft)	17
95th Queue (ft)	42
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	20	80	38	49	53	27	45	203	27
Average Queue (ft)	4	6	30	4	7	17	4	4	69	1
95th Queue (ft)	18	20	65	20	28	50	18	21	146	9
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0							
Queuing Penalty (veh)			0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	49	25	114
Average Queue (ft)	20	7	12
95th Queue (ft)	40	25	58
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	29
Average Queue (ft)	6
95th Queue (ft)	25
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	153	110	28	25
Average Queue (ft)	2	39	46	9	2
95th Queue (ft)	14	102	91	28	12
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	74	74	53
Average Queue (ft)	35	28	20
95th Queue (ft)	68	58	51
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	44	43	148	92	208	170	85	28	47	459	21
Average Queue (ft)	10	14	66	20	107	66	31	7	17	169	9
95th Queue (ft)	31	37	113	58	181	138	69	24	43	307	25
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			11	1						4	
Queuing Penalty (veh)			4	2						2	

Network Summary

Network wide Queuing Penalty: 8

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.4	4.1	0.1	0.2	3.1	0.0	0.0	0.0	0.5	0.4	3.1
Total Del/Veh (s)	18.4	14.1	3.1	19.3	17.1	3.9	5.0	5.5	1.6	1.0	1.1	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.5
Total Del/Veh (s)	4.2

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.1	0.0
Total Del/Veh (s)	1.4	0.5	2.6	1.2	2.9	1.7

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.1	0.0	4.1	0.1	0.2	0.0	0.0	0.1	3.6	0.4	4.1
Total Del/Veh (s)	67.0	57.6	7.6	59.4	59.9	10.5	76.1	13.0	7.1	62.4	5.2	0.4

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.3
Total Del/Veh (s)	14.7

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Total Del/Veh (s)	17.5	3.0	11.3	2.1	1.2	0.4	1.5	0.8	0.1	1.1

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	14.1	3.6	1.1	0.7	3.8	0.7	1.0

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.4	0.0	0.0	0.1
Total Del/Veh (s)	13.5	5.1	18.5	6.5	0.2	2.1	0.7	6.9	1.1	0.0	2.7

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.2	0.1	0.0
Total Del/Veh (s)	2.1	0.6	8.2	3.1	20.4	5.3	4.0

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.1	4.0	0.3	0.5	3.1	2.0	3.3	0.0	0.0	0.0
Total Del/Veh (s)	70.1	38.3	2.7	51.2	48.0	29.7	50.7	11.8	2.5	51.6	26.6	6.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	1.4
Total Del/Veh (s)	25.0

Total Network Performance

Denied Del/Veh (s)	1.5
Total Del/Veh (s)	33.7

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	50	62	94	25	92	20
Average Queue (ft)	15	16	29	10	35	1
95th Queue (ft)	40	35	61	29	75	10
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	51
Average Queue (ft)	8
95th Queue (ft)	32
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	44	44	89	80	92	395	412	49	138	21
Average Queue (ft)	15	14	47	9	24	118	29	7	54	1
95th Queue (ft)	36	38	87	25	63	263	152	31	118	7
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			1			1				
Queuing Penalty (veh)			0			1				

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LT	LT
Maximum Queue (ft)	25	24	51	21
Average Queue (ft)	12	1	4	1
95th Queue (ft)	31	8	24	7
Link Distance (ft)	303	354	585	784
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	29	53
Average Queue (ft)	11	2
95th Queue (ft)	32	18
Link Distance (ft)	225	585
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	SB
Directions Served	LT	R	LTR	L
Maximum Queue (ft)	46	44	86	71
Average Queue (ft)	6	16	27	24
95th Queue (ft)	25	37	55	56
Link Distance (ft)	278	278	203	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	EB	WB	WB	NB	NB
Directions Served	R	L	T	L	R
Maximum Queue (ft)	22	54	429	97	75
Average Queue (ft)	1	20	0	43	33
95th Queue (ft)	7	50	0	76	55
Link Distance (ft)			384	345	345
Upstream Blk Time (%)			0		
Queuing Penalty (veh)			0		
Storage Bay Dist (ft)	300	120			
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	171	110	108	171	274	231	394	48	68	325	21
Average Queue (ft)	74	40	40	54	193	149	152	9	17	154	3
95th Queue (ft)	143	90	84	122	270	225	258	31	50	258	14
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)		0	3	9			1			4	
Queuing Penalty (veh)		0	3	6			5			1	

Network Summary

Network wide Queuing Penalty: 17

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	4.1	0.1	0.0	2.5	0.0	0.0	0.0	0.2	3.5	0.4
Total Del/Veh (s)	4.7	9.2	2.7	7.5	6.1	1.8	1.5	1.3	0.4	0.7	0.1	1.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.0
Total Del/Veh (s)	1.3	0.9	2.1	0.7	2.3	1.4

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.6	0.0	0.0	4.1	0.1	0.2	0.0	0.0	0.0	2.9	0.4	3.2
Total Del/Veh (s)	38.1	27.7	4.8	41.8	70.0	8.7	38.3	5.9	3.8	65.5	3.0	0.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	6.9

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)		0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)		2.9	6.9	1.1	0.8	0.1	0.5	0.2	0.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	5.7	3.2	0.7	0.1	2.6	0.4	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)		0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0
Total Del/Veh (s)		11.1	3.6	7.9	6.0	3.3	2.3	1.0	0.5	1.3	0.8	0.3

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.0
Total Del/Veh (s)	1.7

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.2	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.4	0.3	5.3	1.3	7.0	3.0	1.7

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.1	0.3	0.2	3.3	0.9	3.4	0.2	0.0	0.0
Total Del/Veh (s)	55.4	34.0	2.1	52.4	50.0	14.7	47.2	6.8	1.2	61.7	16.3	5.4

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.9
Total Del/Veh (s)	19.3

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	24.0

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	25	34	33	24	33
Average Queue (ft)	9	13	13	2	4
95th Queue (ft)	28	28	36	11	20
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	6	55
Average Queue (ft)	0	10
95th Queue (ft)	0	34
Link Distance (ft)	1064	511
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	32	39	84	20	36	106	32	28	96	20
Average Queue (ft)	5	8	25	2	7	25	2	3	29	1
95th Queue (ft)	21	26	64	11	26	77	16	16	76	9
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0							
Queuing Penalty (veh)			0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	25	25	20
Average Queue (ft)	8	4	1
95th Queue (ft)	26	18	12
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	29	14
Average Queue (ft)	17	1
95th Queue (ft)	40	14
Link Distance (ft)	225	585
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	18	53	63	27	15
Average Queue (ft)	1	13	24	5	1
95th Queue (ft)	10	33	46	20	6
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	45	47	30
Average Queue (ft)	8	16	15
95th Queue (ft)	32	41	36
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	61	64	125	64	188	131	162	24	76	242	20
Average Queue (ft)	16	22	47	17	94	51	55	3	26	103	5
95th Queue (ft)	44	52	101	47	162	110	123	17	62	197	17
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			4	0						1	
Queuing Penalty (veh)			1	0						0	

Network Summary

Network wide Queuing Penalty: 2

RESOLUTION #23-223

APPROVING RECORD OF DECISION AND THE NEGATIVE DECLARATION OF NEED FOR AN ENVIRONMENTAL IMPACT STATEMENT FOR THE HAVILAND FIELDS DEVELOPMENT

WHEREAS, Senior Housing Partners ("Proposer") proposes to redevelop a 35.5-acre site to construct 22 townhomes and three multifamily residential buildings with 476 total units located between MN Highway 47 (St. Francis Blvd NW) and County Rd 5 (Nowthen Blvd NW) in Ramsey; and

WHEREAS, the project crosses the threshold of a mandatory environmental assessment worksheet ("EAW") by having a total of more than 375 attached units for a residential development per Minnesota Rules, part 4410.4300, subpart 19; and

WHEREAS, the EAW was prepared by Kimley-Horn on behalf of the Proposer, who submitted completed data portions of the EAW to the City of Ramsey consistent with Minnesota Rules, part 4410.1400; and

WHEREAS, the EAW was prepared using the form approved by the Minnesota Environmental Quality Board (EQB) for EAWs in accordance with Minnesota Rules, part 4410.1300; and

WHEREAS, the City of Ramsey submitted a copy of the EAW to all public agencies on the EAW distribution list and published EAW availability in the EQB Monitor on August 1, 2023, in accordance with applicable state laws, rules, and regulations; and

WHEREAS, the EAW comment period lasted from August 1, 2023 to August 31, 2023, and four (4) regulatory agencies and seven (7) members of the public submitted written comments during the comment period; and

WHEREAS, the City of Ramsey acknowledges the comments received from the Metropolitan Council, Minnesota Department of Agriculture, Minnesota Department of Natural Resources, Minnesota Department of Transportation, and seven (7) members of the public; and

WHEREAS, city staff reviewed the proposed record of decision and finds it to be consistent with the evidence submitted to the city and the applicable statutes and regulations, to the best of their knowledge, and recommends the city council approve the findings of fact and record of decision dated September 2023 and determine that no environmental impact statement ("EIS") is necessary, reasonable or warranted with respect to the Project under the circumstances; and

WHEREAS, the City Council desires to make findings of fact and a record of decision that no EIS is required with respect to the Project ("Negative Declaration").

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, COUNTY OF ANOKA, STATE OF MINNESOTA, as follows:

1. Adopt and approve the findings of fact and record of decision for the Haviland Fields

Development environmental assessment worksheet in the form which is attached hereto as Exhibit A and hereby makes the findings of fact and conclusions which are contained therein; and

2. Find and determine that, based upon the findings of fact and record of decision, no environmental impact statement is required for the Project pursuant to the Minnesota Environmental Policy Act or Minnesota Rules, parts 4410.0200 to 4410.6500.

HAVILAND FIELDS DEVELOPMENT
Findings of Fact and Record of Decision

City of Ramsey
September 2023

1. Administrative Background

Senior Housing Partners is proposing to redevelop an approximately 35.5-acre site. The Haviland Fields project is a proposed development that is anticipated to consist of 22 townhomes and three multifamily residential buildings with 476 total units located between MN Highway 47 (St. Francis Blvd NW) and County Rd 5 (Nowthen Blvd NW) in Ramsey, Anoka County, Minnesota. The 35.5-acre site consists of existing institutional use and two residential properties. Only the two existing residential buildings will be demolished.

The City of Ramsey is the Responsible Governmental Unit (RGU) for this project. An Environmental Assessment Worksheet (EAW) has been prepared in accordance with Minnesota Rules Chapter 4410. The EAW was mandatory per Minnesota Rules, part 4410.4300, subpart 19: Residential Development.

The EAW was filed with the Minnesota Environmental Quality Board (EQB) and circulated for review and comment to the required distribution list. A notice of availability was published in the *EQB Monitor* on August 1, 2023. This notice included a description of the project, information on where copies of the EAW were available, and invited the public to provide comments.

The EAW was made available electronically on the City of Ramsey's website at https://cityoframsey.com/989/Haviland-Fields.

The EAW comment period extended from August 1 to August 31, 2023. Written comments were received from four agencies and seven members of the public. All comments received were considered in determining the potential for significant environmental impacts.

Based on the information in the record, which is composed of the EAW for the proposed project, the comments submitted during the public comment period, the responses to comments, and other supporting documents, the City of Ramsey makes the following Findings of Fact and Conclusions.

2. Findings of Fact

2.1 Project Description

Senior Housing Partners are proposing to develop an approximately 35.5-acre site is located between MN Highway 47 (St. Francis Blvd NW) and County Rd 5 (Nowthen Blvd NW) in Ramsey, Minnesota. The Haviland Fields Development consists of one parcel with consisting of an existing institutional building and two residential properties. The institutional building will remain; the two existing residential buildings will be demolished. The residential development proposal will include 22 townhomes and three multifamily residential buildings. Construction is anticipated to begin in Spring 2024 and be completed in multiple phases over the next three to four years.

2.2 Corrections to the EAW or Changes to the Project since the EAW was Published

Section 12.iii, Water Appropriation has been updated to including information regarding water supply for the proposed development, which will be obtained from the City of Ramsey's water system. The existing city water supply is capable of handling the new development. See the EAW for more detail.

2.3 Substantive Comments/Comments Received and Responses to These Comments

The City received four (4) agency comment letters and seven (7) public comment letters during the public comment period, which extended from August 1 to August 31, 2023:

Agency Comments

1. Metropolitan Council (August 14, 2023)
2. Minnesota Department of Agriculture (August 1, 2023)
3. Minnesota Department of Natural Resources (August 29, 2023)
4. Minnesota Department of Transportation (August 31, 2023)

Public Comments

5. Brandon Folta (August 1, 2023)
6. David Drake (August 3, 2023)
7. Alexandria St John (August 1, 2023)
8. Anonymous Ramsey Resident (July 28, 2023)
9. Ben Flake (August 30, 2023)
10. Rick Bailey (August 22, 2023)
11. Logan Lewis (August 30, 2023)

The following sections provide a summary of these comments and responses to them. See Attachment A for the comment letters.

Agency Comments and Responses

Agency	Comment	Response
Metropolitan Council	Our Water Resources reviewers have determined that the EAW – Haviland Fields is Incomplete because the EAW doesn't discuss water supply. The following is needed before an EIS determination is made: Our Water Resources reviewers have determined that the EAW – Haviland Fields is Incomplete because the EAW doesn't discuss water supply. The following is needed before an EIS determination is made: The EAW does not include information under the water appropriation section regarding the water supply source. If connecting to the municipal system, please ensure the water demand for the development can be met and aligns with the Ramsey local water supply plan.	The water supply will be obtained from the City of Ramsey's water system, which is a groundwater based public water supply. Water mains to service the site area provided within adjacent roadway right-of-way, and a preliminary review indicates that the existing infrastructure is sufficient for the anticipated development. The City is in process of building a new water treatment facility that is anticipated to be online late 2024. This has been added to the EAW in Attachment B.
	The project is adjacent to a city of Ramsey drinking water supply management area (DWSMA). Source water protection objectives and activities are outlined in the Ramsey wellhead protection plan. The project would benefit by considering source water protection goals and strategies during the development and post-development activities on site.	Comment noted. Water protection goals and strategies will be evaluated and implemented as appropriate as design plans are finalized.
	The wetland within the project area is mapped as having a connection to underlying aquifers and is surrounded by sandy surficial deposits. Any contaminants that enter the ground on site may move relatively easily to the wetland and underlying groundwater system.	Comment noted. Effective erosion prevention and sediment control practices will be implemented and maintained near the water resources on site throughout the duration of the project.
	Two domestic wells have been identified on site. Sealing these wells according to MDH guidelines is essential to protect groundwater and water supplies. Additionally, 2 storage tanks are identified on site. The recommended Phase 2 subsurface investigation should be conducted. Tank removal and remediation would benefit nearby source waters.	Comment noted. The proposed plan is to abandon and seal per MPCA/MDH requirements and connect to the City water system.
	The EAW mentions repurposing these wells for irrigation on site. This activity should be evaluated to determine if the wells are in condition to meet the irrigation demands. Potential impacts on the groundwater source and related connection to the nearby wetland should also be considered. To avoid the need for irrigated water from a groundwater source on site or from a treated municipal supply, on-site reuse options should be explored. Sites planted with native drought tolerant landscaping require less water and fertilizers than turfgrasses. In areas planted with turfgrasses, selecting low-input (water and nutrients) species will help to limit unnecessary water use and lower maintenance costs. If irrigation systems will be installed on-site, using smart irrigation controllers that are connected to soil moisture sensors and real-time weather data will help to ensure that water is used efficiently, helping to keep costs down and lessen stress on water resources.	Comment noted. These factors will be considered when deciding if the wells can be used for irrigation.

Agency	Comment	Response
	Forecasts (Todd Graham, 651-602-1322) The development proposal includes 498 housing units, mainly in multifamily buildings. This equates to one-quarter of the current decade growth forecasted in Ramsey. Council and City staff can discuss this at the time of the next comprehensive plan amendment. Should this project advance, Transportation Analysis Zone allocations for Ramsey will need updates. The Haviland Fields site is the southern end of TAZ #54. The City anticipated minimal growth in this area. The City's 2040 Plan expects TAZ #54 to gain 12 (twelve) households and no population during 2020-2040. These expectations will need revision to account for the proposed 498 households.	Comment noted. If this occurs, the city will coordinate with the Metropolitan Council to determine any changes needed to TAZ forecasts.
	Housing (Olivia Boerschinger, 651-602-1327) The City is currently inconsistent with the Council's *Housing Policy Plan*. The 2040 Plan provides insufficient land guided to address the City's share of the region's 2021-2030 need for affordable housing by 233 units. The proposed development in the EAW increases the City's inventory of land guided to support the development of low- and moderate-income housing. A comprehensive plan amendment has not been submitted for this development/change but will be needed. With the development proposed in the EAW, the Plan would guide approximately 35 acres of previously low density residential, to high density residential, such that 280 units could be built. This proposal would provide sufficient land guided for affordable housing and address the City's share of housing need. The proposed development does not specify if any units will be made affordable. When the City submits a comprehensive plan amendment determined consistent with the *Housing Policy Plan,* eligibility for participation in Livable Communities Act (LCA) programs can be restored.	Comment noted. The project will note whether any affordable housing units will be included during the submittal of the comprehensive plan amendment.
	Item 10 – Transportation (Victoria Dan, Metro Transit 612-349-7648) While it is true that there is no transit service currently operating within one mile of the site, the nearest park-and-ride facility is at Anoka Station approximately 2 miles away, providing access to Northstar Commuter Rail as well as suburban local Route 805.	Comment noted. Thank you for your review.
MN Department of Agriculture	Minnesota Department of Agriculture appreciates the opportunity to review and comment on the Haviland Fields EAW. After reviewing the document I have determined that this project will pose no impacts to agricultural lands or activities. We have no further comments.	Comment noted. Thank you for your review.
MN DNR	**Page 14, Stormwater**. The increase in impervious surfaces will also increase the amount of road salt used in the project area. Chloride released into groundwater as well as local lakes and streams does not break down, and instead accumulates in the	Comment noted. The project proposer and/or building manager will complete the Smart Salting Training offered through the MPCA to help reduce salt and chloride use.

Agency	Comment	Response
	environment, potentially reaching levels that are toxic to aquatic wildlife and plants. Consider promoting local business and city participation in the Smart Salting Training offered through the Minnesota Pollution Control Agency. There are a variety of classes available for road applicators, sidewalk applicators, and property managers. More information and resources can be found at this website. Many winter maintenance staff who have attended the Smart Salting training — both from cities and counties and from private companies — have used their knowledge to reduce salt use and save money for their organizations. We also encourage cities and counties to consider how they may participate in the Statewide Chloride Management Plan and provide public outreach to reduce the overuse of chloride. Here are some educational resources for residents as well as a sample ordinance regarding chloride use.	The City will also consider how they participate in the Statewide Chloride Management Plan and project public outreach to reduce chloride use.
	Page 14, Stormwater. We encourage the development to use weed-free, native seed mixes in landscaping and stormwater features to the greatest extent possible in order to provide pollinator and wildlife habitat.	Comment noted. Disturbed areas will be reestablished using appropriate native seed mixes, and native plants will be used in landscaping to help absorb water and reduce the water demand for irrigation.
	Page 14, Stormwater. Please make sure that all required avoidance measures for the Blanding's turtle (state-threatened), are incorporated into the SWPPP and construction plans. This section should mention that only wildlife-friendly erosion control materials will be used.	Comment noted. The Threatened and Endangered Species section notes that the use of erosion control blankets shall be limited to "bio-netting" or "natural-netting" types, and specifically not products containing plastic mesh netting or other plastic components.
	Page 21, Rare Features. This section states that minimal tree removal will be required as part of the project, however, Table 3: Cover Types shows that the project proposes to remove over seven acres of trees, which is a large impact in such a developed area and near a river corridor. Even if significant trees are replaced, it will take decades for new trees to grow enough to provide the same ecological benefit. We strongly encourage the proposer to preserve as many trees as possible.	Comment noted. Further ways to minimize tree removal will be considered as the project design advances.
	Page 21, Rare Species. This section states that no impacts to Blanding's turtles are anticipated because the project will not be impacting wetlands. That is incorrect since Blanding's turtles also use upland sites and can travel great distances. The EAW should identify which fact sheet recommendations the proposer is willing to commit to in addition to the required avoidance measures. The Blanding's turtle fact sheet contains several measures regarding	Comment noted. The project proposer is committed to following the measures identified in the Blanding's turtle fact sheet as noted in Section 14 of the EAW.

Agency	Comment	Response
	wetland buffers, roads, utilities, and landscaping that are pertinent to this type of project. The DNR recommends a wider buffer than the proposed 16.5' wetland buffer as well as the use of surmountable curbs. Please also refer to the required avoidance measures for Blanding's turtle that were provided in the July 7, 2023 Natural Heritage letter and have been copied below: Blanding's turtles (*Emydoidea blandingii*), a state-listed threatened species, have been documented in the vicinity of the proposed project. Blanding's turtles use upland areas up to and over a mile distant from wetlands, waterbodies, and watercourses. Uplands are used for nesting, basking, periods of dormancy, and traveling between wetlands. Factors believed to contribute to the decline of this species include collisions with vehicles, wetland drainage and degradation, and the development of upland habitat. Any added mortality can be detrimental to populations of Blanding's turtles, as these turtles have a low reproduction rate that depends upon a high survival rate to maintain population levels. This project has the potential to impact this rare turtle through direct fatalities and habitat disturbance/destruction due to excavation, fill, and other construction activities associated with the project. Minnesota's Endangered Species Statute (*Minnesota Statutes*, section 84.0895) and associated Rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the take of threatened or endangered species without a permit. As such, the following avoidance measures are required: Avoid wetland and aquatic impacts during hibernation season, between September 15th and April 15th, if the area is suitable for hibernation. The use of erosion control blanket shall be limited to 'bio-netting' or 'natural-netting' types, and specifically not products containing plastic mesh netting or other plastic components. Also, be aware that hydro-mulch products may contain small synthetic (plastic) fibers to aid in their matrix strength. These loose fibers could potentially re-suspend and make their way into Public Waters. As such, please review mulch products and do not allow any materials with synthetic (plastic) fiber additives in areas that drain into Public Waters. Construction areas, especially aquatic or wetland areas, should be thoroughly checked for turtles before the use of heavy equipment or any ground disturbance.	

Agency	Comment	Response
	The Blanding's turtle flyer must be given to all contractors working in the area. Monitor for turtles during construction and report any sightings to the DNR Nongame Specialist, Erica Hoaglund (Erica.Hoaglund@state.mn.us). If turtles are in imminent danger they must be moved by hand out of harm's way, otherwise, they are to be left undisturbed. If following the above avoidance measures is not possible, please contact NHIS.Review@state.mn.us as further action may be needed. For additional information, see the Blanding's turtle fact sheet, which describes the habitat use and life history of this species. The fact sheet also provides two lists of recommendations for avoiding and minimizing impacts to this rare turtle. Please refer to both lists of recommendations and apply those that are relevant to your project. For further assistance regarding the Blanding's turtle, please contact the DNR Regional Nongame Specialist, Erica Hoaglund.	
	Page 22, Visual. Given the proximity to a river corridor, development lighting is an important consideration. Animals depend on the daily cycle of light and dark for behaviors such as hunting, migrating, sleeping, and protection from predators. Light pollution can affect their sensitivity to the night environment and alter their activities. In addition to the undesirable effects of upward facing lighting, the hue of lights can also affect wildlife. LED lighting has become increasingly popular due to its efficiency and long lifespan. However, these bright lights tend to emit blue light, which can be harmful to birds, insects, and fish. The DNR recommends that any projects using LED luminaries follow the MnDOT Approved Products for luminaries, which limits the uplight rating to 0, and the maximum nominal color temperature to 4000K.	Comment noted. The project will consider MnDOT Approved Products. Thank you for your review.
MnDOT	**Right of Way** The residential driveway connecting to MN 47 should be removed early in the construction process and should not be used for construction vehicle use. Please contact Mike Lynch, Metro Right of Way, at 651-234-7558 or Mike.lynch@state.mn.us with any questions	Comment noted.
	Pedestrian and Bicycle Currently there is a trail running NW, on the north side of CR 5, from the intersection of MN 47 and CR 5. There is also a trail running N/S on the east side of MN 47. MnDOT will be completing a mill and overlay of this section of MN 47 in 2028. Some trail connections and crossings will change at that time. As part of this project, MnDOT will be removing the pedestrian crossing on the south leg of the MN 47/CR 5 intersection. There are no destinations or sidepath in	The project proposer will evaluate the need for potential pedestrian crossings.

Agency	Comment	Response
	the SW quadrant, and the channelized right turn is hazardous to pedestrians without a clear destination. MnDOT suggests the developer work with the county to install a pedestrian crossing across CR 5 to Iodine St NW to provide access to the trail. MnDOT recommends the developer ensure that the both the sidewalk ramps on the driveways and the ramps for the internal crosswalk through the parking lot meet American with Disabilities Act (ADA) standards. We also advise that the internal crosswalk and sidewalks around the building should maintain a Pedestrian Access Route (PAR) of at least 4 feet in width. Standard plans are available on MnDOT's ADA page here: http://dot.state.mn.us/ada/design.html. We also strongly recommend raising the street level to meet major trail crossings so that the trails remain level for their users and vehicles have extra reinforcement for giving pedestrian and cyclists the right of way. Please contact Sara Dunlap, Pedestrian, Bicycle and ADA Planning, at sara.dunlap@state..mn.us or 651-234-7725 with any questions.	
	Traffic This project will likely add stress to the MN 47/CR 5 intersection. This intersection is already in disrepair and has an acceleration lane to SB MN 47 that backs up the morning rush hour. This intersection should be monitored closely once the development approaches or reaches build conditions. Please contact Danial Backsen, Anoka Truck Station Supervisor, at 763-279-4050 or danial.backsen@state.mn.us with any questions. The 2028 mill and overlay project will also put fiber and cameras in place to monitor this intersection. Please contact Ashley Hansen, North Area Traffic Safety, at 651-234-7815 orrojecy.hansen@state.mn.us with any questions. Please contact Ashley Hansen, North Area Traffic Safety, at 651-234-7815 orrojecy.hansen@state.mn.us with any questions.	Comment noted.
	Water Resources A MnDOT drainage permit is required before development occurs. The permit applicant shall demonstrate that the off-site runoff entering MnDOT drainage system(s) and/or right of way will not increase. The drainage permit application, including the information below, should be submitted online to: https://olpa.dot.state.mn.us/OLPA/. Please upload this letter with the drainage permit application. The following information must be submitted with the drainage permit application: 1. Grading plans, drainage plans, and hydraulic calculations demonstrating that proposed flows to	The project proposer will apply for a drainage permit before development occurs.

Agency	Comment	Response
	MnDOT right of way remain the same as existing conditions or are reduced. 2. Existing and proposed drainage area maps with flow arrows and labeling that corresponds with the submitted calculations. 3. Hydro CAD model and PDF of output for the 2, 10, and 100-year Atlas 14 storm events. Once a drainage permit application is submitted, a thorough review will be completed and additional information may be requested. Please contact Jason Swenson, Water Resources Engineering, at 651-234-7539 or jason.swenson@state.mn.us with any questions. Please contact Jason Swenson, Water Resources Engineering, at jason.swenson@state.mn.us or 651-234-7539 or with any questions.	
	Noise MnDO''s policy is to assist local governments in promoting compatibility between land use and highways. Residential uses adjacent to highways often result in complaints about traffic noise. Traffic noise from this highway could exceed noise standards established by the Minnesota Pollution Control Agency (MPCA), the U.S. Department of Housing and Urban Development, and the U.S. Department of Transportation. Minnesota Rule 7030.0030 states that municipalities with the authority to regulate land use shall take all reasonable measures to prevent the establishment of land use activities, listed in the MPC''s Noise Area Classification (NAC), anywhere that the establishment of the land use would result in immediate violations of established State noise standards. MnDOT policy regarding development adjacent to existing highways prohibits the expenditure of highway funds for noise mitigation measures in such developed areas. The project proposer is required to assess the existing noise situation and take the action deemed necessary to minimize the impact to the proposed development from any highway noise. If you have any questions regarding MnDO''s noise policy, please contact Natalie Ries in Metro District's Noise and Air Quality Unit at 651-234-7681 orrojecte.ries@state.mn.us.	A noise study will be completed as part of the City's entitlement process to understand the existing and proposed noise conditions and identify any potential mitigation that may be needed so the proposed project complies with the local and state regulations.
	Permits Any other work that affects MnDOT right of way will require an appropriate permit. All permits are available and should be submitted at: https://olpa.dot.state.mn.us/OLPA/. Please upload this letter when applying for any permits. For questions regarding permit submittal requirements, please contact Buck Craig of MnDOT's Metro District Permits Section at 651-775-0405 (cell) or buck.craig@state.mn.us.	The project proposer will apply for permits if additional work is done that affects MnDOT right of way.

Public Comments and Responses

Name	Comment	Response
Bandon Folta	As a resident of Ramsey I am sick and tired of all the townhouses and apartments being put up in the city leave the city alone !! We are loosing the country feel!!	Comment noted.
David Drake	I have looked at the info from Havilland Fields & disagree with the report on page 28 to30, concerning the entrance into this new building from co. rd 5 (church property). The LOS data on traffic flow at A. This fine for 2023 but not for 2027. The LOS for the latter date is also A, which I believe is a gross error. It should be either C or D. I currently live at Stoney River & see the actual traffic every AM & know that the real traffic loads as shown on the data report can't be correct. I request that more info be obtained at this intersection. Thank you. DD	Comment noted. Regarding the site's generated traffic, it was estimated that the number of units should be estimated 10% higher than the current design includes.
Alexandria St John	Dear Mr Larson I am writing to express my vehement objection to the proposed development of the Lord of Life property in our community. As a concerned resident, I feel compelled to outline the potential devastating impact this development could have on our surrounding communities, families, and neighbors. First and foremost, the increase in traffic, landscape alterations, and population growth resulting from this development will undoubtedly disrupt the peaceful and safe environment that we currently enjoy. The influx of additional vehicles will lead to congestion, making it harder for residents to commute and risking the safety of pedestrians, especially children and elderly individuals. Furthermore, the proposed development does not seem to align with the recent developments in surrounding communities, which have not shown a need for such expansion. Instead, it appears to be driven by developers' interests without considering the genuine needs and desires of the families in our community. Speaking of which, I want to emphasize that the families in our neighborhood do not want this development. Many of the residents have made their voices heard in various forums, expressing their strong opposition to this project. It is crucial to respect the wishes of the community members who will be directly affected by this development. The potential consequences of this development extend beyond mere inconvenience; it has the potential to push the area to be overpopulated, leading to the displacement of many long-standing residents. Moreover, our already burdened schools would be overwhelmed by the influx of new students, making it challenging for them to provide quality education.	Comment noted.

Name	Comment	Response
	Another grave concern is the increase in crime that often accompanies rapid urbanization and population growth. The introduction of a large development like this can bring in outsiders and transient populations, leading to potential security risks and jeopardizing the safety of our families.	
Anonymous (Ramsey Resident)	To Whom it May Concern, Minnesota Rule 4410.1100 requires that EAWs shall address "known government approvals, reviews, or financing required, applied for, or anticipated and the status of any applications made, including permit conditions that may have been ordered or are being considered". Additionally, page 8 of the EAW states that the applicant is supposed to list "all direct and indirect forms of public financial assistance including bond guarantees, Tax Increment Financing, and infrastructure". Despite these requirements, the Haviland Fields EAW makes no reference to and does not address the Business Assistance Application for Tax Increment Financing (TIF) made to the City of Ramsey and reviewed by the city of Ramsey Economic Development Authority at their July 13, 2023 meeting. Therefore, the Haviland Fields EAW does not meet the EAW Content requirements established by Minnesota Rule 4410.1100 and should not have been distributed for public comment as it contains insufficient information to adequately be reviewed by residents of the community. The City Council should find the EAW insufficient and require an additional public comment period once the required information on public financing is included within the EAW. Sincerely, Ramsey Resident Haviland Fields EAW Comments: 1. In what ways will stormwater management facilities be designed to reduce the risks of flooding? 2. Currently the EAW shows that no trees will be planted, however, wouldn't the City of Ramsey require a certain number of trees to be replanted at a minimum? IF so, how many trees would that be? 3. The EAW indicates that a comprehensive plan amendment, as well as various other applications, would be applied for if needed. Isn't the applicant or the City of Ramsey aware of what applications are needed at this time? Since a site plan has already been submitted for review along with the application for business assistance it seems like the City of Ramsey and the applicant	Comment noted. TIF assistance from the city has not been approved. 1. Per section 10.a.iv, the project is outside of FEMA 100-year floodplain areas; therefore, minimal flood risk is anticipated. 2. The landscape architecture plan, including the tree mitigation plan, will be development as the project moves forward. Per the City of Ramsey Code of Ordinances, Selective removal of natural vegetation is allowed, provided that sufficient vegetative cover remains to screen cars, dwellings and other structures when viewed from the water. 3. Comment noted. 4. Comment noted, the landscape architecture plan, including the tree mitigation plan, will be development as the project moves forward. 5. The project manager will promote travel options that will reduce the use of greenhouse gases. 6. Per section 20.a, the project will include approximately 619 new parking spots. 7. Traffic analysis is completed using a simulation to represent actual conditions. In the case of Iodine Street, there are few turning movements so the LOS is impacted more significantly if a single vehicle experiences higher delay. 8. Comment noted, see above. 9. Comment noted. 10. A Residential New Townhouse Unit is a

Name	Comment	Response
	should have at least some idea of what permits are required for the project, such as comprehensive plan amendment, and that information should have been included within the EAW. 4. Section 14.C states that there will be minimal tree removal, however, the EAW indicates that 7.37 acres of wooded forested acres will be removed constituting over half of the trees on site. How is this minimal tree removal? 5. Section 18.b.ii indicates that the project will develop a travel demand management plan to reduce use of single occupancy motor vehicles, and increase walking, bicycling, and transit as primary modes of travel to reduce GHG emissions from mobile sources. How will this be developed, given the limited transit in the community and limited suitable weather to bike and walk? The EAW itself states that no transit facilities are within 1 mile of the project, so is the project proposing to create their own transit network and facilities? Say, to link their project with the nearest MetroTransit bus stop or train station via their own private bus service? 6. Is the plan for the residential areas to utilize the church parking lot? 7. CSAH 5 & Iodine St level of service starts at E in the PM for existing year 2023 but then goes to A in opening year no build and D in opening year 2027/ The text does not indicate any changes to this intersection, so if the project isn't built how would the level of service improve from E to A as the traffic analysis suggests? 8. On page 7, the EAW states that based on the "land surface temperate" at the project site during a heatwave in 2016 the site is susceptible to extreme heat. Won't removal of 59.4% of the tree canopy and no additional plantings contribute to the urban heat island effect and/or make the site a less desirable place to live? 9. There are lots of conflicting statements throughout the EAW that indicate that natural resources will be preserved, however in reality the majority of natural resources are going to be impacted and/or removed as part of the project. 10. On page 9 the EAW indicates that a "Residential New Townhouse Unit" as a type of application. What is a "Residential New Townhome Unit Application"?	required permit for this development. The permit application must include a site plan, a Certificate of Survey, a Residential Energy Code Compliance Certificate, and a Sub-Contractor List. The building permit shall be kept on the site of work until the completion of the project, and shall specify the name and address of the applicant and the general contractor.

Name	Comment	Response
Ben Flake	My name is Ben Flake, I live on Fluorine Street with me wife and four small children. We were originally under the impression that there would be no buildings next to our property. However, we were disappointed to see that in the recent Haviland Fields proposal, the townhomes would back up to our house. If the project moves forward we would feel much more comfortable if they installed a barrier between our property and the townhomes. Whether that barrier be a fence or a green barrier made up of plants like white pines and shrubs. I believe most the neighbors would agree with the installation of a barrier. Thanks	Comment noted. Aspects of the site plan may change as the project develops. Vegetation along the existing fence line will be considered.
Rick Bailey	My name is Rick Bailey and I live @ 5021 Xkimo Ct. Nw., on the east side of 47 across from Stoney River and Lord of Life. From the letter we received it mentioned to direct questions and comments to you regarding the Haviland Fields proposed development. My primary concerns with such a large development are regarding noise levels. The noise pollution that would result alone from the increase in traffic is part of it (as 47 and 5 are already heavily congested) and noise levels are high, and equally important/of concern is traffic noise deflecting off of the buildings and into our neighborhoods. For example, when Stoney River was built, it unfortunately brought quite a bit of additional noise into our neighborhood as there is no existing noise wall in place. My related question is if the development is approved to proceed, will there be/can there be a requirement to build a noise wall on the east side of 47, to protect the existing neighborhoods? I'm also cc'ing a few of my neighbors in our cul-de-sac so they can hear any updates/information and Deb Musgrove who is familiar with our existing noise concerns. Thank you	A noise study will be completed as part of the City's entitlement process to confirm that the proposed project complies with the local and state regulations. MnDOT and Federal Highway Association (FHWA) have published studies analyzing the reflective affect of structures on adjacent communities. As a vehicle travels along a highway, it generates sound. Tires, engines, and exhaust systems are the biggest contributors to the sound you hear. As the sound travels outward, it interacts with the ground, buildings, and highway noise barriers. Sound can be reflected or absorbed by these objects. Reflections off a structure increase the level of sound by a small amount on the opposite side of the highway. In this case, you may hear both the direct sound from the vehicle and the sound reflected off the barrier. Your experience of reflected sound will depend on the vehicle type and your distance from the barrier as well as the angle of the reflection, the characteristics of the ground and terrain, distance, barrier dimensions, and other nearby noise sources. The noise increase is usually small and may not be noticeable, but other times it may seem louder because the reflections make the sound of each passing vehicle seem to last longer. More information is available at the following links:

Name	Comment	Response
		https://www.dot.state.mn.us/environment/noise/studies.html https://www.trb.org/NCHRP/Blurbs/178305.aspx It is unlikely that given the traffic volumes on Hwy 47 (approximately 12,000 vehicles per day in 2021) and speeds (55mph posted speed limits) that this situation would result in noise levels that are above the city standards east of the highway; however, the need to analyze this affect, as well as any mitigation, will be determined in the noise study.
Logan Lewis	1. I have a few observations after reading through the EAW, but my first one regards to 6d on pg3. Sources and detailed information are plentiful throughout the document, but all this subsection states is that the project aims to address the housing needs in Ramsey. What set of research and sources is this goal utilizing? What are the referenced housing needs of Ramsey? 2. 14c. This section states "Minimal tree remove will be required as part of the project." However, this is contradicted in "Table 5: Trees" where number of trees to be removed is approximated at 964 trees, or 59.4% of existing trees in the project area. "Minimal" needs a set definition as it pertains to this document. Additional tree cover will only reduce the short- and long-term negative impact of the GHG effect, especially with so much additional asphalt surface being added in the project site. Please place significant consideration and effort into maintaining as much existing tree cover as possible. 3. Along with the approximated amount of tree removal, maintaining a wall of wooded tree cover between the project area and the south side of Birch Hill Lodges' southeastern most side street would greatly benefit the existing townhome community by combatting noise pollution (both during and after the project) and heat from the nearly doubling of nearby asphalt surface, as well as reducing the projected tree removal. Please seriously consider incorporating a portion of this existing wooded wall into the north edge building setback, as well as adding a similar wooded buffer on the adjacent side street also bordering the north edge of the project	1. Comment noted. Cities are allocated housing units by the Metropolitan Council as part of the region's growth goals. Based on feedback from our business community trying to attract employees, there is a demand for high-quality rentals in the community to provide housing for the jobs in Ramsey. 2. Aspects of the site plan may change as the project develops. The project aims to minimize tree clearing as possible, and further ways to minimize tree removal, including planting new tress, will be considered as the project design advances. 3. Vegetation along the fence line will be considered to promote additional privacy for both existing homes and new townhomes. 4. Walking trails are not being considered as part of the project in this area, as the neighborhood generally objected to public spaces and walking rails during the neighborhood meeting in fall 2022. Minimal impacts to bat species are anticipated as part of this project.

Name	Comment	Response
	site. It would also promote additional privacy for both the existing townhomes and the potential new townhomes. 4. **Ideally, the described existing wooded area would prove beneficial and resourceful if trails are being considered as a part of this project. Why not leave the tree cover there and only clear what is needed to construct a path?** Additionally, allowing those trees to remain untouched would greatly benefit the endangered Northern Long-eared Bat and the proposed-endangered Tricolored Bat. The DNR's listed protections and actions concerning the threatened/endangered/proposed-endangered species don't actually seem to be stipulating much protection of their existing homes, albeit not officially designated "critical habitats." (Appendix C, pg 1-4 plus succeeding detailed pages.) 5. 18b. and 7b. The Geothermal energy source "may" continue to be used. This should be necessary and confirmed, especially considering the amount of tree removal estimated to take place (approximated in "Table 5: Trees"). The geothermal source is also referenced in Table 2: Climate Considerations and Adaptations. It is stated in the last row of this table that, in regards to project construction, "Existing on-site geothermal panels will provide a portion of the sites energy usage." Please consider this being a requirement along with a minimum % goal for the length of construction. 6. 20a-b. Traffic studies. Additional signalized intersection should be included in the traffic study, as the majority of bottlenecking occurs in north and south directions: MN-47 & Bunker Lake Blvd // MN-47 & Pleasant St. Severe bottlenecks occur in both AM and PM rush periods which would be further exacerbated by an additional 113-168 trips estimated in "Table 7: Trip Generation Forecast." I also feel that this table underestimates the potential effects the additional vehicle flow will cause at the CSAH 5 & Lord of Life Access intersection, namely during AM and Sunday peak hours, requiring left-hand turns onto CSAH 5 from the Lord of Life Access into often relentless eastbound traffic.	5. Comment noted. Aspects of the site plan may change as the project develops. 6. Comment noted. Study intersections were determined based on conversations with the City.

3. Conclusions

1. All requirements for environmental review of the proposed project have been met.
2. The EAW and the permit development processes related to the project have generated information that is adequate to determine whether the project has the potential for significant environmental effects.
3. Areas where potential environmental effects have been identified will be addressed during the final design of the project. Mitigation will be provided where impacts are expected to result from project construction, operation, or maintenance. Mitigation measures are incorporated into project design and have been or will be coordinated with state and federal agencies during the permit process.
4. Based on the criteria in Minnesota Rules, part 4410.1700, the project does not have the potential for significant environmental effects.
5. An environmental impact statement is not required for the proposed project.

For the City of Ramsey

_____	_____
Mark E. Kuzma, Mayor	Brian Hagen, City Administrator

Attachment A. Comment Letters

August 29, 2023

Todd Larson, Planning Manager
City of Ramsey
2823 Hamline Avenue North
Ramsey, MN 55113

RE: **Environmental Assessment Worksheet (EAW) – Haviland Fields**
Metropolitan Council Review File No. 22890-1
Metropolitan Council District No. 9

Dear Todd Larson:

Council staff reviewed the environmental assessment worksheet (EAW) for the Haviland Fields project. The proposal involves an anticipated development consisting of 22 townhomes and three multifamily residential buildings located between MN Highway 47 and County Rd 5 in the city of Ramsey.

Staff finds this EAW to be incomplete. Consequently, we are unable to determine at this time whether the project is in conformity with regional system plans and whether an EIS may be needed. As the RGU, if the City finds the missing information is not critical to the EIS need decision, in its record of decision, the City can describe the missing information and how it will be obtained and used. The City can also withdraw and republish the EAW with the missing data, or issue a supplemental EAW to address the missing data.

Incomplete Items

Item 12 – Water Resources (John Clark, MCES 651-602-1452)
The Haviland Fields EAW for the city of Ramsey appears incomplete. The following is needed before an EIS determination is made.

The EAW does not include information under the water appropriation section regarding the water supply source. If connecting to the municipal system, please ensure the water demand for the development can be met and aligns with the Ramsey local water supply plan.

Please consider having the project proposer add supplemental information to the EAW that sufficiently addresses water supply.

Advisory Comments

Forecasts (Todd Graham, 651-602-1322)
The development proposal includes 498 housing units, mainly in multifamily buildings. This equates to one-quarter of the current decade growth forecasted in Ramsey. Council and City staff can discuss this at the time of the next comprehensive plan amendment.

Should this project advance, Transportation Analysis Zone allocations for Ramsey will need updates. The Haviland Fields site is the southern end of TAZ #54. The City anticipated minimal

growth in this area. The City's 2040 Plan expects TAZ #54 to gain 12 (twelve) households and no population during 2020-2040. These expectations will need revision to account for the proposed 498 households.

Housing (Olivia Boerschinger, 651-602-1327)
The City is currently inconsistent with the Council's *Housing Policy Plan*. The 2040 Plan provides insufficient land guided to address the City's share of the region's 2021-2030 need for affordable housing by 233 units. The proposed development in the EAW increases the City's inventory of land guided to support the development of low- and moderate-income housing. A comprehensive plan amendment has not been submitted for this development/change but will be needed. With the development proposed in the EAW, the Plan would guide approximately 35 acres of previously low density residential, to high density residential, such that 280 units could be built. This proposal would provide sufficient land guided for affordable housing and address the City's share of housing need. The proposed development does not specify if any units will be made affordable.

When the City submits a comprehensive plan amendment determined consistent with the *Housing Policy Plan,* eligibility for participation in Livable Communities Act (LCA) programs can be restored.

Item 10 – Transportation (Victoria Dan, Metro Transit 612-349-7648)
While it is true that there is no transit service currently operating within one mile of the site, the nearest park-and-ride facility is at Anoka Station approximately 2 miles away, providing access to Northstar Commuter Rail as well as suburban local Route 805.

Item 12 – Water Resources (John Clark, MCES 651-602-1452)
The project is adjacent to a city of Ramsey drinking water supply management area (DWSMA). Source water protection objectives and activities are outlined in the Ramsey Wellhead Protection Plan. The project would benefit by considering source water protection goals and strategies during the development and post-development activities on site.

The wetland within the project area is mapped as having a connection to underlying aquifers and is surrounded by sandy surficial deposits. Any contaminants that enter the ground on site may move relatively easily to the wetland and underlying groundwater system.

Two domestic wells have been identified on site. Sealing these wells according to MDH guidelines is essential to protect groundwater and water supplies. Additionally, two storage tanks are identified on site. The recommended Phase 2 subsurface investigation should be conducted. Tank removal and remediation would benefit nearby source waters.

The EAW mentions repurposing these wells for irrigation on site. This activity should be evaluated to determine if the wells are in condition to meet the irrigation demands. Potential impacts on the groundwater source and related connection to the nearby wetland should also be considered. To avoid the need for irrigated water from a groundwater source on site or from a treated municipal supply, on-site reuse options should be explored. Sites planted with native drought tolerant landscaping require less water and fertilizers than turfgrasses. In areas planted with turfgrasses, selecting low-input (water and nutrients) species will help to limit unnecessary water use and lower maintenance costs. If irrigation systems will be installed on-site, using smart irrigation controllers that are connected to soil moisture sensors and real-time weather data will help to ensure that water is used efficiently, helping to keep costs down and lessen stress on water resources.

If you have any questions or need further information with respect to these matters, please contact Eric Wojchik, Principal Reviewer, at 651-602-1330 or via email at eric.wojchik@metc.state.mn.us.

Sincerely,

Angela R. Torres, AICP, Senior Manager
Local Planning Assistance

CC: Tod Sherman, Development Reviews Coordinator, MnDOT - Metro Division
Stephanie Hanson, City of Ramsey
Diego Morales, Metropolitan Council District No. 9
Eric Wojchik, Sector Representative/Principal Reviewer
Reviews Coordinator
Paul Hanson, GIS

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From: Roos, Stephan (MDA)
To: Todd Larson
Subject: Haviland Fields EAW
Date: Tuesday, August 1, 2023 11:51:22 AM

Hi Todd,
Minnesota Department of Agriculture appreciates the opportunity to review and comment on the Haviland Fields EAW. After reviewing the document I have determined that this project will pose no impacts to agricultural lands or activities. We have no further comments.
Thank you,
Steve

Steve Roos
Environmental Planner
Energy and Environment Section
Agricultural Marketing and Development Division
Minnesota Department of Agriculture
625 Robert Street North
Saint Paul, MN 55155-2538
Ph: 651-201-6631 office

www.mda.state.mn.us

DEPARTMENT OF NATURAL RESOURCES

Division of Ecological and Water Resources
Region 3 Headquarters
1200 Warner Road
Saint Paul, MN 55106

Transmitted by Email

August 29, 2023

Todd Larson, Community Development
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

Dear Todd Larson,

Thank you for the opportunity to review the Haviland Fields Environmental Assessment Worksheet (EAW) located in Anoka County. The DNR respectfully submits the following comments for your consideration:

1. Page 14, Stormwater. The increase in impervious surfaces will also increase the amount of road salt used in the project area. Chloride released into groundwater as well as local lakes and streams does not break down, and instead accumulates in the environment, potentially reaching levels that are toxic to aquatic wildlife and plants. Consider promoting local business and city participation in the Smart Salting Training offered through the Minnesota Pollution Control Agency. There are a variety of classes available for road applicators, sidewalk applicators, and property managers. More information and resources can be found at this website. Many winter maintenance staff who have attended the Smart Salting training — both from cities and counties and from private companies — have used their knowledge to reduce salt use and save money for their organizations.

   We also encourage cities and counties to consider how they may participate in the Statewide Chloride Management Plan and provide public outreach to reduce the overuse of chloride. Here are some educational resources for residents as well as a sample ordinance regarding chloride use.

2. Page 14, Stormwater. We encourage the development to use weed-free, native seed mixes in landscaping and stormwater features to the greatest extent possible in order to provide pollinator and wildlife habitat.

3. Page 14, Stormwater. Please make sure that all required avoidance measures for the Blanding's turtle (state-threatened), are incorporated into the SWPPP and construction plans. This section should mention that only wildlife-friendly erosion control materials will be used.

4. Page 21, Rare Features. This section states that minimal tree removal will be required as part of the project, however, Table 3: Cover Types shows that the project proposes to remove over seven acres of trees, which is a large impact in such a developed area and near a river corridor. Even if significant trees are replaced, it will take decades for new trees to grow enough to provide the same ecological benefit. We strongly encourage the proposer to preserve as many trees as possible.

   We recommend that any revegetation plan for the site utilize native plants to the greatest degree possible. Please be aware that turf grass does not provide any ecological benefits and requires more maintenance, inputs, and irrigation than native species.

5. Page 21, Rare Species. This section states that no impacts to Blanding's turtles are anticipated because the project will not be impacting wetlands. That is incorrect since Blanding's turtles also use upland sites and can travel great distances. The EAW should identify which fact sheet recommendations the proposer is willing to commit to in addition to the required avoidance measures. The Blanding's turtle fact sheet contains several measures regarding wetland buffers, roads, utilities, and landscaping that are pertinent to this type of project. The DNR recommends a wider buffer than the proposed 16.5' wetland buffer as well as the use of surmountable curbs. Please also refer to the required avoidance measures for Blanding's turtle that were provided in the July 7, 2023 Natural Heritage letter and have been copied below:

   Blanding's turtles (*Emydoidea blandingii*), a state-listed threatened species, have been documented in the vicinity of the proposed project. Blanding's turtles use upland areas up to and over a mile distant from wetlands, waterbodies, and watercourses. Uplands are used for nesting, basking, periods of dormancy, and traveling between wetlands. Factors believed to contribute to the decline of this species include collisions with vehicles, wetland drainage and degradation, and the development of upland habitat. Any added mortality can be detrimental to populations of Blanding's turtles, as these turtles have a low reproduction rate that depends upon a high survival rate to maintain population levels.

   This project has the potential to impact this rare turtle through direct fatalities and habitat disturbance/destruction due to excavation, fill, and other construction activities associated with the project. Minnesota's Endangered Species Statute (*Minnesota Statutes*, section 84.0895) and associated Rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the take of threatened or endangered species without a permit. As such, **the following avoidance measures are required:**

   - Avoid wetland and aquatic impacts during hibernation season, between September 15th and April 15th, if the area is suitable for hibernation.
   - The use of erosion control blanket shall be limited to 'bio-netting' or 'natural-netting' types, and specifically not products containing plastic mesh netting or other plastic components.

- Also, be aware that hydro-mulch products may contain small synthetic (plastic) fibers to aid in their matrix strength. These loose fibers could potentially re-suspend and make their way into Public Waters. As such, please review mulch products and do not allow any materials with synthetic (plastic) fiber additives in areas that drain into Public Waters.
- Construction areas, especially aquatic or wetland areas, should be thoroughly checked for turtles before the use of heavy equipment or any ground disturbance.
    - The Blanding's turtle flyer must be given to all contractors working in the area.
    - Monitor for turtles during construction and report any sightings to the DNR Nongame Specialist, Erica Hoaglund (Erica.Hoaglund@state.mn.us).
    - If turtles are in imminent danger they must be moved by hand out of harm's way, otherwise, they are to be left undisturbed.

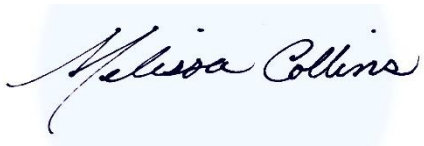
If following the above avoidance measures is not possible, please contact NHIS.Review@state.mn.us as further action may be needed.

For additional information, see the Blanding's turtle fact sheet, which describes the habitat use and life history of this species. The fact sheet also provides two lists of recommendations for avoiding and minimizing impacts to this rare turtle. **Please refer to both lists of recommendations and apply those that are relevant to your project.** For further assistance regarding the Blanding's turtle, please contact the DNR Regional Nongame Specialist, Erica Hoaglund.

6. Page 22, Visual. Given the proximity to a river corridor, development lighting is an important consideration. Animals depend on the daily cycle of light and dark for behaviors such as hunting, migrating, sleeping, and protection from predators. Light pollution can affect their sensitivity to the night environment and alter their activities. In addition to the undesirable effects of upward facing lighting, the hue of lights can also affect wildlife. LED lighting has become increasingly popular due to its efficiency and long lifespan. However, these bright lights tend to emit blue light, which can be harmful to birds, insects, and fish. The DNR recommends that any projects using LED luminaries follow the MnDOT Approved Products for luminaries, which limits the uplight rating to 0, and the maximum nominal color temperature to 4000K.

Thank you again for the opportunity to review this document, and please let me know if you have any questions.

Sincerely,



Melissa Collins

Regional Environmental Assessment Ecologist | Ecological and Water Resources
Minnesota Department of Natural Resources
1200 Warner Road
St. Paul, MN 55106
Phone: 651-259-5755
Email: melissa.collins@state.mn.us

CC: Sam Jagodzinski, Senior Housing Partners

Equal Opportunity Employer

DEPARTMENT OF TRANSPORTATION

Metropolitan District
1500 County Road B-2 West
Roseville, MN 55113

August 31, 2023

Todd Larson
Planning Manager
7550 Sunwood Dr. NW
Ramsey, MN 55303

SUBJECT: Haviland Fields EAW
MnDOT Review #EAW23-006
NNW quadrant of MN 47 and Nowthen Blvd/CH 5
Ramsey, Anoka County

Dear Todd Larson,

Thank you for the opportunity to review the Haviland Fields EAW. Please note that MnDOT's review of this EAW does not constitute approval of a regional traffic analysis and is not a specific approval for access or new roadway improvements. As plans are refined, we would like the opportunity to coordinate with our partners and to review the updated information. MnDOT's staff has reviewed the document and has the following comments:

Right of Way
The residential driveway connecting to MN 47 should be removed early in the construction process and should not be used for construction vehicle use.

Please contact Mike Lynch, Metro Right of Way, at 651-234-7558 or Mike.lynch@state.mn.us with any questions.

Pedestrian and Bicycle
Currently there is a trail running NW, on the north side of CR 5, from the intersection of MN 47 and CR 5. There is also a trail running N/S on the east side of MN 47. MnDOT will be completing a mill and overlay of this section of MN 47 in 2028. Some trail connections and crossings will change at that time. As part of this project, MnDOT will be removing the pedestrian crossing on the south leg of the MN 47/CR 5 intersection. There are no destinations or sidepath in the SW quadrant, and the channelized right turn is hazardous to pedestrians without a clear destination.

MnDOT suggests the developer work with the county to install a pedestrian crossing across CR 5 to Iodine St NW to provide access to the trail. MnDOT recommends the developer ensure that the both the sidewalk ramps on the driveways and the ramps for the internal crosswalk through the parking lot meet American with Disabilities Act (ADA) standards. We also advise that the internal crosswalk and sidewalks around the building should maintain a Pedestrian Access Route (PAR) of at least 4 feet in width. Standard plans are available on MnDOT's ADA page here: http://dot.state.mn.us/ada/design.html. We also strongly recommend raising the street level to meet major trail crossings so that the trails remain level for their users and vehicles have extra reinforcement for giving pedestrian and cyclists the right of way.

Please contact Sara Dunlap, Pedestrian, Bicycle and ADA Planning, at sara.dunlap@state..mn.us or 651-234-7725 with any questions.

Traffic

This project will likely add stress to the MN 47/CR 5 intersection. This intersection is already in disrepair and has an acceleration lane to SB MN 47 that backs up the morning rush hour. This intersection should be monitored closely once the development approaches or reaches build conditions.

Please contact Danial Backsen, Anoka Truck Station Supervisor, at 763-279-4050 or danial.backsen@state.mn.us with any questions.

The 2028 mill and overlay project will also put fiber and cameras in place to monitor this intersection.

Please contact Ashley Hansen, North Area Traffic Safety, at 651-234-7815 or ashley.hansen@state.mn.us with any questions.

Water Resources

A MnDOT drainage permit is required before development occurs. The permit applicant shall demonstrate that the off-site runoff entering MnDOT drainage system(s) and/or right of way will not increase. The drainage permit application, including the information below, should be submitted online to: https://olpa.dot.state.mn.us/OLPA/. Please upload this letter with the drainage permit application.

The following information must be submitted with the drainage permit application:

1. Grading plans, drainage plans, and hydraulic calculations demonstrating that proposed flows to MnDOT right of way remain the same as existing conditions or are reduced.
2. Existing and proposed drainage area maps with flow arrows and labeling that corresponds with the submitted calculations.
3. Hydro CAD model and PDF of output for the 2, 10, and 100-year Atlas 14 storm events.

Once a drainage permit application is submitted, a thorough review will be completed and additional information may be requested. Please contact Jason Swenson, Water Resources Engineering, at 651-234-7539 or jason.swenson@state.mn.us with any questions.

Please contact Jason Swenson, Water Resources Engineering, at jason.swenson@state.mn.us or 651-234-7539 or with any questions.

Noise

MnDOT's policy is to assist local governments in promoting compatibility between land use and highways. Residential uses adjacent to highways often result in complaints about traffic noise. Traffic noise from this highway could exceed noise standards established by the Minnesota Pollution Control Agency (MPCA), the U.S. Department of Housing and Urban Development, and the U.S. Department of Transportation. Minnesota Rule 7030.0030 states that municipalities with the authority to regulate land use shall take all reasonable measures to prevent the establishment of land use activities, listed in the MPCA's Noise Area Classification (NAC), anywhere that the establishment of the land use would result in immediate violations of established State noise standards.

MnDOT policy regarding development adjacent to existing highways prohibits the expenditure of highway funds for noise mitigation measures in such developed areas. The project proposer is required to assess the existing noise situation and take the action deemed necessary to minimize the impact to the proposed development from any highway noise.

If you have any questions regarding MnDOT's noise policy, please contact Natalie Ries in Metro District's Noise and Air Quality Unit at 651-234-7681 or natalie.ries@state.mn.us.

Permits

Any other work that affects MnDOT right of way will require an appropriate permit. All permits are available and should be submitted at: https://olpa.dot.state.mn.us/OLPA/. Please upload this letter when applying for any permits.

For questions regarding permit submittal requirements, please contact Buck Craig of MnDOT's Metro District Permits Section at 651-775-0405 (cell) or buck.craig@state.mn.us.

Review Submittal Options

MnDOT's goal is to complete reviews within 30 calendar days. Review materials received electronically can be processed more rapidly. Do not submit files via a cloud service or SharePoint link. In order of preference, review materials may be submitted as:

1. Email documents and plans in PDF format to metrodevreviews.dot@state.mn.us. Attachments may not exceed 20 megabytes per email. Documents can be zipped as well. If multiple emails are necessary, number each message.
2. For files over 20 megabytes, upload the PDF file(s) to MnDOT's Web Transfer Client site: https://mft.dot.state.mn.us. Contact MnDOT Planning development review staff using the same email above for uploading instructions, and send an email listing the file name(s) after the document(s) has/have been uploaded.

You are welcome to contact me at david.kratz@state.mn.us (preferred), or 651-234-7792 with any questions.

Sincerely,

David Kratz
Principal Planner

Copy sent via email:

Jason Swenson, Water Resources
Buck Craig, Permits
Mike Lynch, Right of Way
Brandi Kastner, Traffic

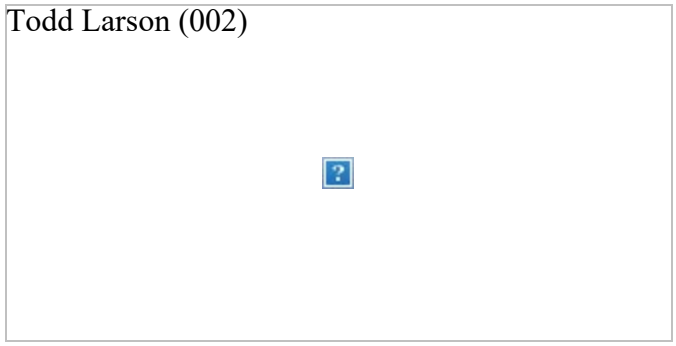
Ashley Hansen, Traffic
Natalie Ries, Noise
Mike Kronzer, Area Engineer
Michael Kowski, Maintenance
Danial Backsen, Maintenance
Sara Dunlap, Ped/Bike/ADA Planning
Tod Sherman, Planning
Cameron Muhic, Planning
Joseph Widing, Metropolitan Council

From: Brandon Folta
To: Todd Larson
Subject: Haviland fields
Date: Tuesday, August 1, 2023 8:18:08 PM

As a resident of Ramsey I am sick and tired of all the townhouses and apartments being put up in the city leave the city alone !! We are loosing the country feel!!
Sent from my iPhone

From: David Drake
To: Todd Larson
Subject: Re: address
Date: Thursday, August 3, 2023 3:05:19 PM
Attachments: image001.png
image001.png

On Thu, Aug 3, 2023, 2:59 PM Todd Larson <tlarson@ci.ramsey.mn.us> wrote:

> Thank you David,
>
> Can you please provide your address for the public record?
>
> Thanks,
>
> Todd
>
> Todd Larson (002)
>
> 
>
> My address is 14401 Noethen Blvd nw, Ramsey, Mn
>
> **From:** David Drake <dsdrake042@gmail.com>
> **Sent:** Thursday, August 3, 2023 1:39 PM
> **To:** Todd Larson <tlarson@ci.ramsey.mn.us>
> **Subject:**
>
> I have looked at the info from Havilland Fields & disagree with the report on page 28 to30, concerning the entrance into this new building from co. rd 5 (church property). The LOS data on traffic flow at A. This fine for 2023 but not for 2027. The LOS for the latter date is also A, which I believe is a gross error. It should be either C or D. I currently live at Stoney

River & see the actual traffic every AM & know that the real traffic loads as shown on the data report can't be correct. I request that more info be obtained at this intersection. Thank you. DD

From: Alexandria St John
To: Todd Larson
Subject: Strong Objection to Development of Lord of Life Property
Date: Tuesday, August 1, 2023 8:40:40 PM

Dear Mr Larson

I am writing to express my vehement objection to the proposed development of the Lord of Life property in our community. As a concerned resident, I feel compelled to outline the potential devastating impact this development could have on our surrounding communities, families, and neighbors.

First and foremost, the increase in traffic, landscape alterations, and population growth resulting from this development will undoubtedly disrupt the peaceful and safe environment that we currently enjoy. The influx of additional vehicles will lead to congestion, making it harder for residents to commute and risking the safety of pedestrians, especially children and elderly individuals.

Furthermore, the proposed development does not seem to align with the recent developments in surrounding communities, which have not shown a need for such expansion. Instead, it appears to be driven by developers' interests without considering the genuine needs and desires of the families in our community.

Speaking of which, I want to emphasize that the families in our neighborhood do not want this development. Many of the residents have made their voices heard in various forums, expressing their strong opposition to this project. It is crucial to respect the wishes of the community members who will be directly affected by this development.

The potential consequences of this development extend beyond mere inconvenience; it has the potential to push the area to be overpopulated, leading to the displacement of many long-standing residents. Moreover, our already burdened schools would be overwhelmed by the influx of new students, making it challenging for them to provide quality education.

Another grave concern is the increase in crime that often accompanies rapid urbanization and population growth. The introduction of a large development like this can bring in outsiders and transient populations, leading to potential security risks and jeopardizing the safety of our families.

In light of these numerous and compelling reasons, I urge you to reconsider the approval of the development of the Lord of Life property. Instead, let us focus on fostering sustainable growth that respects the needs and wishes of the community and preserves the safety, serenity, and well-being of our neighborhood.

Thank you for considering my objections. I hope that you will carefully weigh the consequences of this development on the surrounding communities before making any decisions.

Sincerely,

One of Many.

July 28, 2023

City of Ramsey
Attn: Todd Larson, Planning Manager
7550 Sunwood Dr NW
Ramsey, MN 55303

Re: Haviland Fields EAW

To Whom it May Concern:

Minnesota Rule 4410.1100 requires that EAWs shall address "known government approvals, reviews, *or financing required, applied for, or anticipated* and the status of any applications made, including permit conditions that may have been ordered or are being considered". Additionally, page 8 of the EAW states that the applicant is supposed to list "all direct and indirect forms of public financial assistance including bond guarantees, Tax Increment Financing, and infrastructure".

Despite these requirements, the Haviland Fields EAW makes no reference to and does not address the Business Assistance Application for Tax Increment Financing (TIF) made to the City of Ramsey and reviewed by the City of Ramsey Economic Development Authority at their July 13, 2023 meeting.

Therefore, the Haviland Fields EAW does not meet the EAW Content requirements established by Minnesota Rule 4410.1100 and should not have been distributed for public comment as it contains insufficient information to adequately be reviewed by residents of the community. The City Council should find the EAW insufficient and require an additional public comment period once the required information on public financing is included within the EAW.

Sincerely,

Ramsey Resident

Haviland Fields EAW Comments:

- In what ways will stormwater management facilities be designed to reduce the risks of flooding?
- Currently the EAW shows that no trees will be planted, however, wouldn't the City of Ramsey require a certain number of trees to be replanted at a minimum? If so, how many trees would that be?
- The EAW indicates that a comprehensive plan amendment, as well as various other applications, would be applied for if needed. Isn't the applicant or the City of Ramsey aware of what applications are needed at this time? Since a site plan has already been submitted for review along with the application for business assistance it seems like the City of Ramsey and the applicant should have at least some idea of what permits are required for the project, such as a comprehensive plan amendment, and that information should have been included within the EAW.
- Section 14.C. states that there will be minimal tree removal, however, the EAW indicates that 7.37 acres of wooded/forested acres will be removed constituting over half of the trees on the site. How is this minimal tree removal?
- Section 18.b.ii indicates that the project will develop a travel demand management plan to reduce use of single occupancy motor vehicles, and increase walking, bicycling, and transit as primary modes of travel to reduce GHG emissions from mobile sources. How will this be developed, given the limited transit in the community and limited suitable weather to bike and walk? The EAW itself states that no transit facilities are within 1 mile of the project, so is the project proposing to create their own transit network and facilities? Say, to link their project with the nearest MetroTransit bus stop or train station via their own private bus service?
- Is the plan for the residential areas to utilize the church parking lot?
- CSAH 5 & Iodine St level of service starts at E in the PM for existing year 2023 but then goes to A in opening year no build and D in opening year 2027. The text does not indicate any changes to this intersection, so if the project isn't built how would the level of service improve from E to A as the traffic analysis suggests?
- On page 7, the EAW states that based on the "land surface temperate" at the project site during a heatwave in 2016 the site is susceptible to extreme heat. Won't removal of 59.4% of the tree canopy and no additional plantings contribute to the urban heat island effect and/or make the site a less desirable place to live?
- There are lots of conflicting statements throughout the EAW that indicate that natural resources will be preserved, however in reality the majority of natural resources are going to be impacted and/or removed as part of the project.
- On page 9 the EAW indicates that a "Residential New Townhouse Unit" as a type of application. What is a "Residential New Townhome Unit Application"?

Todd,

My name is Ben Flake, I live on Fluorine Street with me wife and four small children. We were originally under the impression that there would be no buildings next to our property. However, we were disappointed to see that in the recent Haviland Fields proposal, the townhomes would back up to our house. If the project moves forward we would feel much more comfortable if they installed a barrier between our property and the townhomes. Whether that barrier be a fence or a green barrier made up of plants like white pines and shrubs. I believe most the neighbors would agree with the installation of a barrier.

Thanks,
Ben Flake

Hi Todd,

My name is Rick Bailey and I live @ 5021 Xkimo Ct. Nw., on the east side of 47 across from Stoney River and Lord of Life. From the letter we received it mentioned to direct questions and comments to you regarding the Haviland Fields proposed development.

My primary concerns with such a large development are regarding noise levels. The noise pollution that would result alone from the increase in traffic is part of it (as 47 and 5 are already heavily congested) and noise levels are high, and equally important/of concern is traffic noise deflecting off of the buildings and into our neighborhoods. For example, when Stoney River was built, it unfortunately brought quite a bit of additional noise into our neighborhood as there is no existing noise wall in place.

My related question is if the development is approved to proceed, will there be/can there be a requirement to build a noise wall on the east side of 47, to protect the existing neighborhoods? I'm also cc'ing a few of my neighbors in our cul-de-sac so they can hear any updates/information and Deb Musgrove who is familiar with our existing noise concerns.

Thank you~

Rick

Todd, I apologize for the last minute start here as my month has not been predictable.
I have a few observations after reading through the EAW, but my first one regards to 6d on pg3. Sources and detailed information are plentiful throughout the document, but all this subsection states is that the project aims to address the housing needs in Ramsey. What set of research and sources is this goal utilizing? What are the referenced housing needs of Ramsey?

I'll gather my observations when I get home today, but I wanted to get this one out as it's the most prevelant to the project itself.

Thanks!

14c. This section states “Minimal tree remove will be required as part of the project.” However, this is contradicted in “Table 5: Trees” where number of trees to be removed is approximated at 964 trees, or 59.4% of existing trees in the project area. “Minimal” needs a set definition as it pertains to this document. Additional tree cover will only reduce the short- and long-term negative impact of the GHG effect, especially with so much additional asphalt surface being added in the project site. Please place significant consideration and effort into maintaining as much existing tree cover as possible.

Along with the approximated amount of tree removal, maintaining a wall of wooded tree cover between the project area and the south side of Birch Hill Lodges’ southeastern most side street would greatly benefit the existing townhome community by combatting noise pollution (both during and after the project) and heat from the nearly doubling of nearby asphalt surface, as well as reducing the projected tree removal. Please seriously consider incorporating a portion of this existing wooded wall into the north edge building setback, as well as adding a similar wooded buffer on the adjacent side street also bordering the north edge of the project site. It would also promote additional privacy for both the existing townhomes and the potential new townhomes.

Ideally, the described existing wooded area would prove beneficial and resourceful if trails are being considered as a part of this project. Why not leave the tree cover there and only clear what is needed to construct a path? Additionally, allowing those trees to remain untouched would greatly benefit the endangered Northern Long-eared Bat and the proposed-endangered Tricolored Bat. The DNR’s listed protections and actions concerning the threatened/endangered/proposed-endangered species don’t actually seem to be stipulating much protection of their existing homes, albeit not officially designated “critical habitats.” (Appendix C, pg 1-4 plus succeeding detailed pages.)

18b. and 7b.
The Geothermal energy source “may” continue to be used. This should be necessary and confirmed, especially considering the amount of tree removal estimated to take place (approximated in “Table 5: Trees”). The geothermal source is also referenced in Table 2: Climate Considerations and Adaptations. It is stated in the last row of this table that, in regards to project construction, “Existing on-site geothermal panels will provide a portion of the sites energy usage.” Please consider this being a requirement along with a minimum % goal for the length of construction.

20a-b. Traffic studies.
Additional signalized intersection should be included in the traffic study, as the majority of bottlenecking occurs in north and south directions: MN-47 & Bunker Lake Blvd // MN-47 & Pleasant St. Severe bottlenecks occur in both AM and PM rush periods which would be further exacerbated by an additional 113-168 trips estimated in “Table 7: Trip Generation Forecast.” I also feel that this table underestimates the potential effects the additional vehicle flow will cause at the CSAH 5 & Lord of Life Access intersection, namely during AM and Sunday peak hours, requiring left-hand turns onto CSAH 5 from the Lord of Life Access into often relentless eastbound traffic.

Logan Hart Lewis
14661 Cobalt St NW Unit 27

News Release

July 25th, 2023

Contact:

Todd Larson
Planning Manager | City of Ramsey
(763) 433-9821
tlarson@cityoframsey.com

Notice of Availability for Haviland Fields Environmental Assessment Worksheet (EAW)

Ramsey, Minn. – As the Responsible Governmental Unit (RGU), the City of Ramsey has prepared an Environmental Assessment Worksheet (EAW) for the Haviland Fields residential development. The notice of document availability will be published in the *EQB Monitor* on August 1, 2023.

The Haviland Fields development is located on an approximately 35-acre site at 14501 Nowthen Blvd NW, Ramsey MN. The proposed project will include 22 townhouse units and 3 multifamily residential buildings with 476 total units. The development will also include stormwater management areas and preserved green space.

The EAW can be accessed electronically on the City of Ramsey's website at:

www.ci.ramsey.mn.us/989/Haviland-Fields

The City will accept public comments on the EAW through August 31, 2023 at 4:00 PM, directed to:

Todd Larson, Planning Manager | City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303
tlarson@cityoframsey.com

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Adopt Resolution #23-225 Approving Partial Payment #1 to Landall Services for IP #23-10, Whispering Pines Estates Plat 3 Street Reconstructions.

Purpose/Background:

Resolution and Pay Request attached.

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends partial payment No. 1 to Landall Services, LLC of Zimmerman, Minnesota, for Improvement Project #23-10, Whispering Pines Estates Plat 3 Street Reconstructions, in the amount of $150,414.69.

Outcome/Action:

Motion to adopt Resolution #23-225 authorizing partial payment #1 to Landall Services for IP #23-10, Whispering Pines Estates Plat 3 Street Reconstructions in the amount of $150,414.69.

Attachments

Resolution #23-225

Pay Request

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 10:27 AM
Bruce Westby	Bruce Westby	09/21/2023 12:15 PM
Brian Hagen	Brian Hagen	09/21/2023 12:49 PM
Form Started By: Stacie Damjanovich		Started On: 09/18/2023 03:33 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-225

RESOLUTION APPROVING PARTIAL PAYMENT NO. 1 TO LANDALL SERVICES, LLC. OF ZIMMERMAN, MINNESOTA FOR IMPROVEMENT PROJECT #23-10; WHISPERING PINES ESTATES PLAT 3 STREET RECONSTRUCTIONS

WHEREAS, the City of Ramsey proposes to reconstruct the streets within the Whispering Pines Estates Plat 3 subdivision; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-251, adopted November 7th, 2022, the City Council accepted and awarded the proposal to Bolton & Menk, Inc., for topographic survey of the project area; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-251, adopted November 7th, 2022, the City Council accepted and awarded the proposal to Haugo Geotechnical Services for a geotechnical report of the project area; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-289, adopted December 13, 2022, the City Council ordered the City Engineer to prepare plans and specifications for said improvements; and

WHEREAS, pursuant to Ramsey City Council resolution #23-146, adopted June 27, 2023 the City Council approved final plans and specifications as prepared by the City Engineer and authorized advertisement for bid for said improvements; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-170 a contract was awarded to Landall Services, LLC of Zimmerman, Minnesota, in the amount of $533,248.00 for construction of said improvements; and

WHEREAS, as of September 26, 2023 $0.00 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends partial payment No. 1 to Landall Services, LLC of Zimmerman, Minnesota, for improvement project #23-10, Whispering Pines Estates Plat 3 Street Reconstructions, in the amount of $150,414.69.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The City Council hereby authorizes partial payment No. 1 to Landall Services, LLC, of Zimmerman, Minnesota for Improvement Project #23-10, Whispering Pines Estates Plat 3 Street Reconstructions in the amount of $150,414.69.

2) The City Council hereby authorizes the Mayor and City Administrator to sign the release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills for the date of September 26, 2023.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Pay Estimate Summary Sheet

Estimate Number:	1 Partial
Project Number:	23-10
Project Name:	Whispering Pines Estates Plat 3 Street Reconstructions
Period Ending	August 31, 2023
Contractor:	Landall Services, LLC
Address:	24752 128th Street, Zimmerman, MN 55398

1	Original Contract Amount			$ 533,248.00
2	Change Order(s)	No. ____	Thru No. ____	
3	Total Funds Encumbered			$ 533,248.00
4	Value of Work Completed			$ 158,331.25
5	Retainage	5 %		$ (7,916.56)
	Percent Complete		30%	
6	Deductions or Charges			
7	Total Earned Less Retainage (Lines 4+5+6)			$ 150,414.69
8	Previous Payment(s)			$ -
9	**Payment Due (Lines 7-8)**			**$ 150,414.69**
10	Total Balance to Finish, Including Retainage (Lines 3-7)			$ 382,833.31

Certification of Partial Payment

I hereby certify that, to the best of my knowledge and belief, all items, quantities and prices of work and material shown on this Estimate are correct and that all work has been performed in full accordance with the terms and conditions of the Contract for this project between owner and the undersigned Contractor, and as amended by any authorized changes and the foregoing is a true and correct statement of the contract amount for the period covered by this estimate.

Landall Services LLC	Travis Nguotny
Contractor Name	Print Name
Owner	
Title	Signature
	9-12-23
	Date

City of Ramsey Approval

	9/12/2023
Signature (Project Engineer)	Date
	9/18/2023
Signature (City Engineer)	Date

Whispering Pines Estates Plat 3 Street Reconstructions
I.P. 23-10
Estimate No. 1 **Partial**
Period Ending August 31, 2023

			CONTRACT AMOUNT				COMPLETED THIS PERIOD		COMPLETED TO DATE	
Item No.	MnDOT No.	Item Description	Unit	Estimated Quantity	Unit Price	Extended Total	Quantity	Extended Total	Quantity	Extended Total
1	2021.501	MOBILIZATION	LS	1.0	$ 10,000.00	$ 10,000.00	0.5	$ 5,000.00	0.5	$ 5,000.00
2	2101.503	REMOVE CULVERT	LF	421	$ 22.00	$ 9,262.00	490	$ 10,780.00	490	$ 10,780.00
3	2104.503	SAWING BITUMINOUS PAVEMENT - FULL DEPTH	LF	1349	$ 7.50	$ 10,117.50	1431	$ 10,732.50	1431	$ 10,732.50
4	2105.504	GEOTEXTILE FABRIC TYPE 4	SY	68	$ 4.00	$ 272.00	0	$ -	0	$ -
5	2105.607	COMMON EXCAVATION (EV)	CY	410	$ 16.00	$ 6,560.00	0	$ -	0	$ -
6	2106.607	HAUL & STOCKPILE RECLAIM MATERIAL (LV)	CY	1600	$ 14.00	$ 22,400.00	1600	$ 22,400.00	1600	$ 22,400.00
7	2130.523	WATER	MGAL	50	$ 75.00	$ 3,750.00	50	$ 3,750.00	50	$ 3,750.00
8	2215.504	FULL DEPTH RECLAMATION	SY	22800	$ 2.00	$ 45,600.00	24700	$ 49,400.00	24700	$ 49,400.00
9	2232.504	MILL BITUMINOUS PAVEMENT (2.0")	SY	19	$ 5.00	$ 95.00	0	$ -	0	$ -
10	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	2	$ 4.50	$ 9.00	0	$ -	0	$ -
11	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) 2.5"	TON	3220	$ 105.00	$ 338,100.00	0	$ -	0	$ -
12	2501.502	15" RC PIPE APRON	EA	10	$ 800.00	$ 8,000.00	10	$ 8,000.00	10	$ 8,000.00
13	2501.502	18" RC PIPE APRON	EA	10	$ 900.00	$ 9,000.00	10	$ 9,000.00	10	$ 9,000.00
14	2501.503	15" RC PIPE SEWER DESIGN 3006 CLASS III	LF	184	$ 75.00	$ 13,800.00	184	$ 13,800.00	184	$ 13,800.00
15	2501.503	18" RC PIPE SEWER DESIGN 3006 CLASS III	LF	160	$ 80.00	$ 12,800.00	160	$ 12,800.00	160	$ 12,800.00
16	2511.509	RANDOM RIPRAP CLASS III	CY	23	$ 150.00	$ 3,450.00	20	$ 3,000.00	20	$ 3,000.00
17	2563.601	TRAFFIC CONTROL	LS	1	$ 4,000.00	$ 4,000.00	0.5	$ 2,000.00	0.5	$ 2,000.00
18	2573.501	STABILIZED CONSTRUCTION EXIT	EA	3	$ 1,500.00	$ 4,500.00	3	$ 4,500.00	3	$ 4,500.00
19	2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LF	550	$ 4.00	$ 2,200.00	300	$ 1,200.00	300	$ 1,200.00
20	2573.503	SILT FENCE, TYPE MS	LF	1676	$ 1.50	$ 2,514.00	1312.5	$ 1,968.75	1312.5	$ 1,968.75
21	2574.507	TOPSOIL (LV)	CY	530	$ 35.00	$ 18,550.00	0	$ -	0	$ -
22	2574.508	FERTILIZER TYPE 3	LBS	76	$ 5.00	$ 380.00	0	$ -	0	$ -
23	2575.504	ROLLED EROSION PREVENTION CATEGORY 20	SY	355	$ 2.50	$ 887.50	0	$ -	0	$ -
24	2575.505	SEEDING	ACRE	0.76	$ 4,000.00	$ 3,040.00	0.00	$ -	0.00	$ -
25	2575.508	HYDRAULIC MATRIX TYPE MULCH	LBS	3020	$ 0.95	$ 2,869.00	0	$ -	0	$ -
26	2575.508	SEED MIXTURE 25-151	LBS	91	$ 12.00	$ 1,092.00	0	$ -	0	$ -
		GRAND TOTALS				**$ 533,248.00**		**$ 158,331.25**		**$ 158,331.25**

Internal City Use Only				
Pavement Management Funds (0.90 Mob)		*$ 111,231.25*		*$ 111,231.25*
Storm Sewer Utility Funds (0.10 Mob)		*$ 47,100.00*		*$ 47,100.00*
Total Funds		*$ 158,331.25*		*$ 158,331.25*

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Address infrastructure needs.

Information

Title

Adopt Resolution #23-226 Approving Construction Contingency Expense No. 1 for Improvement Project #21-09, Centralized Water Treatment Plant

Purpose/Background:

Purpose:

The purpose of this case is to adopt Resolution #23-226 approving Construction Contingency Expense No. 1 for Improvement Project #21-09, Centralized Water Treatment Plant.

Background:

The Water Treatment Plant (WTP) project includes a construction contingency cost of $950,000. This contingency cost is intended to pay for new items during construction that were not contemplated during the design process, or for items that the owner, engineer, or contractor(s) propose to revise during construction.

Attached is a letter from the Construction Lead that works for the Project Engineering firm of AE2S that identifies several items requiring adjustments or that are recommended to be adjusted during construction. The letter is intended to outline the adjustments and to summarize the current project budget to allow the City to fully understand the status of the project before spending a portion of the construction contingency costs.

To date, 6 requests for pricing (RFP) have been submitted to Magney Construction, the awarded contractor for this project. A full list of these requests is included in the attached letter. AE2S has since received pricing back from Magney on 3 of the RFP's. AE2S would therefore like to move forward with Construction Contingency Expense No. 1, which includes prices for RFP 001, 003, and 006. It is important to note that the Contractor has included a request for time extension in RFP 001 and RFP 006. More information has been requested before approving these time extensions. If an extension is approved to extend the substantial completion date, that will result in a Change Order issued at a different time.

Details on the 3 RFP's addressed within this case are summarized in the attached letter from AE2S and below.

RFP No. 001: Mixing Pumps Pipe Upsizing

The Backwash Tank mixing system manufacturer is recommending that the suction and discharge piping on the mixing pump be upsized from the proposed 6" to 14" to meet the required mixing flow rate. This change will not alter the price of the mixing system package that will be supplied by the manufacturer. However, it will require Magney to upsize the pipes and valves from the pump to the tank.

RFP No. 003: Administrative Area Ceiling Grid Color

The acoustic ceiling suspension grid in the administrative area of the Water Treatment Plant was originally specified as being white. However, after reviewing samples provided by the manufacturer, it was determined by the Architect that a chrome system would be better suited for the aesthetics of this area.

RFP No. 006: Storm and Plumbing Updates

For plan approval, the Department of Labor Industries must review all plumbing and civil plans. Comments back required adjustments to various plumbing elements and modifications to the stormwater retention pond were

required. These changes are necessary to meet all building codes.

The attached letter from AE2S also summarizes all known construction contingency expenses at this time to assist the City of Ramsey in better understanding the current contingency status. As construction progresses, AE2S will continue to provide cost updates and will coordinate closely with the City on all issues impacting project costs. AE2S will also continue to support and track the progress of the WTP and will provide updates as necessary for the City of Ramsey to make responsible decisions on the progress of the WTP.

Notification:

Notifications are not required for this case.

Observations/Alternatives:

Alternative #1:

Motion to adopt Resolution #23-226 approving Construction Contingency Expense No. 1 for Improvement Project #21-09, Centralized Water Treatment Plant.

Funding Source:

Project cost impacts due to Construction Contingency Expense No. 1 total $76,446.53.

The original Construction Contingency amount is $950,000. By approving Construction Contingency Expense No. 1, the available construction contingency will be reduced to $873,553.47.

Funding sources and amounts for the WTP project are currently proposed as follows:

- $33,500,000 from sewer ($8,900,000) and water ($24,600,000) utility funds
- $9M from bonding (estimated)

The actual amount of bonding needed will be determined after bids are received for the WTP trunk watermain improvements in November. The actual bonding amount will determine how much sewer and water rates will need to increase.

The City is also currently working to fully understand project cost impacts related to the grant funding appropriated to the project during the 2023 Legislative Session, as well as project cost savings related to sales and use tax exemptions (HF1177 & SF1197). Funds received from the legislative session will have the direct result of reducing bonding needs and the possible reduction of double-digit utility rate increases. The status of these legislative requests is not yet fully understood.

Recommendation:

Staff and AE2S recommend approving alternative #1.

Action:

Motion to adopt Resolution #23-226 approving Construction Contingency Expense No. 1 for Improvement Project #21-09, Centralized Water Treatment Plant.

Attachments

AE2S Letter

Resolution 23-226

Form Review

Inbox	Reviewed By	Date

Brian Hagen	Brian Hagen	09/21/2023 03:38 PM
Form Started By: Bruce Westby		Started On: 09/15/2023 10:37 AM
Final Approval Date: 09/21/2023		

www.ae2s.com

September 19, 2023

Bruce Westby
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

Re: Water Treatment Plant – Construction Contingency Expense No. 1

Dear Mr. Westby:

AE2S continues to oversee the construction of Ramsey's new WTP. Magney has poured the foundation in the Reservoir and some of the exterior walls and has started to pour foundations in the Water Treatment Plant. Our engineering team has continued to coordinate with Magney and further refine the installation details of other pieces of equipment. Through those investigations we have identified some items that will require adjustments. This letter is intended to outline those adjustments and summarize the current project budget in order for Ramsey to fully understand the status of the project.

Basis for of Construction Contingency Expenses:

Currently 6 requests for pricing (RFP) have been submitted to Magney. A full list of those requests are shown below. To date AE2S has received pricing back on three of the RFP's and we would like to move forward with Construction Contingency Expense No. 1, which will include price RFP 001, 003, and 006. The Contractor has included a request for extension in RFP 001 and RFP 006. More information has been requested before approving the time extensions. If an extension is approved to extend the substantial completion date, that will result in a Change Order issued at a different time.

Expense No.	RFP No.	Description	Total Cost	Extension (days)	Required	Status
1	001	Mixing Pumps Pipe Upsizing	$51,287.38	14	Y	Pending Expense
	002	Upsizing Air Exchange in Plate Settler Room	Pending			Under Review - Contractor
1	003	Admin Ceiling Grid Color	$2,609.25		N	Pending Expense
	004	Blower Pipe Upsizing	Pending			Under Review - Contractor
	005	Flowable Fill	Pending			Under Review - Contractor
1	006	Storm and Plumbing Updates	$22,550.28	88	Y	Pending Expense
Note: Any extension delays will be approved as a separate Change Order and will not be included in this Construction Contingency Expense.						

RFP No. 001: Mixing Pumps Pipe Upsizing:

The Backwash Tank mixing system manufacturer is recommending that the suction and discharge piping on the mixing pump be upsized from the proposed 6" to 14" to meet the required mixing flow rate. This change will not alter the price of the mixing system package that will be supplied by the manufacturer. However, it will require Magney to upsize the pipes and valves from the pump to the tank.

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RFP No. 003: Admin Ceiling Grid Color:

The acoustic ceiling suspension grid in the administrative area of the Water Treatment Plant was originally specified as being white. However, after reviewing samples provided by the manufacturer, it was determined by the Architect that a chrome system would be better suited for the aesthetics of this area.

RFP No. 006: Storm and Plumbing Updates:

For plan approval, the Department of Labor Industries must review all plumbing and civil plans. Comments back required adjustments to various plumbing elements and modifications to the stormwater retention pond were required. These changes are necessary to meet all building codes.

Summary of General Construction Contingency Costs:

AE2S has summarized all known construction contingency expenses at this time in order to help Ramsey better understand the current contingency status. As Construction progresses AE2S will continue to provide cost updates and coordinate with City staff.

Original	General Construction Contingency Amount
	$ 950,000.00
Expense No. 1	$76,446.53
Net Expenses to date:	**$76,446.53**
Available Construction Contingency =	**$873,553.47**

In summary, AE2S continues to support and track the progress of the WTP and will provide updates as necessary for Ramsey to make responsible decisions on the progress of the WTP. This document is being submitted as Construction Contingency Expense No. 1 for Ramsey to formally consider and take action on. Should you have any further questions please do not hesitate to contact me at my e-mail Ryan.Hanson@ae2s.com or on my cell phone at 612-220-0154.

Submitted in Service,
AE2S

Ryan Hanson
Construction Lead

Attachments: *RFP Documents 001, 003, & 006*

	RECOMMENDED:		ACCEPTED:		ACCEPTED:
By:	Ryan Hanson	By:		By:	
	Engineer (if required)		Owner (Authorized Signature)		Contractor (Authorized Signature)
Title:	Project Engineer	Title:		Title:	
Date:	September 19, 2023	Date:		Date:	

MAGNEY CONSTRUCTION
COMMERCIAL & INDUSTRIAL CONTRACTORS
1401 Park Road - Chanhassen, MN 55317
952.474.1674 Office 952.474.1679 Fax
www.magneyconstruction.com

Proposal

SEND TO		From
Company name: AE2S		Kevin Vranicar
Attention: Mr. Ryan Hanson		Date: 5/16/2023
E-mail: Ryan.Hanson@ae2s.com	Phone: (612) 220-0154	Proposal #: 001 - Jet Mixing Piping Modifications

☐ Urgent ☐ Please comment ☒ Please review ☐ For your information

Total pages, including cover: 9

COMMENTS

Re: Ramsey Water Treatment Plant - Ramsey, MN

Ryan,
Magney Construction, Inc. is pleased to present the following quotation to modify and upsize the specified 6-inch piping, fittings, valves, nuts, bolts and gaskets to the required 14-inch piping, fittings, valves, nuts, bolts and gaskets. Treatment Resources is also recommending changing the jet mixing pumps, which comes with a substantial credit. The costs associated with this change are summarized below.

Labor: Additional Labor Required for 14" Pipe vs. 6" Pipe	$	9,922.50
Material: Additional Costs for 14" vs. 6" Pipe, Fittings, Valves, N,B&G, (incl. tax)	$	54,156.60
Equipment: Misc. Small Tools and Equipment (10% of Labor)	$	992.25
Subcontractor: Fresh Blast Painting	$	450.00
Subtotal	$	65,521.35
General Contractor's Overhead	$	9,783.20
Bond & Insurance premiums	$	982.82
Lump Sum Total:	**$**	**76,287.38**

Proposed Lump Sum Credit:	**$**	**(25,000.00)**
Treatment Resources has proposed changing the jet mixing pumps from Warman to Peerless. The horsepower will drop from 50 HP to 25 HP, but will still deliver the design duty points specified and will perform well in this application. Please review the attached Peerless pump cut sheets.		

Grand Total:	**$**	**51,287.38**

Additional Working Days Required for this Change (Including material lead time)**:**	**14.0**

Please review this proposal and feel free to contact me with any questions, comments or concerns.

Thank you,

Kevin Vranicar
Vice President

Accepted By	Date

TREATMENT RESOURCES
Offering innovative process solutions.

Customer Price Sheet Total Only

Project name	Jet Water Pumps	Quote Number / ID	
Customer	Treatment Resources	Model / Stages	10AE14A / 1
Tag Number	001, 002	Flow, rated	3,150 USgpm
Customer ref. / PO		Differential head / pressure, rated	24.00 ft
		Speed, rated	865 rpm

Lead Time Total	19 wks		

Pump

Qty	Description
1	*10AE14A*
	Scope of Supply
	Scope
	Pump Type
	Pump Type: New Pump
	Scope of Supply: Complete Unit (Pump, Motor, Base, Cplg and Grd)
	General Pump Construction
	Materials
	Pump Material: Cast Iron Bronze Fitted Rings, Horiz Mount
	Pump Rotation: Clockwise (Right Hand)
1	Casing: CI Casing Assembly 125lb/125lb ANSI Flanges
1	Gaskets: Hardware & Split Flange Gasket for Casing
	Impeller Configuration: Standard
1	Impeller Material: Bronze Impeller with with 11-13% Cr Bronze
2	Casing Ring Material: 11-13% Bronze Casing Rings w/ Extra Clearance Shaft
	Configuration: Single Row Outboard Bearing
1	Shaft Material: CW (RH) Shaft - Steel, Single Row Outboard Bearing Shaft Sleeve
1	Material: 304 SS Shaft Sleeves (set)
1	Bearing Lubrication: Standard Grease Lubricated Ball Bearings
1	Bearing Protection: Single Row Outboard/Inboard Brgs with Std Lip Seals Coating:
	Standard Blue Enamel
	Seal & Packing Construction
	Seal Options
	Seal Type: Mechanical
1	Seal Material: JC, Tp 21, 32-225°F, Carbon/Ceramic, Buna-N, 316SS (Set of 2)
1	Seal Piping: Mechanical Seal Flush Piping - 18-8 Stn Steel
	Mounting Parts
	Base & Coupling Options
1	Base: Fabricated Steel Drip Rim Base
1	Coupling Type & Size: T B Wood, Sureflex Flexible Coupling: 9SJES
1	Coupling Guard: ANSI B15.1 Coupling Guard, Steel
	Motor Driver
	Motor Type
	Site Voltage: 460 volt, 3 phase

Qty	

Certification & Documentation

Qty	Description
1	Drawings: Standard dimensional print on 'A' size format - factory generated
1	Drawings: Standard cross sectional print on 'A' size format - factory generated
1	Drawings: Standard computer generated BOM (standard ERP output)
1	Installation and Operation manuals (IOMs): Standard Peerless IOM (www.peerlesspump.com)

Motor

Qty	Description
1	**Motor Driver**
	Motor Type
	Motor Enclosure: TEFC
	Motor Efficiency: NEMA Premium
	Motor Phase: Three Phase
1	Selected Motor: 25Hp 880R 326T 460V 3Ph 60Hz PremEff GE Motor # 5KS326SAA408 Pump Speed will be controlled with VFD
	Special Motor Frame Size: Configured Motor 25 hp 326T Frame 900 RPM

Pump Performance Datasheet

Customer	: Treatment Resources	Quote Number / ID	:
Customer ref. / PO	:	Peerless Model	: 10AE14A
Tag Number	: 001	Stages	: 1
Service	:	Based on curve number	: 10AE14A-865 Rev Mar 2018
Quantity	: 1	Date last saved	: 05 May 2023 4:07 PM

Operating Conditions

Flow, rated	: 3,150 USgpm
Differential head / pressure, rated (requested)	: 24.00 ft
Differential head / pressure, rated (actual)	: 23.99 ft
Suction pressure, rated / max	: 5.00 / 5.00 psi.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz

Performance

Speed, rated	: 865 rpm
Impeller diameter, rated	: 12.72 in
Impeller diameter, maximum	: 14.00 in
Impeller diameter, minimum	: 10.00 in
Efficiency	: 83.81 %
NPSH required / margin required	: 14.5 / 0.0 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 2,259 / 5,552 US Units
MCSF	: 1,169 USgpm
Head, maximum, rated diameter	: 45.03 ft
Head rise to shutoff	: 87.69 %
Flow, best eff. point	: 2,548 USgpm
Flow ratio, rated / BEP	: 123.63 %
Diameter ratio (rated / max)	: 90.86 %
Head ratio (rated dia / max dia)	: 72.72 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid

Liquid type	: Cold Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a

Material

Material selected	: Cast Iron - 125# Discharge

Pressure Data

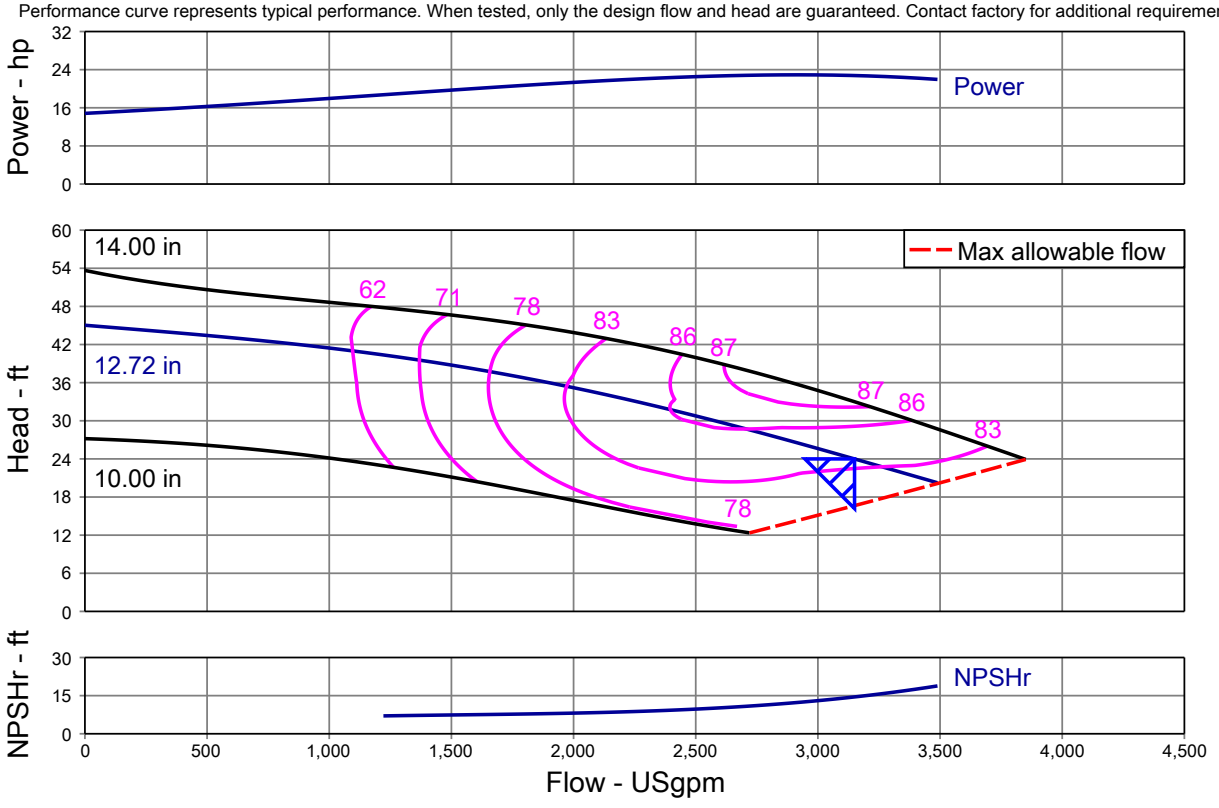
Maximum working pressure	: 24.49 psi.g
Maximum allowable working pressure	: 175.0 psi.g
Maximum allowable suction pressure	: 300.0 psi.g
Hydrostatic test pressure	: N/A

Driver & Power Data (@Max density)

Motor sizing specification	: Rated power (based on duty point)
Margin over specification	: 0.00 %
Service factor	: 1.15
Power, hydraulic	: 19.1 hp
Rated power (based on duty point)	: 22.8 hp
Max power (non-overloading)	: 22.9 hp
Nameplate motor rating	: 25.0 hp / 18.6 kW

Performance based on test acceptance - Hyd Ins 14.6 Bilateral (2B)

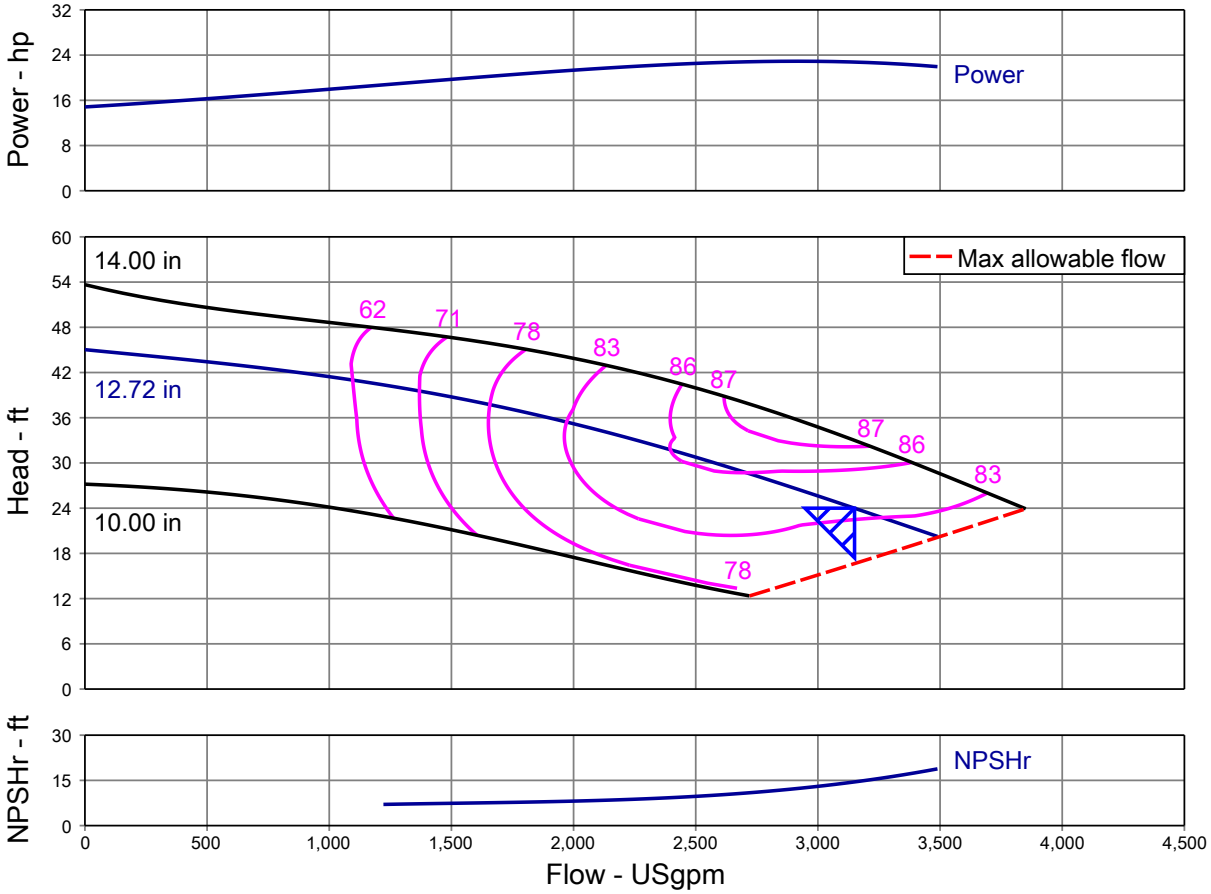
Performance curve represents typical performance. When tested, only the design flow and head are guaranteed. Contact factory for additional requirements.



Pump Performance Curve

Performance based on test acceptance - Hyd Ins 14.6 Bilateral (2B)

Performance curve represents typical performance. When tested, only the design flow and head are guaranteed. Contact factory for additional requirements.



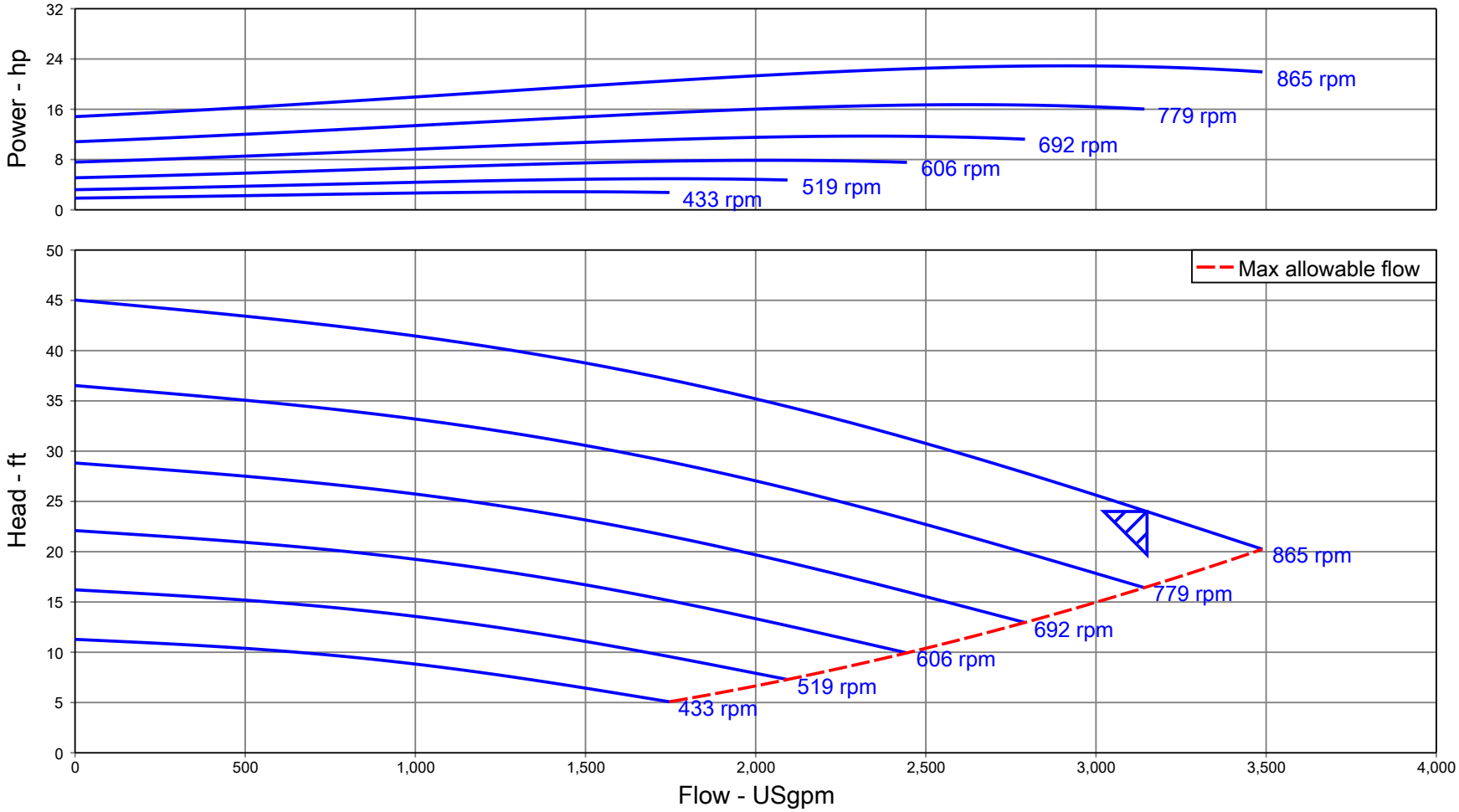
Customer	: Treatment Resources	Peerless Model	: 10AE14A
Customer ref. / PO	:	Stages	: 1
Tag Number	: 001	Speed, rated	: 865 rpm
Service	:	Based on curve number	: 10AE14A-865 Rev Mar 2018
Quantity	: 1	Efficiency	: 83.81 %
Quote Number / ID	: 1951129	Rated power (based on duty point)	: 22.8 hp
Date last saved	: 05 May 2023 4:07 PM	Max power (non-overloading)	: 22.9 hp
Flow, rated	: 3,150 USgpm	NPSH required	: 14.5 ft
Differential head / pressure, rated	: 24.00 ft	Viscosity	: 1.00 cP
Fluid density, rated / max	: 1.000 / 1.000 SG	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00

Flow (USgpm)	Head (ft)	Efficiency (%)	Power (hp)	NPSHr (ft)	Thrust, total (lbf)
0	45.03	0.00	14.8	-	-
388	43.80	26.91	15.9	-	-
775	42.41	48.31	17.2	-	-
1,163	40.66	64.44	18.5	-	-
1,551	38.44	75.70	19.9	7.5	-
1,939	35.69	82.59	21.1	8.0	-
2,326	32.40	85.77	22.2	9.0	-
2,714	28.64	85.98	22.8	10.9	-
3,102	24.52	84.14	22.8	14.0	-
3,489	20.25	81.24	22.0	18.8	-

Multi-Speed Performance Curve

Performance based on test acceptance - Hyd Ins 14.6 Bilateral (2B)

Performance curve represents typical performance. When tested, only the design flow and head are guaranteed. Contact factory for additional requirements.



Project name	: Jet Water Pumps	Tag Number	: 001	Speed, rated	: 865 rpm
Commissioned Representative	:	Service	:	Flow, rated	: 3,150 USgpm
		Peerless Model	: 10AE14A	Differential head / pressure, rated	: 24.00 ft
Customer	: Treatment Resources	Quantity	: 1	Fluid density, rated / max	: 1.000 / 1.000 SG
Customer ref. / PO	:		:	Viscosity	: 1.00 cP
Quote Number / ID	: 1951129		:	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Date last saved	: 05 May 2023 4:07 PM	Stages	: 1	Based on curve number	: 10AE14A-865 Rev Mar 2018

Project name	: Jet Water Pumps	Tag Number	: 001
Commissioned Representative	:	Service	:
Customer	: Treatment Resources	Model	: 10AE14A
Customer ref. / PO	:	Quantity	: 1
Quote Number / ID	: 1951129		:
Date last saved	: 05 May 2023 4:07 PM		

Construction

Nozzle	Size (in.)	Nozzle Configuration	Pos'n
Suction	12	125# ANSI	-
Discharge	10	125# ANSI	-

Orientation / Configuration	: Horizontal Split Case Single Stage
Rotation	: Clockwise
Wear Ring Configuration	: with 11-13% Cr wear ring
Impeller Configuration	: Standard
Shaft Configuration	: Single Row Outboard Bearing
Sump Depth (feet)	:
Bearing Frame	:
Bearing Frame Foot	:
Bearing Type (Radial/Thrust)	:
Bearing Lubrication	: Standard Grease Lubricated Ball Bearings
Thrust Bearing	:
Intermediate Bearing	:
Lower Bearing	:
Bearing Housing Accessories	:
Peerless Pump Model	: 10AE14A - All Brnz Imp w/brnz Rings Horiz Mount, Mechanical With CI Casing Assembly 125lb/125lb ANSI Flanges

Baseplate, Coupling, and Guard

Baseplate	: Fabricated Steel Drip Rim Base
Drip Pan	:
Coupling	: T B Wood, Sureflex Flexible Coupling
Guard	: ANSI B15.1 Coupling Guard, Steel

Seal & Packing Construction

Sealing Method	: Mechanical
Seal Material	: JC, Tp 21, 32-225°F, Carbon/ Ceramic, Buna-N, 316SS (Set of 2)
Packing Gland	:
Lantern Ring	:
Recirculation Lines	: Mechanical Seal Flush Piping - 18-8 Stn Steel

Weights (Approx.)

Pump	: 1,380 lb
Baseplate	: 337 lb
Driver	: 0 lb
Estimated Shipping Gross Weight	: 1,717 lb

Motor Information

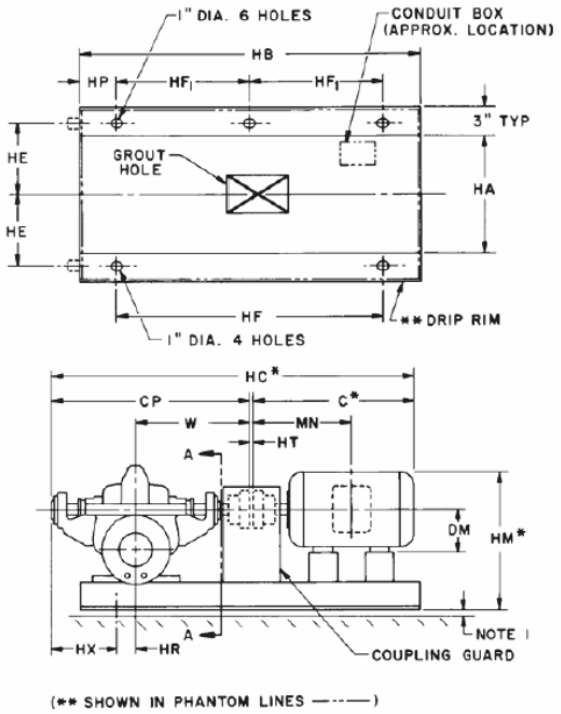
Manufacturer	: N/A
Frame Size	: 326T
Power	: 0.0 hp
RPM	: 900 rpm
Enclosure	: TEFC
Operating Power Supply	: 460/3/60
Efficiency	: Premium
Service Factor	: N/A
Motor Application	:
Motor Options / Accessories	:
Catalog Number	:

Materials

Case	
Ring, Casing	
Impeller	
Impeller Wear Ring	
Impeller Key	
Gasket, Casing	
Coating	
Pump Shaft	
Sleeve	
Line Shaft	:
Column	:
Discharge Pipe	:
Discharge Elbow	:
Suction Elbow	:
Subplate	:
Hardware	:
O-rings	:
Pump Coating	: Standard Blue Enamel

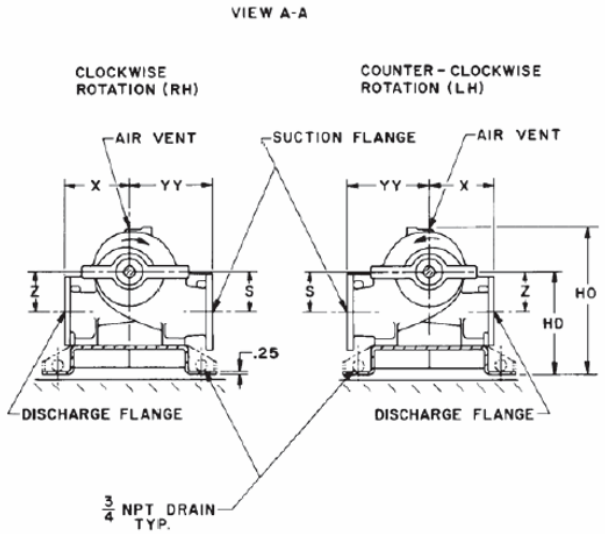
General Arrangement Drawing

Project name	: Jet Water Pumps	Tag Number	: 001
Commissioned Representative	:	Service	:
Customer	: Treatment Resources	Model	: 10AE14A
Customer ref. / PO	:	Quantity of pumps	: 1
Quote Number / ID	: 1951129		
Date last saved	: 05 May 2023 4:07 PM		



Note 1: Customer must fill base with grout and allow for .75 to 1.50 inch grout thickness between top of foundation and bottom of base

Note 2: Unit Installation and final coupling alignment must be done by the installing contractor per Peerless Pump Company Installation Bulletin 2880549.



Units	Frame	CP	S	W	X	YY	Z	C	DM	HC	HD	HM	HO	HR	HT	HX	MN	HA	HB	HE
Inches	326T	42.75	11	24	15	18.75	11	32	8	75	22	30.5	34	7	0.25	11.75	16.5	24	72	13.5

Suction size	12 in.	Suction flange	125 lb ANSI	Base Furnished	Yes
Discharge size	10 in.	Discharge flange	125 lb ANSI	Rotation	Clockwise (Right Hand)

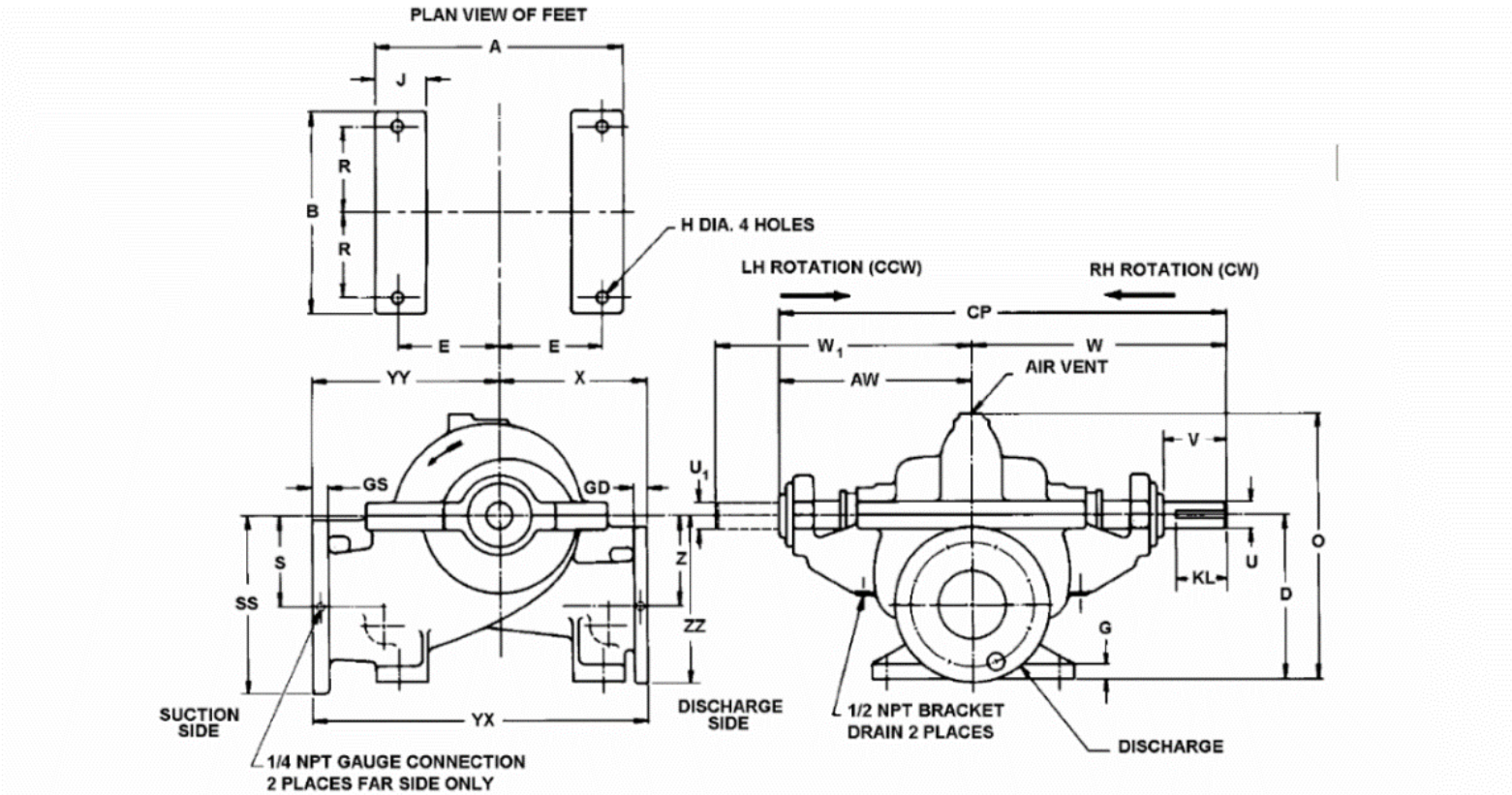
HF	HF1	HP
0	30	6

Flow	3,150 USgpm	Fluid	Cold Water	Impeller Diameter	12.72 in	Enclosure	N/A	Service Factor	N/A
TDH	24.00 ft	Temp	68 F	Pump Speed	865 RPM	Power	0 Hp	Electrical Spec	3/460/60

Pump Weight	1380 lbs	Motor Weight	0 lbs	Base Weight	330 lbs	Coupling Weight	7 lbs	Total Weight	1717 lbs

General Arrangement Drawing

Project name	: Jet Water Pumps	Tag Number	: 001
Commissioned Representative	:	Service	:
Customer	: Treatment Resources	Model	: 10AE14A
Customer ref. / PO	:	Quantity of pumps	: 1
Quote Number / ID	: 1951129		
Date last saved	: 05 May 2023 4:07 PM		



Units	A	AW	B	CP	D	E	G	GD	GS	H	J	KL	O	R	S	SS	U	U1	V	W
Inches	22	18.75	22	42.75	18	9.5	1.12	1.88	2	1	4	4	29.5	9.5	11	21.5	2.25	RTF	4.88	24

Suction size	12 in.	Suction flange	125 lb ANSI	Base Furnished	Yes
Discharge size	10 in.	Discharge flange	125 lb ANSI	Rotation	Clockwise (Right Hand)

W1	X	YY	YX	Z	ZZ	Keyway
RTF	15	18.75	33.75	11	20	-

Flow	3,150 USgpm	Fluid	Cold Water	Impeller Diameter	12.72 in	Enclosure	N/A	Service Factor	N/A
TDH	24.00 ft	Temp	68 F	Pump Speed	865 RPM	Power	0 Hp	Electrical Spec	3/460/60

Pump Weight	1380 lbs	Motor Weight	0 lbs	Base Weight	330 lbs	Coupling Weight	0 lbs	Total Weight	1717 lbs

MAGNEY CONSTRUCTION
COMMERCIAL & INDUSTRIAL CONTRACTORS
1401 Park Road - Chanhassen, MN 55317
952.474.1674 Office 952.474.1679 Fax
www.magneyconstruction.com

Proposal

SEND TO		
Company name AE2S		*From* Kevin Vranicar
Attention Mr. Ryan Hanson		*Date* 8/22/2023
E-mail Ryan.Hanson@ae2s.com	*Phone* (612) 220-0154	*Proposal #* 002 - RFP # 003 Acoustical Ceiling Grid Color Modifications

☐ ***Urgent*** ☐ ***Please comment*** ☒ ***Please review*** ☐ ***For your information***

Total pages, including cover: 3

COMMENTS

Re: Ramsey Water Treatment Plant - Ramsey, MN

Ryan,
Magney Construction, Inc. is pleased to present the following quotation to furnish the necessary labor, material and/or equipment to modify the specified color (white) of the acoustical celling suspension grid system to either Silver Satin or Chrome, per your 5/22/23 email request. A pricing option has been provided below for each of the two color options. The costs associated with this change are summarized below.

Option 1 - Silver Satin		
Labor:	$	-
Material:	$	-
Equipment:	$	-
Subcontractor: Twin City Acoustics, Inc. (see attached) **- SILVER SATIN**	$	975.00
Subtotal	$	975.00
General Contractor's Overhead	$	48.75
Bond & Insurance premiums	$	14.63
Lump Sum Total:	**$**	**1,038.38**

Option 2 - Chrome Grid		
Labor:	$	-
Material:	$	-
Equipment:	$	-
Subcontractor: Twin City Acoustics, Inc. (see attached) **- CHROME GRID**	$	2,450.00
Subtotal	$	2,450.00
General Contractor's Overhead	$	122.50
Bond & Insurance premiums	$	36.75
Lump Sum Total:	**$**	**2,609.25**

Additional Working Days Required for this Change (Including material lead time):	**0.0**

Please review this proposal and feel free to contact me with any questions, comments or concerns.

Thank you,

Kevin Vranicar
Vice President

Accepted By	*Date*

Commercial and Residential
An Equal Opportunity Employer

TWIN CITY ACOUSTICS, INC.
9449 SCIENCE CENTER DRIVE
NEW HOPE, MN 55428
P)763.535.6697 ◆ F)763.535.5309
gregs@tcacoustics.com

TO: Magney Construction
1401 Park Road
Chanhassen, MN 55317

Attention: Noah
Fax: (952) 474-1679

DATE: May 23, 2023

PROJECT: **Ramsey Water Treatment Plant**

LOCATION: Ramsey, MN

ADDENDUM:

==========

We propose to furnish and install the following materials for the above referenced project in accordance with the terms and conditions listed below and in accordance with the project plans and specifications unless noted. Labor, materials and equipment necessary for the installation is included unless specifically stated to the contrary.

COST CHANGE TO GO FROM WHITE GRID FOR WIREWORKS PRODUCT ONLY

OPTION FOR SILVER SATIN : ADD $975.00

OPTION FOR CHROME GRID : ADD $2,450.00

NOTE: Dumpsters, sweeping & final cleaning to be furnished by General Contractor at no cost to Twin City Acoustics, Inc.
No seismic bracing or compression struts figured.

Material, labor and sales tax included in our quote.

This proposal is valid for 30 days from date of issue. TERMS: Net cash for 90% of value of materials delivered on the job and labor for installing materials for the job during the previous 30 day period; shall be due the 10th of the following month, balance net cash after 30 days after completion. All taxes now or hereafter levied by any Federal, State or local authority, upon sale of foregoing materials are not included in the price and shall be paid by the purchaser unless specifically stated otherwise in this proposal.

Accepted by: _____

Company: _____

Date: _____ Order No._____

TWIN CITY ACOUSTICS, INC.

By: _____
Derek Brinker
derek@tcacoustics.com

MAGNEY CONSTRUCTION
COMMERCIAL & INDUSTRIAL CONTRACTORS
1401 Park Road - Chanhassen, MN 55317
952.474.1674 Office 952.474.1679 Fax
www.magneyconstruction.com

Proposal

SEND TO		From
Company name: AE2S		Kevin Vranicar
Attention: Mr. Ryan Hanson		Date: 8/30/2023
E-mail: Ryan.Hanson@ae2s.com	Phone: (612) 220-0154	Proposal #: 005 - RFP 006 DOLI Storm & Plumbing Revisions

☐ Urgent ☐ Please comment ☒ Please review ☐ For your information

Total pages, including cover: 6

COMMENTS

Re: Ramsey Water Treatment Plant - Ramsey, MN

Ryan,
Magney Construction, Inc. is pleased to present the following quotation to furnish the necessary labor, material, and equipment to modify portions of the originally specified plumbing and civil plan sheets, due to the updates required by the Department of Labor and Industry. This quotation is based upon AE2S' Request for Proposal No. 006, dated 6/29/2023 and also includes the additional calendar days lost, due to the delay in the permitting process. Please note that the full impact, both financial and scheduling, associated with this delay are still being calculated and will be submitted in a future change order request. The costs associated with this change are summarized below.

Labor:		$	-
Material:		$	-
Equipment:		$	-
Subcontractor:	Northern Plumbing Tech (see attached)	$	5,034.18
Subcontractor:	Miller Excavating (see attached)	$	12,286.90
Subcontractor:	Erickson Electric Company, Inc. (see attached)	$	3,852.89
Subtotal		$	21,173.97
General Contractor's Overhead		$	1,058.70
Bond & Insurance premiums		$	317.61
Lump Sum Total:		**$**	**22,550.28**

Additional Calendar Days Required for this Change (Including material lead time):	**88.0**

Please review this proposal and feel free to contact me with any questions, comments or concerns.

Thank you,

Kevin Vranicar
Vice President

Accepted By	Date

Northern Plumbing Tech
16376 230th Avenue NW
Elk River, MN 55330

Voice: (763) 263-8995
Fax: (763) 263-0830

QUOTATION

Quote Number: 323
Quote Date: Aug 29, 2023
Page: 1

Quoted To:
MAGNEY CONSTRUCTION 1401 PARK ROAD CHANHASSEN, MN 55317

Customer ID	Good Thru	Payment Terms	Sales Rep
MAGNEY	9/28/23	Net 30 Days	

Quantity	Item	Description	Unit Price	Amount
		RAMSEY WTP DEPARTMENT OF LABOR CHANGES		
		* S-1 NO COST CHANGES		
		*S-3 ADDITIONAL COST		66.82
		S-4 ADDITIONAL COST		359.03
		S-5 NO COST CHANGES		
		*SP-1 SIMPLEX PUMP TO DUPLEX PUMP		2,548.33
		*UT-1 ADD WASTE AND VENT PIPING (MATERIAL AND LABOR		2,060.00

Subtotal	5,034.18
Sales Tax	
TOTAL	**5,034.18**

Kevin Vranicar

From: Steve St. Claire <steve.st.claire@millerexc.com>
Sent: Monday, August 28, 2023 9:30 AM
To: Noah Pundsack
Subject: RE: Ramsey MN WTP RFP 006

5. Revisions to watermain alignment. Refer to Attached Sheets C400, C401, and C402.
6. Revisions to storm invert elevations and storm pond size. Refer to Attached Sheets C400, C401, and C402.

Change Order Labor & Equipment Cost Increase	$10,500.00
Change Order Materials Increase (18" RCP & Weir)	$ 1,786.90
TOTAL INCREASE	**$12,286.90**

Steve St. Claire
President | **Miller Excavating, Inc.**
3741 Stagecoach Trail North | Stillwater, MN 55082
651.439.1637 Office |651.351.7210 Fax
office@millerexc.com | Email

Erickson Electric Company, Inc.
3308 Southway Drive • Saint Cloud MN 56301-9513
Phone 320.251.1501 • Fax 320.251.1504

PROPOSAL

August 15, 2023

Noah Pundsack
Magney Construction

RE: RFP 006

The total cost of the electrical for this RFP 006 is: **$3,852.89**

Included:

- Conduit, wire, and labor for the added Sump Pump
- Provide and install the new breaker to feed the Sump Pump.
- All work to be done Monday thru Friday 7AM to 3:30PM
- Electrical permit included
- Proposal valid for 30 days

Please feel free to contact me if you have any questions. Thank you for your consideration of this proposal. My cell phone: 320-774-5613

Sincerely,

Kyle Klemek
kylek@ericksonelectricmn.com

Erickson Electric

Material			**Cost**
Material		$	1,171.43
Tax 7.625%		$	89.32
Material MU 10%		$	117.14
Permit		$	-

Labor	**Rate/hr**	**Hours**		
PM/Estimator	$170	1	$	170.00
Wireman	$160	13	$	2,080.00
Overtime 1-1/2	$240	0	$	-
Overtime double time	$320	0	$	-
Labor MU 10%			$	225.00

Subcontractor

	Mat.	$	-
	labor	$	-
Markup @ 5%		$	-
Subtotal		$	3,852.89
Bond		$	-
Total cost for this change		**$**	**3,852.89**

	A	B	C	D	E	F	G	H	I	J
1	Item #	Item Name	Quantity	Price	U	Ext Price	Labor	U	Labor Ext	CCode
2	RFP 006 Backup					**$1,171.43**			**12.94**	
3	CCode: Branch Rough					$303.08			6.88	
4	2,226	3/4 IMC	61.66	$446.54	C	$275.34	8.20	C	5.06	cb
5	4,512	3/4 LOCKNUT	8.00	$90.47	C	$7.24	0.17	E	1.36	cb
6	4,582	3/4 BUSH PLASTIC	4.00	$106.53	C	$4.26	0.00	E	0.00	cb
7	5,192	3/4 GRC 1H MAL STP	7.71	$210.69	C	$16.24	6.00	C	0.46	cb
8	CCode: Hangers/Anchors					$17.12			2.27	
9	5,460	1/4-20 X 3/4 RH MACH SCREW	7.71	$7.25	C	$0.56	4.30	C	0.33	ch
10	5,824	1/4 FLAT STEEL WASHER	7.71	$192.50	C	$14.84	1.09	C	0.08	ch
11	5,894	1/4 MACHINE BOLT ANCH	7.71	$22.37	C	$1.72	24.00	C	1.85	ch
12	CCode: Panels/Loadcenters					$745.00			1.07	
13	19,465	3P 20A BOLT-IN 277/480V CB	1.00	**$745.00**	E	$745.00	1.07	E	1.07	sp
14	CCode: Branch Wire					$106.23			2.72	
15	11	12 THHN CU STRANDED	302.64	$351.01	M	$106.23	9.00	M	2.72	wb
16						**$1,171.43**			**12.94**	

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-226

RESOLUTION APPROVING CONSTRUCTION CONTINGENCY EXPENSE NO. 1 FOR IMPROVEMENT PROJECT #21-09, CENTRALIZED WATER TREATMENT PLANT

WHEREAS, pursuant to Ramsey City Council Resolution #23-061 adopted March 28, 2023, a contract was awarded to Magney Construction, Inc. in the amount of $31,528,500.00 for construction of a centralized Water Treatment Plant and an amendment was accepted from Advanced Engineering and Environmental Services in the amount of $225,100.00 for additional construction phase services for the Water Treatment Plant, and

WHEREAS, the project includes a general construction contingency cost in the amount of $950,000 to pay for new items during construction that were not contemplated during the design process, or for items that the owner, engineer, or contractor(s) propose to revise during construction; and

WHEREAS, AE2S has identified several items requiring adjustments or that are recommended to be adjusted during construction under Construction Contingency Expense No. 1.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The City Administrator is hereby authorized and directed to execute Construction Contingency Expense No. 1 for the Centralized Water Treatment Plant in the amount of $76,446.53 for and on behalf of the City of Ramsey.

The motion of the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Identify and implement operational efficiencies, cost savings and additional funding sources.

Information

Title

Adopt Resolution #23-231 Providing for the Sale of $8,640,000 General Obligation Bonds, Series 2023A

Purpose/Background:

Purpose: To provide funding for $7M of COR Improvements consisting of: COR tree clearing, Hy 10/Ferret Street Reconstruction, COR mass grading and COR infrastructure plans and specs for Zeolite Street, Ramsey Parkway and Center Street and approximately $1.45M for capital equipment as outlined in the 2024 General Fund Budget.

Background:

A COR analysis Update was prepared by Bolton and Menk, Inc. Included in this analysis and confirmed by City Council were the following priorities:

- Grading, lining and installing storm sewer for the Waterfront stormwater pond
- Filling low-lying COR properties using fill from the Waterfront pond excavation
- Design and prepare plans and specifications for Zeolite Street, north end of Center Street and Ramsey Parkway between Sunwood Drive roundabout and Willemite Street.

All items listed above have been approved by City Council at various dates in 2023 with the funding stated to be the issuance of Tax Increment bonds in the estimated amount of $7,000,000.

After much discussion in regards to the proposed 2024 General Fund Budget and respective tax levies, it was determined that the unfunded capital equipment items would be funded via the issuance of capital equipment debt. The total amount of financing needed was $1.453Million.

One bond will be issued which will incorporate the funding needs as outlined above in the estimated amount of $8,640,000 which includes estimated underwriter and issuance costs (final amount will be known at time of sale). The Tax Increment side of the bond will be for a period of 15 years and the Capital Equipment will be for a term of 10 years.

Given current market conditions, if the city were to sell the approximately $8.640M of General Obligation bonds, the annual debt service would be approximately $825,000 for the first 10-years - which includes $645,000 to be funded from tax increment and $180,000 from the property tax levy (Capital Equipment portion). For years 11-15 of the issue, the annual debt service will be the $645,000 which is for the tax increment side only.

The debt service numbers presented (Pre-sale report attached) are strictly estimates based on current market conditions plus 50 basis. The actual bond pricing is proposed to be held on October 24, 2023 and brought back to City Council for awarding the sale of the bonds October 24, 2023.

Notification:

The city is scheduled to have a bond rating call with Standard and Poors (S&P) on October 12, 2023.

Observations/Alternatives:

1. Motion to Adopt Resolution #23-231 Providing for the Sale of $8,640,000 General Obligation Bonds.

2. Motion to not Adopt Resolution #23-231.

Funding Source:

$7M of debt issuance will fund the COR area improvements and $1.453M of issuance will fund the 2024 Capital Equipment expenditures as outlined in the 2024 General Fund Budget.

Recommendation:

Staff recommends option #1 as the COR improvements have already been authorized by CityCouncil and the $1.453M for capital equipment was supported as the funding source for the 2024 Capital purchases.

Action:

Motion to adopt Resolution #23-231 Providing for the Sale of $8,640,000 General Obligation Bonds, Series 2023A.

Attachments

Presale Report

Reso #23-231

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:10 AM
Form Started By: Diana Lund		Started On: 09/18/2023 01:28 PM
Final Approval Date: 09/21/2023		

September 26, 2023

PRE-SALE REPORT FOR

City of Ramsey, Minnesota

$8,640,000 General Obligation Bonds, Series 2023A

Prepared by:

Ehlers
3060 Centre Pointe Drive
Roseville, MN 55113

Advisors:

Stacie Kvilvang, Senior Municipal Advisor
Jason Aarsvold, Senior Municipal Advisor
Keith Dahl, Municipal Advisor

BUILDING COMMUNITIES. IT'S WHAT WE DO.

EXECUTIVE SUMMARY OF PROPOSED DEBT

Proposed Issue:

$8,640,000 General Obligation Bonds, Series 2023A

Purposes:

The proposed issue includes financing for the following purposes:

- COR TIF District Road Improvements - $7,155,000. This portion of the Bonds is being issued for a 15-year period. Debt service will be paid from tax increment generated from parcels within the District. These parcels include those that are developed and not currently pledged to any current PAYGO Note(s). Increment from parcels pledged to PAYGO Notes will be available for payment on bonds when the PAYGO Notes are paid in full. There are currently two PAYGO Notes within the COR TIF District (Affinity Apts. and COR Apts.) which are expected to be paid in full on February 1, 2024, and August 1, 2028 respectively. The current annual TIF estimate for parcels not pledged to the PAYGO Notes is approximately $950,000 and annual payments on the Bonds are approximately $645,000. This means there will be approximately $305,000 in annual TIF not pledged to any obligation(s), which provides debt service coverage at approximately 150%.
- Equipment Certificate - $1,485,000. This portion of the Bonds is being issued for a 10-year period. Debt service will be paid from ad valorem property taxes

Authority:

The Bonds are being issued pursuant to Minnesota Statutes, Chapters:

- 410.32 – Equipment Certificate
- 412.301 – Equipment Certificate
- 469 – TIF
- 475 – General Bonding Authority

TIF Portion of the Bonds: Because the City paying for at least 20% of the project costs with TIF from District No. 14, the Bonds can be a general obligation without a referendum and will not count against the City's debt limit.

Equipment Certificate Portion of the Bonds. If the amount of equipment certificates issued is more than .25% of the estimated market value (EMV) of taxable property in the City, a public hearing must be held, and the issue is subject to reverse referendum. The City's EMV for pay 2023 is $4,124,767,000. The amount of the outstanding equipment certificates, along with the proposed 2023A equipment portion of the Bonds, is approximately $1,745,000 which is below the statutory threshold of $10,311,918. Therefore, the Bonds may be issued without public notice and voter approval.

In addition, this portion of the Bonds counts towards the City's statutory debt limit, which is 3% of EMV. Therefore, the total amount of outstanding debt paid solely be taxes cannot exceed $123,743,010. If we include this portion of the Bonds and other bonds outstanding pursuant to this limitation (approximately $33.465 million), the City will still be well below the aforementioned legal debt limit.

The Bonds will be general obligations of the City for which its full faith, credit and taxing powers are pledged.

Term/Call Feature:

The Bonds are being issued for a term of 15 years. Principal on the Bonds will be due on December 15 in the years 2024 through 2038. Interest is payable every six months beginning June 15, 2024.

The Bonds will be subject to prepayment at the discretion of the City on December 15, 2032, or any date thereafter.

Bank Qualification:

Because the City is expecting to issue no more than $10,000,000 in tax exempt debt during the calendar year, the City will be able to designate the Bonds as "bank qualified" obligations. Bank qualified status broadens the market for the Bonds, which can result in lower interest rates.

Rating:

The City's most recent bond issues were rated by S&P Global Ratings. The current rating on those bonds is "AA+". The City will request a new rating for the Bonds.

If the winning bidder on the Bonds elects to purchase bond insurance, the rating for the issue may be higher than the City's bond rating in the event that the bond rating of the insurer is higher than that of the City.

Basis for Recommendation:

Based on your objectives, financial situation and need, risk tolerance, liquidity needs, experience with the issuance of Bonds and long-term financial capacity, as well as the tax status considerations related to the Bonds and the structure, timing and other similar matters related to the Bonds, we are recommending the issuance of Bonds as a suitable option.

Method of Sale/Placement:

We are recommending the Bonds be issued as municipal securities and offered through a competitive underwriting process. You will solicit competitive bids, which we will compile on your behalf, for the purchase of the Bonds from underwriters and banks.

An allowance for discount bidding will be incorporated in the terms of the issue. The discount is treated as an interest item and provides the underwriter with all or a portion of their compensation in the transaction.

If the Bonds are purchased at a price greater than the minimum bid amount (maximum discount), the unused allowance may be used to reduce your borrowing amount.

Premium Pricing:

In some cases, investors in municipal bonds prefer "premium" pricing structures. A premium is achieved when the coupon for any maturity (the interest rate paid by the issuer) exceeds the yield to the investor, resulting in a price paid that is greater than the face value of the bonds. The sum of the amounts paid in excess of face value is considered "reoffering premium." The underwriter of the bonds will retain a portion of this reoffering premium as their compensation (or "discount") but will pay the remainder of the premium to the City. The amount of the premium varies, but it is not uncommon to see premiums for new issues in the range of 2.00% to 10.00% of the face amount of the issue. This means that an issuer with a $2,000,000 offering may receive bids that result in proceeds of $2,040,000 to $2,200,000.

For this issue of Bonds, we have been directed to use the net premium to reduce the size of the issue. The resulting adjustments may slightly change the true interest cost of the issue, either up or down.

The amount of premium can be restricted in the bid specifications. Restrictions on premium may result in fewer bids but may also eliminate large adjustments on the day of sale and unintended impacts with respect to debt service payment. Ehlers will identify appropriate premium restrictions for the Bonds intended to achieve the City's objectives for this financing.

Review of Existing Debt:

We have reviewed all outstanding indebtedness for the City and find that there are no refunding opportunities at this time.

We will continue to monitor the market and the call dates for the City's outstanding debt and will alert you to any future refunding opportunities.

Continuing Disclosure:

Because the City has more than $10,000,000 in outstanding debt (including this issue) and this issue is over $1,000,000, the City will be agreeing to provide certain updated Annual Financial Information and its Audited Financial Statement annually, as well as providing notices of the occurrence of certain reportable events to the Municipal Securities Rulemaking Board (the "MSRB"), as required by rules of the Securities and Exchange Commission (SEC). The City is already obligated to provide such reports for its existing bonds, and has contracted with Ehlers to prepare and file the reports.

Arbitrage Monitoring:

The City must ensure compliance with certain sections of the Internal Revenue Code and Treasury Regulations ("Arbitrage Rules") throughout the life of the issue to maintain the tax-exempt status of the Bonds. These Arbitrage Rules apply to amounts held in construction, escrow, reserve, debt service account(s), etc., along with related investment income on each fund/account.

IRS audits will verify compliance with rebate, yield restriction and records retention requirements within the Arbitrage Rules. The City's specific arbitrage responsibilities will be detailed in the Nonarbitrage Certificate (the "Tax Compliance Document") prepared by your Bond Attorney and provided at closing.

The Bonds may qualify for one or more exception(s) to the Arbitrage Rules by meeting 1) small issuer exception, 2) spend down requirements, 3) bona fide debt service fund limits, 4) reasonable reserve requirements, 5) expenditure within an available period limitations, 6) investments yield restrictions, 7) de minimis rules, or; 8) borrower limited requirements.

An Ehlers arbitrage expert will contact the City within 30 days after the sale date to review the City's specific responsibilities for the Bonds. The City is currently receiving arbitrage services from Ehlers in relation to the Bonds.

Investment of Bond Proceeds:

Ehlers can assist the City in developing a strategy to invest your Bond proceeds until the funds are needed to pay project costs.

Risk Factors:

The TIF portion of the Bonds are being paid by taxes generated from parcels in the District that are currently not committed to other PAYGO obligations. If property valuations for those parcels decline significantly, with no corresponding increase in tax rates, and no new development commences within the TIF District, the City may need to levy taxes to make payments on the TIF portion of the Bonds.

Other Service Providers:

This debt issuance will require the engagement of other public finance service providers. This section identifies those other service providers, so Ehlers can coordinate their engagement on your behalf. Where you have previously used a particular firm to provide a service, we have assumed that you will continue that relationship. For services you have not previously required, we have identified a service provider. Fees charged by these service providers will be paid from proceeds of the obligation, unless you notify us that you wish to pay them from other sources. Our pre-sale bond sizing includes a good faith estimate of these fees, but the final fees may vary. If you have any questions pertaining to the identified service providers or their role, or if you would like to use a different service provider for any of the listed services please contact us.

Bond Counsel: Taft Stettinius & Hollister LLP

Paying Agent: Bond Trust Services Corporation

Rating Agency: Standard & Poor's Global Ratings (S&P)

Summary:

The decisions to be made by the City Council are as follows:

- Accept or modify the finance assumptions described in this report
- Adopt the resolution attached to this report.

PROPOSED DEBT ISSUANCE SCHEDULE

Pre-Sale Review by City Council:	September 26, 2023
Due Diligence Call to review Official Statement:	Week of Oct. 9, 2023
Distribute Official Statement:	October 12, 2023
Conference with Rating Agency:	Week of Oct. 2, 2023
City Council Meeting to Award Sale of the Bonds:	October 24, 2023
Estimated Closing Date:	November 15, 2023

Attachments

Estimated Sources and Uses of Funds

Estimated Proposed Debt Service Schedule

EHLERS' CONTACTS

Stacie Kvilvang, Senior Municipal Advisor	(651) 697-8506
Jason Aarsvold, Senior Municipal Advisor	(651) 697-8512
Keith Dahl, Municipal Advisor	(651) 697-8595
Rose Xiong, Public Finance Analyst	(651) 697-8589
Alicia Gage, Senior Financial Analyst	(651) 697-8551

City of Ramsey, Minnesota

$8,640,000 General Obligation Bonds, Series 2023A

Issue Summary

Assumes Current Market BQ AA+ Rates plus 50bps

Total Issue Sources And Uses

Dated 11/15/2023 | Delivered 11/15/2023

	TIF	Equip	Issue Summary
Sources Of Funds			
Par Amount of Bonds	$7,155,000.00	$1,485,000.00	$8,640,000.00
Total Sources	**$7,155,000.00**	**$1,485,000.00**	**$8,640,000.00**
Uses Of Funds			
Total Underwriter's Discount (1.200%)	85,860.00	17,820.00	103,680.00
Costs of Issuance	67,906.24	14,093.76	82,000.00
Deposit to Project Construction Fund	7,000,000.00	1,450,000.00	8,450,000.00
Rounding	1,233.76	3,086.24	4,320.00
Total Uses	**$7,155,000.00**	**$1,485,000.00**	**$8,640,000.00**

EHLERS
PUBLIC FINANCE ADVISORS

City of Ramsey, Minnesota

$8,640,000 General Obligation Bonds, Series 2023A

Issue Summary

Assumes Current Market BQ AA+ Rates plus 50bps

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
11/15/2023	-	-	-	-	-
06/15/2024	-	-	194,538.75	194,538.75	-
12/15/2024	460,000.00	3.950%	166,747.50	626,747.50	821,286.25
06/15/2025	-	-	157,662.50	157,662.50	-
12/15/2025	510,000.00	3.800%	157,662.50	667,662.50	825,325.00
06/15/2026	-	-	147,972.50	147,972.50	-
12/15/2026	530,000.00	3.750%	147,972.50	677,972.50	825,945.00
06/15/2027	-	-	138,035.00	138,035.00	-
12/15/2027	550,000.00	3.650%	138,035.00	688,035.00	826,070.00
06/15/2028	-	-	127,997.50	127,997.50	-
12/15/2028	570,000.00	3.650%	127,997.50	697,997.50	825,995.00
06/15/2029	-	-	117,595.00	117,595.00	-
12/15/2029	590,000.00	3.650%	117,595.00	707,595.00	825,190.00
06/15/2030	-	-	106,827.50	106,827.50	-
12/15/2030	610,000.00	3.650%	106,827.50	716,827.50	823,655.00
06/15/2031	-	-	95,695.00	95,695.00	-
12/15/2031	635,000.00	3.650%	95,695.00	730,695.00	826,390.00
06/15/2032	-	-	84,106.25	84,106.25	-
12/15/2032	660,000.00	3.700%	84,106.25	744,106.25	828,212.50
06/15/2033	-	-	71,896.25	71,896.25	-
12/15/2033	680,000.00	3.750%	71,896.25	751,896.25	823,792.50
06/15/2034	-	-	59,146.25	59,146.25	-
12/15/2034	525,000.00	3.950%	59,146.25	584,146.25	643,292.50
06/15/2035	-	-	48,777.50	48,777.50	-
12/15/2035	545,000.00	4.050%	48,777.50	593,777.50	642,555.00
06/15/2036	-	-	37,741.25	37,741.25	-
12/15/2036	570,000.00	4.150%	37,741.25	607,741.25	645,482.50
06/15/2037	-	-	25,913.75	25,913.75	-
12/15/2037	590,000.00	4.250%	25,913.75	615,913.75	641,827.50
06/15/2038	-	-	13,376.25	13,376.25	-
12/15/2038	615,000.00	4.350%	13,376.25	628,376.25	641,752.50
Total	**$8,640,000.00**	-	**$2,826,771.25**	**$11,466,771.25**	-

Yield Statistics

Bond Year Dollars	$71,680.00
Average Life	8.296 Years
Average Coupon	3.9435983%
Net Interest Cost (NIC)	4.0882411%
True Interest Cost (TIC)	4.1061715%
Bond Yield for Arbitrage Purposes	3.9281110%
All Inclusive Cost (AIC)	4.2492167%

IRS Form 8038

Net Interest Cost	3.9435983%
Weighted Average Maturity	8.296 Years

City of Ramsey, Minnesota

$8,640,000 General Obligation Bonds, Series 2023A

Issue Summary

Assumes Current Market BQ AA+ Rates plus 50bps

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	105% Overlevy
12/15/2023	-	-	-	-	-
12/15/2024	460,000.00	3.950%	361,286.25	821,286.25	862,350.56
12/15/2025	510,000.00	3.800%	315,325.00	825,325.00	866,591.25
12/15/2026	530,000.00	3.750%	295,945.00	825,945.00	867,242.25
12/15/2027	550,000.00	3.650%	276,070.00	826,070.00	867,373.50
12/15/2028	570,000.00	3.650%	255,995.00	825,995.00	867,294.75
12/15/2029	590,000.00	3.650%	235,190.00	825,190.00	866,449.50
12/15/2030	610,000.00	3.650%	213,655.00	823,655.00	864,837.75
12/15/2031	635,000.00	3.650%	191,390.00	826,390.00	867,709.50
12/15/2032	660,000.00	3.700%	168,212.50	828,212.50	869,623.13
12/15/2033	680,000.00	3.750%	143,792.50	823,792.50	864,982.13
12/15/2034	525,000.00	3.950%	118,292.50	643,292.50	675,457.13
12/15/2035	545,000.00	4.050%	97,555.00	642,555.00	674,682.75
12/15/2036	570,000.00	4.150%	75,482.50	645,482.50	677,756.63
12/15/2037	590,000.00	4.250%	51,827.50	641,827.50	673,918.88
12/15/2038	615,000.00	4.350%	26,752.50	641,752.50	673,840.13
Total	**$8,640,000.00**	**-**	**$2,826,771.25**	**$11,466,771.25**	**$12,040,109.81**

Significant Dates

Dated	11/15/2023
First Coupon Date	6/15/2024

Yield Statistics

Bond Year Dollars	$71,680.00
Average Life	8.296 Years
Average Coupon	3.9435983%
Net Interest Cost (NIC)	4.0882411%
True Interest Cost (TIC)	4.1061715%
Bond Yield for Arbitrage Purposes	3.9281110%
All Inclusive Cost (AIC)	4.2492167%

IRS Form 8038

Net Interest Cost	3.9435983%
Weighted Average Maturity	8.296 Years

City of Ramsey, Minnesota

$7,155,000 General Obligation Bonds, Series 2023A

TIF

Assumes Current Market BQ AA+ Rates plus 50bps

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
11/15/2023	-	-	-	-	-
06/15/2024	-	-	162,366.46	162,366.46	-
12/15/2024	340,000.00	3.950%	139,171.25	479,171.25	641,537.71
06/15/2025	-	-	132,456.25	132,456.25	-
12/15/2025	380,000.00	3.800%	132,456.25	512,456.25	644,912.50
06/15/2026	-	-	125,236.25	125,236.25	-
12/15/2026	395,000.00	3.750%	125,236.25	520,236.25	645,472.50
06/15/2027	-	-	117,830.00	117,830.00	-
12/15/2027	410,000.00	3.650%	117,830.00	527,830.00	645,660.00
06/15/2028	-	-	110,347.50	110,347.50	-
12/15/2028	425,000.00	3.650%	110,347.50	535,347.50	645,695.00
06/15/2029	-	-	102,591.25	102,591.25	-
12/15/2029	440,000.00	3.650%	102,591.25	542,591.25	645,182.50
06/15/2030	-	-	94,561.25	94,561.25	-
12/15/2030	455,000.00	3.650%	94,561.25	549,561.25	644,122.50
06/15/2031	-	-	86,257.50	86,257.50	-
12/15/2031	470,000.00	3.650%	86,257.50	556,257.50	642,515.00
06/15/2032	-	-	77,680.00	77,680.00	-
12/15/2032	490,000.00	3.700%	77,680.00	567,680.00	645,360.00
06/15/2033	-	-	68,615.00	68,615.00	-
12/15/2033	505,000.00	3.750%	68,615.00	573,615.00	642,230.00
06/15/2034	-	-	59,146.25	59,146.25	-
12/15/2034	525,000.00	3.950%	59,146.25	584,146.25	643,292.50
06/15/2035	-	-	48,777.50	48,777.50	-
12/15/2035	545,000.00	4.050%	48,777.50	593,777.50	642,555.00
06/15/2036	-	-	37,741.25	37,741.25	-
12/15/2036	570,000.00	4.150%	37,741.25	607,741.25	645,482.50
06/15/2037	-	-	25,913.75	25,913.75	-
12/15/2037	590,000.00	4.250%	25,913.75	615,913.75	641,827.50
06/15/2038	-	-	13,376.25	13,376.25	-
12/15/2038	615,000.00	4.350%	13,376.25	628,376.25	641,752.50
Total	**$7,155,000.00**	-	**$2,502,597.71**	**$9,657,597.71**	-

Yield Statistics

Bond Year Dollars	$62,901.25
Average Life	8.791 Years
Average Coupon	3.9786136%
Net Interest Cost (NIC)	4.1151133%
True Interest Cost (TIC)	4.1327842%
Bond Yield for Arbitrage Purposes	3.9281110%
All Inclusive Cost (AIC)	4.2690768%

IRS Form 8038

Net Interest Cost	3.9786136%
Weighted Average Maturity	8.791 Years

City of Ramsey, Minnesota

$7,155,000 General Obligation Bonds, Series 2023A

TIF

Assumes Current Market BQ AA+ Rates plus 50bps

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	105% Overlevy
12/15/2023	-	-	-	-	-
12/15/2024	340,000.00	3.950%	301,537.71	641,537.71	673,614.60
12/15/2025	380,000.00	3.800%	264,912.50	644,912.50	677,158.13
12/15/2026	395,000.00	3.750%	250,472.50	645,472.50	677,746.13
12/15/2027	410,000.00	3.650%	235,660.00	645,660.00	677,943.00
12/15/2028	425,000.00	3.650%	220,695.00	645,695.00	677,979.75
12/15/2029	440,000.00	3.650%	205,182.50	645,182.50	677,441.63
12/15/2030	455,000.00	3.650%	189,122.50	644,122.50	676,328.63
12/15/2031	470,000.00	3.650%	172,515.00	642,515.00	674,640.75
12/15/2032	490,000.00	3.700%	155,360.00	645,360.00	677,628.00
12/15/2033	505,000.00	3.750%	137,230.00	642,230.00	674,341.50
12/15/2034	525,000.00	3.950%	118,292.50	643,292.50	675,457.13
12/15/2035	545,000.00	4.050%	97,555.00	642,555.00	674,682.75
12/15/2036	570,000.00	4.150%	75,482.50	645,482.50	677,756.63
12/15/2037	590,000.00	4.250%	51,827.50	641,827.50	673,918.88
12/15/2038	615,000.00	4.350%	26,752.50	641,752.50	673,840.13
Total	**$7,155,000.00**	**-**	**$2,502,597.71**	**$9,657,597.71**	**$10,140,477.60**

Significant Dates

Dated	11/15/2023
First Coupon Date	6/15/2024

Yield Statistics

Bond Year Dollars	$62,901.25
Average Life	8.791 Years
Average Coupon	3.9786136%
Net Interest Cost (NIC)	4.1151133%
True Interest Cost (TIC)	4.1327842%
Bond Yield for Arbitrage Purposes	3.9281110%
All Inclusive Cost (AIC)	4.2690768%

IRS Form 8038

Net Interest Cost	3.9786136%
Weighted Average Maturity	8.791 Years

City of Ramsey, Minnesota

$1,485,000 General Obligation Bonds, Series 2023A

Equip

Assumes Current Market BQ AA+ Rates plus 50bps

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Fiscal Total
11/15/2023	-	-	-	-	-
06/15/2024	-	-	32,172.29	32,172.29	-
12/15/2024	120,000.00	3.950%	27,576.25	147,576.25	179,748.54
06/15/2025	-	-	25,206.25	25,206.25	-
12/15/2025	130,000.00	3.800%	25,206.25	155,206.25	180,412.50
06/15/2026	-	-	22,736.25	22,736.25	-
12/15/2026	135,000.00	3.750%	22,736.25	157,736.25	180,472.50
06/15/2027	-	-	20,205.00	20,205.00	-
12/15/2027	140,000.00	3.650%	20,205.00	160,205.00	180,410.00
06/15/2028	-	-	17,650.00	17,650.00	-
12/15/2028	145,000.00	3.650%	17,650.00	162,650.00	180,300.00
06/15/2029	-	-	15,003.75	15,003.75	-
12/15/2029	150,000.00	3.650%	15,003.75	165,003.75	180,007.50
06/15/2030	-	-	12,266.25	12,266.25	-
12/15/2030	155,000.00	3.650%	12,266.25	167,266.25	179,532.50
06/15/2031	-	-	9,437.50	9,437.50	-
12/15/2031	165,000.00	3.650%	9,437.50	174,437.50	183,875.00
06/15/2032	-	-	6,426.25	6,426.25	-
12/15/2032	170,000.00	3.700%	6,426.25	176,426.25	182,852.50
06/15/2033	-	-	3,281.25	3,281.25	-
12/15/2033	175,000.00	3.750%	3,281.25	178,281.25	181,562.50
Total	**$1,485,000.00**	-	**$324,173.54**	**$1,809,173.54**	-

Yield Statistics

Bond Year Dollars	$8,778.75
Average Life	5.912 Years
Average Coupon	3.6927073%
Net Interest Cost (NIC)	3.8956975%
True Interest Cost (TIC)	3.9271902%
Bond Yield for Arbitrage Purposes	3.9281110%
All Inclusive Cost (AIC)	4.1159426%

IRS Form 8038

Net Interest Cost	3.6927073%
Weighted Average Maturity	5.912 Years

EHLERS
PUBLIC FINANCE ADVISORS

City of Ramsey, Minnesota

$1,485,000 General Obligation Bonds, Series 2023A

Equip

Assumes Current Market BQ AA+ Rates plus 50bps

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	105% Overlevy
12/15/2023	-	-	-	-	-
12/15/2024	120,000.00	3.950%	59,748.54	179,748.54	188,735.97
12/15/2025	130,000.00	3.800%	50,412.50	180,412.50	189,433.13
12/15/2026	135,000.00	3.750%	45,472.50	180,472.50	189,496.13
12/15/2027	140,000.00	3.650%	40,410.00	180,410.00	189,430.50
12/15/2028	145,000.00	3.650%	35,300.00	180,300.00	189,315.00
12/15/2029	150,000.00	3.650%	30,007.50	180,007.50	189,007.88
12/15/2030	155,000.00	3.650%	24,532.50	179,532.50	188,509.13
12/15/2031	165,000.00	3.650%	18,875.00	183,875.00	193,068.75
12/15/2032	170,000.00	3.700%	12,852.50	182,852.50	191,995.13
12/15/2033	175,000.00	3.750%	6,562.50	181,562.50	190,640.63
Total	**$1,485,000.00**	**-**	**$324,173.54**	**$1,809,173.54**	**$1,899,632.22**

Significant Dates

Dated	11/15/2023
First Coupon Date	6/15/2024

Yield Statistics

Bond Year Dollars	$8,778.75
Average Life	5.912 Years
Average Coupon	3.6927073%
Net Interest Cost (NIC)	3.8956975%
True Interest Cost (TIC)	3.9271902%
Bond Yield for Arbitrage Purposes	3.9281110%
All Inclusive Cost (AIC)	4.1159426%

IRS Form 8038

Net Interest Cost	3.6927073%
Weighted Average Maturity	5.912 Years

EHLERS
PUBLIC FINANCE ADVISORS

City of Ramsey, Minnesota

$8,640,000 General Obligation Bonds, Series 2023A
Issue Summary
Assumes Current Market BQ AA+ Rates plus 50bps

Detail Costs Of Issuance

Dated 11/15/2023 | Delivered 11/15/2023

COSTS OF ISSUANCE DETAIL

Municipal Advisor	$44,000.00
Bond Counsel	$18,000.00
Rating Agency Fee	$19,000.00
Miscellaneous	$1,000.00
TOTAL	**$82,000.00**

Councilmember introduced the following resolution and moved its adoption:

RESOLUTION #23-231

RESOLUTION PROVDING FOR THE SALE OF $8,640,000 GENERAL OBLIGATION BONDS SERIES 2023A

WHEREAS, the City Council of the City of Ramsey, Minnesota (the "City") has heretofore determined that it is necessary and expedient to issue the City's $8,640,000 General Obligation Bonds, Series 2023A (the "Bonds"), to finance street improvements within the City's Tax Increment Financing (Redevelopment) District No. 14 and the acquisition of capital equipment for the City; and

WHEREAS, the City has retained Ehlers & Associates, Inc., in Roseville, Minnesota ("Ehlers"), as its independent municipal advisor for the Bonds in accordance with Minnesota Statutes, Section 475.60, Subdivision 2(9).

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1. Authorization. The City Council hereby authorizes Ehlers to assist the City for the sale of the Bonds.

2. Meeting; Proposal Opening. The City Council shall meet at 7:00 P.M. on October 24, 2023, for the purpose of considering proposals for and awarding the sale of the Bonds.

3. Official Statement. In connection with said sale, the officers or employees of the City are hereby authorized to cooperate with Ehlers and participate in the preparation of an official statement for the Bonds and to execute and deliver it on behalf of the City upon its completion.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember Musgrove and upon a vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

Mayor

ATTEST:

City Clerk

ATTEST:

STATE OF MINNESOTA
ANOKA COUNTY
CITY OF RAMSEY

I, the undersigned, being the duly qualified and acting City Administrator of the City of Ramsey, Minnesota, DO HEREBY CERTIFY that I have compared the attached and foregoing extract of minutes with the original thereof on file in my office, and that the same is a full, true and complete transcript of the minutes of a meeting of the City Council, duly called and held on the date therein indicated, insofar as the minutes relate to providing for the issuance and sale of $8,640,000 General Obligation Bonds, Series 2023A.

WITNESS my hand on September 26, 2023.

City Administrator

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title:

Adopt Resolution #23-232 Authorizing Partial Payment to Magney Construction, Inc. for Improvement Project #21-09, Centralized Water Treatment Plant

Purpose/Background:

Resolution and Pay Request attached.

Recommendation:

The Resident Project Representative from Advanced Engineering and Environmental Services (AE2S) has inspected the completed work and recommends partial payment #3 to Magney Construction, Inc. for said project in the amount of $858,896.90.

Outcome/Action:

Motion to adopt Resolution #23-232 authorizing partial payment #3 to Magney Construction, Inc. for Improvement Project #21-09, Centralized Water Treatment Plant in the amount of $858,896.90.

Attachments

Pay Resolution #23-232

Pay Request

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 10:37 AM
Brian Hagen	Brian Hagen	09/21/2023 11:12 AM
Form Started By: Stacie Damjanovich		Started On: 09/19/2023 09:03 AM
Final Approval Date: 09/21/2023		

Councilmember ____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-232

RESOLUTION AUTHORIZING PARTIAL PAYMENT #3 TO MAGNEY CONSTRUCTION, INC. FOR IMPROVEMENT PROJECT #21-09; CENTRALIZED WATER TREATMENT PLANT

WHEREAS, pursuant to Ramsey City Council Resolution #19-248 adopted October 8, 2019, five (5) proposals were accepted and a professional services contract was awarded to SEH, Inc. for analyzing the City's municipal water supply system source water, developing a water system model, and preparing a preliminary design report for a centralized water treatment plant to ensure that the City's municipal water supply system will continue to provide adequate quantities of safe drinking water into the foreseeable future; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-143 adopted May 25, 2021, the final Feasibility Study dated March 4, 2021, for the centralized water treatment plant was approved; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-150 adopted May 25, 2021, Requests for Proposals for professional engineering services to prepare final plans and specifications, to administer the bid process, and to provide construction administration services for construction of a municipal water treatment plant was approved and the advertising and direct soliciting of said proposal was authorized; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-220 adopted July 27, 2021, Staff was authorized to negotiate a contract with Advanced Engineering and Environmental Services (AE2S) in an amount not to exceed $1,198,600 in response to their professional engineering services proposal, subject to review and approval of the contract by the City Attorney; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-032 adopted January 24, 2023, final plans and specifications as prepared by AE2S were approved and advertisements for bids were authorized for Improvement Project #21-09; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-061 adopted March 28, 2023, the lowest responsible bid of Magney Construction, Inc. was accepted in the amount of $31,528,500, for the Base Bid and Section 01 21 00 Allowances, the Mayor and City Administrator were directed to enter into a construction contract with Magney Construction, Inc., and the Mayor was directed to accept the amendment from AE2S in the amount of $225,100 for additional construction phase services for said improvements for and on behalf of the City of Ramsey; and

WHEREAS, as of September 26, 2023 $1,483,607.40 has been paid to date; and

WHEREAS, the Resident Project Representative from Advanced Engineering and Environmental Services (AE2S) has inspected the completed work and recommends partial payment #3 to Magney Construction, Inc. for said project in the amount of $858,896.90.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA:

1) That the City Council hereby authorizes partial payment no. 3 to Magney Construction, Inc. for said project, in the amount of $858,896.90.

2) That the City Council hereby accepts the project and authorizes the Mayor or City Administrator to sign the release for this payment.

3) That the total amount of this payment is not included in resolutions approving payment of bills for the date of September 26, 2023.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____ and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Contractor's Application For Payment No. 03

	Application Period: 8/3/2023 - 8/30/2023	Application Date: 8/30/2023
To (Owner): City of Ramsey, MN	From (Contractor): Magney Construction, Inc.	Via (Engineer): Advanced Engineering and Environmental Services, Inc.
Project: Ramsey Water Treatment Plant	Contract: All Construction	
Owner's Contract No.:	Contractor's Project No.: 00599	Engineer's Project No.: 05434-2020-002

Application for Payment

Change Order Summary

Approved Change Orders

Number	Additions	Deductions
TOTALS	$0.00	$0.00
NET CHANGE BY CHANGE ORDERS		$0.00

1.	**ORIGINAL CONTRACT PRICE**		$31,528,500.00
2.	**Net change by Change Orders**		$0.00
3.	**CURRENT CONTRACT PRICE (Line 1 ± 2)**		$31,528,500.00
4.	**TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate)**		$2,465,794.00
5.	**RETAINAGE:**		
a.	**5.0%** **$2,421,033.00**	**Work Completed**	$121,051.65
b.	**5% x** **$44,761.00**	**Stored Materials**	$2,238.05
c.	**Total Retainage (Line 5a + Line 5b)**		$123,289.70
6.	**AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)**		$2,342,504.30
7.	**LESS PREVIOUS PAYMENTS (Line 6 from prior Application)**		$1,483,607.40
8.	**AMOUNT DUE THIS APPLICATION**		**$858,896.90**
9.	**BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above)**		$29,185,995.70

Contractor's Certification

The undersigned Contractor certifies that: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By:	Date:
Ken K	8/30/2023

Payment of: $858,896.90
(Line 8 or other - attach explanation of other amount)

is recommended by: RYAN HANSON (Engineer) AE2S — 9/7/2023 (Date)

Payment of: $858,896.90
(Line 8 or other - attach explanation of other amount)

is approved by: Bruce Weddy (City of Ramsey, MN) — 9/15/2023 (Date)

Approved by: _____ (Funding Agency (if applicable)) — _____ (Date)

EJCDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Schedule of Values

Ramsey Water Treatment Plant

Payment Application No. 03

Date of Application: 8/30/2023

Work completed through: 8/30/2023

Item			C	D	E	Total Completed and Stored to Date (C + D + E)	% (G)	Balance to Finish
Specification Section No.	Description	Scheduled Value	From Previous Application (C+D)	This Period	Materials Presently Stored (not in Col D)			
01 10 00	Mobilization	$1,250,424.00	$130,000.00	$60,000.00	$0.00	$190,000.00	15	$1,060,424.00
01 10 01	General Conditions	$268,800.00	$22,400.00	$10,200.00	$0.00	$32,600.00	12	$236,200.00
01 10 02	Supervision	$384,000.00	$32,000.00	$16,000.00	$0.00	$48,000.00	13	$336,000.00
01 10 03	Bond & Insurance	$425,600.00	$425,600.00	$0.00	$0.00	$425,600.00	100	$0.00
01 21 00	ALLOWANCES							
1	Office Furniture ($50,000)	$50,000.00	$0.00	$0.00	$0.00	$0.00	0	$50,000.00
2	Computer Hardware ($80,000)	$80,000.00	$0.00	$0.00	$0.00	$0.00	0	$80,000.00
3	IT Equipment ($100,000)	$100,000.00	$0.00	$0.00	$0.00	$0.00	0	$100,000.00
4	Security and Access Control Hardware and Equipment ($60,000)	$60,000.00	$0.00	$0.00	$0.00	$0.00	0	$60,000.00
5	Irrigation System ($60,000)	$60,000.00	$0.00	$0.00	$0.00	$0.00	0	$60,000.00
6	General Construction Allowance (950,000)	$950,000.00	$0.00	$0.00	$0.00	$0.00	0	$950,000.00
03 20 00	Concrete Reinforcement - Building	$1,602,777.00	$79,143.00	$0.00	$17,358.00	$96,501.00	6	$1,506,276.00
03 20 00	Concrete Reinforcement - Reservoir	$864,856.00	$343,439.00	$115,656.00	$27,403.00	$486,498.00	56	$378,358.00
03 30 00	Cast-in-Place Concrete Work - Site	$108,600.00	$0.00	$0.00	$0.00	$0.00	0	$108,600.00
03 30 00	Cast-in-Place Concrete Work - Building	$3,885,960.00	$6,154.00	$0.00	$0.00	$6,154.00	0	$3,879,806.00
03 30 00	Cast-in-Place Concrete Work - Reservoir	$1,410,075.00	$16,991.00	$630,500.00	$0.00	$647,491.00	46	$762,584.00
03 35 30	Polished Concrete Finish	$6,800.00	$0.00	$0.00	$0.00	$0.00	0	$6,800.00
03 41 00	Structural Precast Concrete	$1,042,796.00	$0.00	$0.00	$0.00	$0.00	0	$1,042,796.00
04 22 00	Unit Masonry	$269,000.00	$0.00	$0.00	$0.00	$0.00	0	$269,000.00
05 12 00	Structural Steel Framing, Misc. Metals, Metal Stairs and Aluminum Railing	$1,990,378.00	$0.00	$0.00	$0.00	$0.00	0	$1,990,378.00
06 00 00	Carpentry	$375,128.00	$0.00	$0.00	$0.00	$0.00	0	$375,128.00
06 73 00	Fiberglass Reinforced Plastic Grating	$353,707.00	$0.00	$0.00	$0.00	$0.00	0	$353,707.00
07 12 00	Fluid Applied Waterproofing	$124,650.00	$0.00	$0.00	$0.00	$0.00	0	$124,650.00
07 12 50	Hot Mopped Waterproofing	$7,420.00	$0.00	$0.00	$0.00	$0.00	0	$7,420.00
07 17 13	Bentonite Waterproofing	$78,130.00	$78,130.00	$0.00	$0.00	$78,130.00	100	$0.00
07 21 00	Thermal Insulation and Air Barriers	$15,600.00	$0.00	$0.00	$0.00	$0.00	0	$15,600.00
07 23 00	Weather Barrier	$39,800.00	$0.00	$0.00	$0.00	$0.00	0	$39,800.00
07 24 00	Exterior Insulation and Finish System	$67,955.00	$0.00	$0.00	$0.00	$0.00	0	$67,955.00
07 42 15	Architectural Metal Panels	$229,910.00	$0.00	$0.00	$0.00	$0.00	0	$229,910.00
07 50 10	Concrete Faced Insulated Panels	$15,000.00	$0.00	$0.00	$0.00	$0.00	0	$15,000.00
07 53 23	EPDM Roof System, Flashing & Sheet Metal	$589,225.00	$0.00	$0.00	$0.00	$0.00	0	$589,225.00
07 92 00	Caulking & Sealants	$37,465.00	$0.00	$0.00	$0.00	$0.00	0	$37,465.00
08 11 13	Doors, Frames & Hardware	$328,136.00	$0.00	$0.00	$0.00	$0.00	0	$328,136.00
08 31 15	Access Doors	$6,513.00	$0.00	$0.00	$0.00	$0.00	0	$6,513.00
08 35 13	Accordion Folding Fire Door	$65,683.00	$0.00	$0.00	$0.00	$0.00	0	$65,683.00

Schedule of Values

Ramsey Water Treatment Plant

Payment Application No. 03

Date of Application: 8/30/2023

Work completed through: 8/30/2023

Item			C	D	E	Total Completed and Stored to Date (C + D + E)	% (G)	Balance to Finish
Specification Section No.	Description	Scheduled Value	From Previous Application (C+D)	This Period	Materials Presently Stored (not in Col D)			
08 35 16	Heavy Duty Folding Door	$49,985.00	$0.00	$0.00	$0.00	$0.00	0	$49,985.00
08 36 00	Sectional Overhead Doors	$14,900.00	$0.00	$0.00	$0.00	$0.00	0	$14,900.00
08 41 13	Aluminum Framed Entrances and Storefronts/Curtainwall/Glazing	$254,163.00	$0.00	$0.00	$0.00	$0.00	0	$254,163.00
08 95 00	Translucent Wall Panels	$275,400.00	$0.00	$0.00	$0.00	$0.00	0	$275,400.00
09 20 00	Metal Framing and Gypsum Board	$190,345.00	$0.00	$0.00	$0.00	$0.00	0	$190,345.00
09 30 00	Tiling	$8,195.00	$0.00	$0.00	$0.00	$0.00	0	$8,195.00
09 51 00	Acoustical Ceilings	$47,000.00	$0.00	$0.00	$0.00	$0.00	0	$47,000.00
09 65 13	Resilient Base and Accessories	$3,000.00	$0.00	$0.00	$0.00	$0.00	0	$3,000.00
09 68 13	Carpet Tile	$12,299.00	$0.00	$0.00	$0.00	$0.00	0	$12,299.00
09 90 00	Painting	$846,400.00	$0.00	$0.00	$0.00	$0.00	0	$846,400.00
10 14 16	Plaques/Dimensional Letter Signage and Panel Signage	$16,310.00	$0.00	$0.00	$0.00	$0.00	0	$16,310.00
10 28 00	Toilet Accessories	$708.00	$0.00	$0.00	$0.00	$0.00	0	$708.00
10 44 16	Fire Extinguishers	$1,656.00	$0.00	$0.00	$0.00	$0.00	0	$1,656.00
12 24 13	Roller Window Shades	$1,500.00	$0.00	$0.00	$0.00	$0.00	0	$1,500.00
12 35 30	Architectural Casework	$51,850.00	$0.00	$0.00	$0.00	$0.00	0	$51,850.00
12 35 35	Solid Polymer Fabrications	$15,000.00	$0.00	$0.00	$0.00	$0.00	0	$15,000.00
21 13 13	Wet Pipe Sprinkler System	$65,835.00	$0.00	$0.00	$0.00	$0.00	0	$65,835.00
22 00 00	Plumbing Install, Rough-in & Finish - Labor	$76,500.00	$0.00	$0.00	$0.00	$0.00	0	$76,500.00
22 00 01	Plumbing Pipe, Fittings & Fixtures - Material	$270,000.00	$0.00	$0.00	$0.00	$0.00	0	$270,000.00
22 07 00	Plumbing Insulation	$49,670.00	$0.00	$0.00	$0.00	$0.00	0	$49,670.00
23 00 00	HVAC General Conditions, Permits & Mobilization	$15,200.00	$0.00	$0.00	$0.00	$0.00	0	$15,200.00
23 00 00.01	Testing, Adjusting & Balancing	$5,900.00	$0.00	$0.00	$0.00	$0.00	0	$5,900.00
23 00 00.02	Ductwork Insulation	$29,400.00	$0.00	$0.00	$0.00	$0.00	0	$29,400.00
23 00 00.03	HVAC Controls	$76,000.00	$0.00	$0.00	$0.00	$0.00	0	$76,000.00
23 00 00.04	Refrigerant Piping - Labor	$10,400.00	$0.00	$0.00	$0.00	$0.00	0	$10,400.00
23 00 00.05	Refrigerant Piping - Material	$2,800.00	$0.00	$0.00	$0.00	$0.00	0	$2,800.00
23 00 00.06	Ductwork - Labor	$70,900.00	$0.00	$0.00	$0.00	$0.00	0	$70,900.00
23 00 00.07	Ductwork - Material	$65,100.00	$0.00	$0.00	$0.00	$0.00	0	$65,100.00
23 00 00.08	Louvers and Dampers - Labor	$8,100.00	$0.00	$0.00	$0.00	$0.00	0	$8,100.00
23 00 00.09	Louvers and Dampers - Material	$12,500.00	$0.00	$0.00	$0.00	$0.00	0	$12,500.00
23 00 00.10	VAV and GRD - Labor	$6,800.00	$0.00	$0.00	$0.00	$0.00	0	$6,800.00
23 00 00.11	VAV and GRD - Material	$7,600.00	$0.00	$0.00	$0.00	$0.00	0	$7,600.00
23 00 00.12	HVAC Fans - Labor	$13,800.00	$0.00	$0.00	$0.00	$0.00	0	$13,800.00
23 00 00.13	HVAC Fans - Material	$39,600.00	$0.00	$0.00	$0.00	$0.00	0	$39,600.00
23 00 00.14	Gas Unit Heaters - Labor	$14,000.00	$0.00	$0.00	$0.00	$0.00	0	$14,000.00
23 00 00.15	Gas Unit Heaters - Material	$16,200.00	$0.00	$0.00	$0.00	$0.00	0	$16,200.00

Schedule of Values

Ramsey Water Treatment Plant

Payment Application No. 03

Date of Application: 8/30/2023

Work completed through: 8/30/2023

Item			C	D	E	Total Completed and Stored to Date (C + D + E)	% (G)	Balance to Finish
Specification Section No.	Description	Scheduled Value	From Previous Application (C+D)	This Period	Materials Presently Stored (not in Col D)			
23 00 00.16	Make-Up Air Units - Labor	$5,600.00	$0.00	$0.00	$0.00	$0.00	0	$5,600.00
23 00 00.17	Make-Up Air Units - Material	$76,000.00	$0.00	$0.00	$0.00	$0.00	0	$76,000.00
23 00 00.18	Roof Top Units - Labor	$1,400.00	$0.00	$0.00	$0.00	$0.00	0	$1,400.00
23 00 00.19	Roof Top Units - Material	$50,200.00	$0.00	$0.00	$0.00	$0.00	0	$50,200.00
23 00 00.20	Split System A/C Unit - Labor	$3,000.00	$0.00	$0.00	$0.00	$0.00	0	$3,000.00
23 00 00.21	Split System A/C Unit - Material	$56,400.00	$0.00	$0.00	$0.00	$0.00	0	$56,400.00
23 00 00.22	Dehumidification Units - Labor	$3,500.00	$0.00	$0.00	$0.00	$0.00	0	$3,500.00
23 00 00.23	Dehumidification Units - Material	$37,500.00	$0.00	$0.00	$0.00	$0.00	0	$37,500.00
26 00 00	Electrical Mobilization & Permit	$10,000.00	$0.00	$0.00	$0.00	$0.00	0	$10,000.00
26 00 01	Temporary Power	$30,000.00	$11,000.00	$0.00	$0.00	$11,000.00	37	$19,000.00
26 05 19	Conductors	$222,000.00	$2,600.00	$0.00	$0.00	$2,600.00	1	$219,400.00
26 05 26	Grounding and Bonding	$10,000.00	$0.00	$0.00	$0.00	$0.00	0	$10,000.00
26 05 29	Hangers and Supports	$20,000.00	$0.00	$0.00	$0.00	$0.00	0	$20,000.00
26 05 33	Raceways and Boxes	$336,600.00	$0.00	$0.00	$0.00	$0.00	0	$336,600.00
26 22 13	Transformers	$20,000.00	$0.00	$0.00	$0.00	$0.00	0	$20,000.00
26 23 00	Electric Heat	$40,000.00	$0.00	$0.00	$0.00	$0.00	0	$40,000.00
26 24 11	Electrical Service	$30,000.00	$0.00	$0.00	$0.00	$0.00	0	$30,000.00
26 24 13	Switchboards	$30,000.00	$0.00	$0.00	$0.00	$0.00	0	$30,000.00
26 24 15	Transfer Switches	$30,000.00	$0.00	$0.00	$0.00	$0.00	0	$30,000.00
26 24 16	Panelboards	$30,000.00	$0.00	$0.00	$0.00	$0.00	0	$30,000.00
26 24 19	Motor Controls	$30,000.00	$0.00	$0.00	$0.00	$0.00	0	$30,000.00
26 27 26	Wiring Devices	$30,000.00	$0.00	$0.00	$0.00	$0.00	0	$30,000.00
26 28 16	Enclosed Switches	$20,000.00	$0.00	$0.00	$0.00	$0.00	0	$20,000.00
26 32 13	Engine Generators	$420,400.00	$0.00	$0.00	$0.00	$0.00	0	$420,400.00
26 51 00	Lighting	$150,000.00	$0.00	$0.00	$0.00	$0.00	0	$150,000.00
26 90 01	Measuring and Control Instruments/Water Treatment Controls/I & C	$1,506,000.00	$0.00	$0.00	$0.00	$0.00	0	$1,506,000.00
28 31 00	Fire Alarm	$50,000.00	$0.00	$0.00	$0.00	$0.00	0	$50,000.00
27 00 00	Cabling	$25,000.00	$0.00	$0.00	$0.00	$0.00	0	$25,000.00
31 10 00	Site Clearing/ Site Prep/ Erosion Control	$94,700.00	$74,940.00	$0.00	$0.00	$74,940.00	79	$19,760.00
31 20 00	Earth Moving - Excavation	$242,600.00	$142,870.00	$0.00	$0.00	$142,870.00	59	$99,730.00
31 20 01	Earth Moving - Backfill	$267,800.00	$0.00	$0.00	$0.00	$0.00	0	$267,800.00
31 20 02	Finish Grading	$69,900.00	$0.00	$0.00	$0.00	$0.00	0	$69,900.00
31 23 19	Dewatering	$35,900.00	$24,080.00	$3,700.00	$0.00	$27,780.00	77	$8,120.00
32 12 16	Asphalt Paving	$183,097.00	$0.00	$0.00	$0.00	$0.00	0	$183,097.00
32 13 13	Concrete Paving	$59,400.00	$0.00	$0.00	$0.00	$0.00	0	$59,400.00
32 17 13	Plastic Bollard Covers	$1,700.00	$0.00	$0.00	$0.00	$0.00	0	$1,700.00

Schedule of Values

Ramsey Water Treatment Plant

Payment Application No. 03

Date of Application: 8/30/2023

Work completed through: 8/30/2023

Item			C	D	E	Total Completed and Stored to Date (C + D + E)	% (G)	Balance to Finish
Specification Section No.	Description	Scheduled Value	From Previous Application (C+D)	This Period	Materials Presently Stored (not in Col D)			
32 31 13	Chain Link Fencing, Gates and Equipment	$207,654.00	$0.00	$0.00	$0.00	$0.00	0	$207,654.00
32 92 00	Turfs and Grasses	$63,500.00	$0.00	$0.00	$0.00	$0.00	0	$63,500.00
32 93 00	Plants	$50,000.00	$0.00	$0.00	$0.00	$0.00	0	$50,000.00
33 11 13	Facility Water Distribution Systems	$727,300.00	$34,570.00	$23,285.00	$0.00	$57,855.00	8	$669,445.01
33 13 13	Facility Sanitary Sewer Systems	$87,800.00	$0.00	$0.00	$0.00	$0.00	0	$87,800.00
33 41 00	Storm Utility Drainage	$124,600.00	$0.00	$0.00	$0.00	$0.00	0	$124,600.00
33 46 00	Subdrainage	$61,400.00	$0.00	$0.00	$0.00	$0.00	0	$61,400.00
40 23 19	Process Pipe & Fittings	$2,202,644.00	$62,408.00	$0.00	$0.00	$62,408.00	3	$2,140,236.00
40 27 87	Process Pipe Supports, Anchors and Sleeves	$139,344.00	$75,367.00	$0.00	$0.00	$75,367.00	54	$63,977.00
40 27 89	Process Pipe Specialties	$51,300.00	$0.00	$0.00	$0.00	$0.00	0	$51,300.00
40 27 97	Process Gauges	$5,327.00	$0.00	$0.00	$0.00	$0.00	0	$5,327.00
40 92 00	Process Valves - Plug, Butterfly, Air and Check	$655,400.00	$0.00	$0.00	$0.00	$0.00	0	$655,400.00
40 92 01	Process Valves - Pressure Reducing Valves	$149,439.00	$0.00	$0.00	$0.00	$0.00	0	$149,439.00
41 23 14	Overhead Crane Systems	$131,775.00	$0.00	$0.00	$0.00	$0.00	0	$131,775.00
43 05 10	Disinfection of Water Systems	$24,000.00	$0.00	$0.00	$0.00	$0.00	0	$24,000.00
43 11 16	Gas Handling Blowers	$107,240.00	$0.00	$0.00	$0.00	$0.00	0	$107,240.00
43 23 22	Split Case Pumps	$281,247.00	$0.00	$0.00	$0.00	$0.00	0	$281,247.00
43 32 76	Chlorine Gas Feed Equipment	$129,661.00	$0.00	$0.00	$0.00	$0.00	0	$129,661.00
43 32 77	Chemical Feed System Pumps	$94,650.00	$0.00	$0.00	$0.00	$0.00	0	$94,650.00
43 32 78	Chemical Feed System Accessories	$82,275.00	$0.00	$0.00	$0.00	$0.00	0	$82,275.00
44 42 24	Plate Settlers	$868,280.00	$0.00	$0.00	$0.00	$0.00	0	$868,280.00
46 33 20	Liquid Chemical Storage Tanks	$94,360.00	$0.00	$0.00	$0.00	$0.00	0	$94,360.00
46 33 33	Polymer Blending and Feed Equipment	$26,940.00	$0.00	$0.00	$0.00	$0.00	0	$26,940.00
46 43 47	Jet Mixing System	$159,793.00	$0.00	$0.00	$0.00	$0.00	0	$159,793.00
46 61 00	Filtration Equipment	$984,470.00	$0.00	$0.00	$0.00	$0.00	0	$984,470.00
	Totals	$31,528,500.00	$1,561,692.00	$859,341.00	$44,761.00	$2,465,794.00	7.8%	$29,062,706.00

Payment Application # 3 -
Stored Materials 03 20 00

Rebarfab inc.

REINFORCING BAR FABRICATORS

Invoice

Plant: 720 First Street Southwest
Mailing: P.O. Box 120267
New Brighton, MN 55112-0015

Phone: (651) 633-3337
Fax: (651) 633-2332

RECEIVED
AUG 07 2023
BY:

Invoice No / Date:	023-6472	8/1/2023
Bill of Lading No / Date:	1130324	8/2/2023
Sales Order No:	6131152	
Customer:	MAGCON	
Job:	23067	
Salesperson:		
Contact:		
Phone:		

Sold To

CITY of RAMSEY. MN
c/o MAGNEY CONSTRUCTION. INC.
- PURCHASING AGENT -
1401 PARK ROAD
CHANHASSEN. MN 55317 USA

Ship To

Ramsey Water Treatment Plant
6900 143rd Ave. NW
* 48 Hour Deliv. Notice Req'd. *
Rob Thielen 320.248.5755
RAMSEY. MN 55303 USA

Customer P.O.	Ship Via	F.O.B.	Terms
599-03200	Our Truck	Jobsite/PREPAID	NET 30 DAYS

Item	Description	Qty Shipped	Price	Amount
RB	Reinforcing Steel Per Release CC Q27, Release 10, Drawing R1.4, NORTH BLDG STRIP FTG/ FDN Black Rebar	9,615 lbs		7,021.00
RB	Reinforcing Steel Per Release CC Q2A, Release 11, Drawing R2, SHORTAGE PER ROB Black Rebar	4,170 lbs		3,045.00
RB	Reinforcing Steel Per Release CC Q2D, Release 12, Drawing R2, BASE SLAB PIPE TRIM Black Rebar	1,614 lbs		1,179.00
RB	Reinforcing Steel Per Release CC Q2E, Release 13, Drawing R2.1-R2.2, RESERVOIR PARTIAL W3-W6 Black Rebar	33,364 lbs		24,362.00

Total Weight: 48,763 Lbs

Subtotal	35,607.00
Freight	0.00
ANO-.25% 89.02, MN-6.875% 2447.98 Tax	2,537.00
Payment/Credit Amount	0.00
Balance	38,144.00

NO RETAINAGE ALLOWED
NET 30 DAYS

PLEASE PAY FROM THIS INVOICE
NO STATEMENT WILL BE SENT

Payment Application # 3 -
Stored Materials 03 20 00

Rebarfab inc.

REINFORCING BAR FABRICATORS

Invoice

Plant: 720 First Street Southwest
Mailing: P.O. Box 120267
New Brighton, MN 55112-0015

Phone: (651) 633-3337
Fax: (651) 633-2332

RECEIVED
AUG 21 2023
BY:

Invoice No / Date:	023-6612	8/15/2023
Bill of Lading No / Date:	1130479	8/15/2023
Sales Order No:	6131319	
Customer:	MAGCON	
Job:	23067	
Salesperson:		
Contact:		
Phone:		

Sold To

CITY of RAMSEY. MN
c/o MAGNEY CONSTRUCTION. INC.
- PURCHASING AGENT -
1401 PARK ROAD
CHANHASSEN. MN 55317 USA

Ship To

Ramsey Water Treatment Plant
6900 143rd Ave. NW
Rob Thielen 320.248.5755
RAMSEY. MN 55303 USA

Customer P.O.	Ship Via	F.O.B.	Terms
599-03200	Our Truck	Jobsite/PREPAID	NET 30 DAYS

Item	Description	Qty Shipped	Price	Amount
Reinforcing Steel Per Release CC Q8Q, Release 14, Drawing R2.1-R2.2, RMNG RESERVOIR WALLS				
RB	Black Rebar	37,379 lbs		27,294.00
SB734	L.F. SB 3/4" ALL PLASTIC	285 LF		19.00
Reinforcing Steel Per Release CC Q8R, Release 15, Drawing R1, PARTIAL 86-00 BLDG SLAB				
RB	Black Rebar	9,068 lbs		6,621.00

Total Weight: 46,473 Lbs

	Subtotal	33,934.00
	Freight	0.00
ANO-.25% 84.83, MN-6.875% 2332.96	Tax	2,417.80
	Payment/Credit Amount	0.00
	Balance	36,351.80

NO RETAINAGE ALLOWED
NET 30 DAYS

PLEASE PAY FROM THIS INVOICE
NO STATEMENT WILL BE SENT

Rebarfab inc. AUG 15 2023

REINFORCING BAR FABRICATORS

Bill of Lading

Please Deliver Tues 8/15

Plant: 720 First Street Southwest
Mailing: P.O. Box 120267
New Brighton, MN 55112-0015

Phone: (651) 633-3337
Fax: (651) 633-2332

Bill of Lading No: 1130479
Ship Date: 08/15/202

SHIP TO
MAGNEY CONSTRUCTION, INC.
Ramsey Water Treatment Plant
6900 143rd Ave. NW
* 48 Hour Deliv. Notice Req'd. *
Rob Thielen 320.248.5755
RAMSEY, MN 55303 USA

Customer: MAGCON
Job Number: 23067
Ship Via: Our Truck
F.O.B.: Jobsite/PREPAID
Customer P.O.: 599-03200
Contact:
Phone:

Quantity Ordered	Quantity This Ship	UM	Description	Weight Lbs
SO #6131319				
			Reinforcing Steel Per Release CC Q8Q, Release 14, Drawing R2.1-R2.2, RMNG RESERVOIR WALLS	
37,379	37,379	lbs	Black Rebar	37,379
285	285	LF	L.F. SB 3/4" ALL PLASTIC	26
			Reinforcing Steel Per Release CC Q8R, Release 15, Drawing R1, PARTIAL 86-00 BLDG SLAB	
9,068	9,068	lbs	Black Rebar	9,068
			BATCH #88251	
			CONTACT: ROB 320-248-5755	
			Total Weight:	46,473

Prints req'd: Y or N Detailer: MW

PRINTS

Special Instructions:
Requested Delivery Date: 8/15/2023

T-5149

Note: To obtain allowance for shortage or damage, customer must advise shipper within 5 days of receipt of material. Customer has absolutely no permission to refabricate material which will result in a back-charge to shipper without written consent of shipper.

RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and conditions of contents of package unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination , if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by

Rebarfab, Inc.
720 First Street Southwest
PO Box 120267
NEW BRIGHTON, MN 55112-
Phone: (651) 633-3337 FAX: (651) 633-2332

JOB NUMBER	RELEASE NUMBER	REQ. DELIVERY DATE	PAGE
23067	15		1 of 1

JOB NAME	CC
Ramsey Water Treatment Plant	Q8R

CUSTOMER	BY
MAGNEY CONSTRUCTION, INC.	NJW

MATERIAL TYPE	REFERENCE	DRAWING ID	DESCRIPTION
Rebar, Grade 60, Black	CONTRACT	R1	PARTIAL 86-00 BLDG SLAB

Itm	Qty	Size	Length	Mark	Shape	Lbs	A	B	C	D	E	F/R	G	H	J	K	O	BC
1	15	9	30-00			1530												0
2	76	9	29-02			7538												0
	91.					9068.												

*** MILL TEST REPORTS REQUIRED! ***

WEIGHT SUMMARY

SIZE	TOTAL ITEMS	TOTAL PIECES	TOTAL LBS	STRAIGHT ITEMS	STRAIGHT PIECES	STRAIGHT LBS	LIGHT BENDING ITEMS	LIGHT BENDING PIECES	LIGHT BENDING LBS	HEAVY BENDING ITEMS	HEAVY BENDING PIECES	HEAVY BENDING LBS
Rebar, Grade 60, Black												
9	2	91	9,068	2	91	9,068	0	0	0	0	0	0
	2	91	9,068	2	91	9,068	0	0	0	0	0	0

Total Weight: 9,068 Lbs

Longest Length: 30-00

Rebarfab, Inc. 720 First Street Southwest PO Box 120267 NEW BRIGHTON, MN 55112- Phone: (651) 633-3337 FAX: (651) 633-2332	JOB NUMBER 23067	RELEASE NUMBER 14	REQ. DELIVERY DATE	PAGE 1 of 1
	JOB NAME Ramsey Water Treatment Plant			CC Q8Q
	CUSTOMER MAGNEY CONSTRUCTION, INC.			BY NJW

MATERIAL TYPE	REFERENCE	DRAWING ID	DESCRIPTION
Rebar, Grade 60, Black	CONTRACT	R2.1-R2.2	RMNG RESERVOIR WALLS

*** MILL TEST REPORTS REQUIRED! ***

Itm	Qty	Size	Length	Mark	Shape	Lbs	A	B	C	D	E	F/R	G	H	J	K	O	BC
1	636	6	6-06	6N4	17	6209		3-05	3-01									H04
2	636	6	14-10			14167												0
	1272.					20376.												
3	38	5	18-04	5N11	17	726		3-05	14-11									H03
4	76	5	8-04	5N9	17	660		3-05	4-11									H03
5	19	5	8-02	5N10	17	162		4-07	3-07									H03
6	114	5	43-05			5163												0
7	76	5	41-03			3270												0
8	38	5	39-02			1552												0
9	76	5	37-10			2999												0
10	76	5	30-00			2378												0
	513.					16910.												
11	114	3	2-02	3N8	17	93		0-06	1-022	0-06								C03
	114.					93.												

Miscellaneous Items

SB734	L.F. SB 3/4" ALL PLASTIC			285	LF	26 Lbs	

WEIGHT SUMMARY

SIZE	TOTAL ITEMS	TOTAL PIECES	TOTAL LBS	STRAIGHT ITEMS	STRAIGHT PIECES	STRAIGHT LBS	LIGHT BENDING ITEMS	LIGHT BENDING PIECES	LIGHT BENDING LBS	HEAVY BENDING ITEMS	HEAVY BENDING PIECES	HEAVY BENDING LBS
Rebar, Grade 60, Black												
3	1	114	93	0	0	0	1	114	93	0	0	0
5	8	513	16,910	5	380	15,362	0	0	0	3	133	1,548
6	2	1272	20,376	1	636	14,167	0	0	0	1	636	6,209
	11	1899	37,379	6	1016	29,529	1	114	93	4	769	7,757

MISCELLANEOUS PRODUCT SUMMARY

SB734	L.F. SB 3/4" ALL PLASTIC	285 LF	26 Lbs
Sub-Total			26 Lbs

Total Weight: 37,405 Lbs

Longest Length: 43-05

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NUCOR®

Mill Certification

06/24/2023

MTR#:1401486-4
Lot #:970002471320
500 REBAR ROAD
SEDALIA, MO 65301 US
660 951-1679
Fax: 660 951-1698

Sold To: REBARFAB
PO BOX 120267
NEW BRIGHTON, MN 55112 US

Ship To: REBARFAB
720 1ST ST SW
MNNR IS DELIVERY CARRIER
NEW BRIGHTON, MN 55112 US

Customer PO	11789	Sales Order #	97009286 - 4.5
Product Group	Rebar	Product #	2110277
Grade	A615 Gr 60/AASHTO M31	Lot #	970002471320
Size	#6	Heat #	9700024713
BOL #	BOL-1462500	Load #	1401486
Description	Rebar #6/19mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	
Production Date	06/23/2023	Qty Shipped LBS	24333
Product Country Of Origin	United States	Qty Shipped EA	270
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States — Melting Date: 06/23/2023

	C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)
	0.27	1.01	0.011	0.026	0.137	0.13	0.18	0.04	0.006	0.002

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	76200	96800	13.7

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.046	Pass

Comments:

1. All manufacturing processes of the steel materials in this product, including melting, casting and rolling were performed in the USA.
2. Mercury, Radium, Hexavalent Chrome or Alpha source materials in any form have not been used in the production and testing of this material.
3. Weld repair was not performed on this material.
4. All spooled and straight rebar products produced by Nucor Steel Sedalia, LLC are compliant with the Buy American Act, and meet the requirements of Federal Highway Administration 23 U.S.C. § 313 – Buy America; 23 C.F.R. § 635.410 and the Buy America restrictions of the Federal Transit Administration (49 U.S.C. § 5323(j)). Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs.

C Maharaj

Candace Maharaj, Quality Supervisor

NUCOR®

Mill Certification

06/03/2023

MTR#:1394461-5
Lot #:970002429320
500 REBAR ROAD
SEDALIA, MO 65301 US
660 951-1679
Fax: 660 951-1698

Sold To: REBARFAB
PO BOX 120267
NEW BRIGHTON, MN 55112 US

Ship To: REBARFAB
720 1ST ST SW
MNNR IS DELIVERY CARRIER
NEW BRIGHTON, MN 55112 US

Customer PO	11789	Sales Order #	97009286 - 5.7
Product Group	Rebar	Product #	3019447
Grade	A615 Gr 60/AASHTO M31	Lot #	970002429320
Size	#5	Heat #	9700024293
BOL #	BOL-1444569	Load #	1394461
Description	Rebar #5/16mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	
Production Date	06/02/2023	Qty Shipped LBS	56070
Product Country Of Origin	United States	Qty Shipped EA	896
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States — Melting Date: 06/02/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)
0.25	0.79	0.003	0.015	0.220	0.15	0.12	0.04	0.004	0.001

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	76000	91900	15.7

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.041	Pass

Comments:

1. All manufacturing processes of the steel materials in this product, including melting, casting and rolling were performed in the USA.
2. Mercury, Radium, Hexavalent Chrome or Alpha source materials in any form have not been used in the production and testing of this material.
3. Weld repair was not performed on this material.
4. All spooled and straight rebar products produced by Nucor Steel Sedalia, LLC are compliant with the Buy American Act, and meet the requirements of Federal Highway Administration 23 U.S.C. § 313 – Buy America; 23 C.F.R. § 635.410 and the Buy America restrictions of the Federal Transit Administration (49 U.S.C. § 5323(j)). Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs.

CMaharaj

Candace Maharaj, Quality Supervisor

EVRAZ ROCKY MOUNTAIN STEEL
A DIVISION OF EVRAZ INC. NA

2100 S. Freeway
Pueblo, CO 81004 USA

MATERIAL TEST REPORT

Date Printed: 25-FEB-23

Certificate ID: 55133

Date Shipped: 25-FEB-23 **Product:** DEF #3 (3/8") **Specification:** ASTM A706/A615 GR 60

FWIP: 52815354 **Customer:** REBARFAB INC **Cust. PO:** 11777

PO BOX 120267
NEW BRIGHTON, MN 55112-0015

CHEMICAL ANALYSIS (In Weight %, uncertainty of measurement 0.005%)

(Heat chemistry entered 08/26/22)

Heat Number	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al	V	B	Cb	Sn	N	Ti	Co
114386	0.27	1.24	0.010	0.013	0.26	0.24	0.10	0.10	0.025	0.003	0.045	0.0000	0.000	0.013	0.0080	0.000	

Carbon Equivalent = 0.493

MECHANICAL PROPERTIES (ROLLED & TESTED ON 11/15/22)

Heat Number	Sample No.		Yield (Psi)	Ultimate (Psi)	Elongation (%)	Reduction (%)	Bend	Wt/ft
114386	01		73688	103140	15.1		OK	0.378
		(MPa)	508.1	711.1				
114386	02		75851	100550	14.5		OK	0.380
		(MPa)	523.0	693.3				

All melting and manufacturing processes of the material subject to this test certificate occurred in the United States of America. ERMS also certifies this material to be free from Mercury contamination.

This material has been produced, tested and conforms to the requirements of the applicable specifications. We hereby certify that the above test results represent those contained in the records of the Company.

Methods used: ASTM A370, A510, A615, A706.

Material test report shall not be reproduced except in full, without approval of the company.

Jon Ball
General Supervisor of Quality

NUCOR®

Mill Certification

05/16/2023

MTR#:1337464-2
Lot #:970002385020
500 REBAR ROAD
SEDALIA, MO 65301 US
660 951-1679
Fax: 660 951-1698

Sold To: REBARFAB
PO BOX 120267
NEW BRIGHTON, MN 55112 US

Ship To: REBARFAB
720 1ST ST SW
MNNR IS DELIVERY CARRIER
NEW BRIGHTON, MN 55112 US

Customer PO	11789	Sales Order #	97009286 - 1.5
Product Group	Rebar	Product #	2027208
Grade	A615 Gr 60/AASHTO M31	Lot #	970002385020
Size	#9	Heat #	9700023850
BOL #	BOL-1429635	Load #	1337464
Description	Rebar #9/29mm A615 Gr 60/AASHTO M31 60' 0" [720"] 6001-10000 lbs	Customer Part #	
Production Date	05/14/2023	Qty Shipped LBS	89760
Product Country Of Origin	United States	Qty Shipped EA	440
Original Item Description		Original Item Number	

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States — Melting Date: 05/14/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)
0.31	0.93	0.010	0.021	0.205	0.14	0.19	0.05	0.006	0.003

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	77600	101100	13.0

Mechanical

	Average Deformation Height (IN)	Bend Test
(1)	0.065	Pass

Comments:

1. All manufacturing processes of the steel materials in this product, including melting, casting and rolling were performed in the USA.
2. Mercury, Radium, Hexavalent Chrome or Alpha source materials in any form have not been used in the production and testing of this material.
3. Weld repair was not performed on this material.
4. All spooled and straight rebar products produced by Nucor Steel Sedalia, LLC are compliant with the Buy American Act, and meet the requirements of Federal Highway Administration 23 U.S.C. § 313 – Buy America; 23 C.F.R. § 635.410 and the Buy America restrictions of the Federal Transit Administration (49 U.S.C. § 5323(j)). Material and Mill Certification are in full compliance with the American Iron and Steel requirement as mandated in EPA's State Revolving Fund Programs.

CMaharaj

Candace Maharaj, Quality Supervisor

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title

Adopt Resolution #23-233 Proclaiming October 2023 Domestic Violence Awareness Month

Purpose/Background:

Purpose: To adopt a resolution showing the City of Ramsey's support in proclaiming Domestic Violence Awareness Month.

Background: A request was received from the Alexandra House to formally recognize October as Domestic Violence Awareness Month. A request for Domestic Violence Awareness was also received from the Purple Lights initiative. Each year, throughout Anoka Country, October is officially recognized as Domestic Violence Awareness Month. Counties and cities all over the United States take this opportunity to honor this month through an official proclamation. In choosing to locally proclaim October as Domestic Violence Awareness Month, the City of Ramsey shows its recognition of both the gravity of the problem and the importance of the ongoing work to create a violence-free community in Anoka County. Council has adopted such resolution in the past, and staff is requesting Council do so for 2023 as well. The proclamation will add to the chorus of voices insisting that women, men, and children all have a right to seek peace and safety in their lives.

The City will be lighting portions of the City Municipal Center with purple lights to help raise awareness of October as Domestic Violence Awareness Month.

A representative from Alexandra House will be attending the meeting to share a brief presentation about Domestic Violence Awareness Month and answer any questions.

A copy of Ramsey's proclamation will be displayed at the Alexandra House and shared on social media.

Funding Source:

Not Applicable.

Recommendation:

Staff recommends Council adopt the resolution proclaiming October as Domestic Violence Awareness Month.

Action:

Motion to adopt Resolution #23-233 Proclaiming October 2023 Domestic Violence Awareness Month

Attachments

Resolution #23-233

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:12 AM

Form Started By: Katie Schmidt Started On: 09/19/2023 10:47 AM
Final Approval Date: 09/21/2023

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #23-233

RESOLUTION PROCLAIMING OCTOBER 2023 AS DOMESTIC VIOLENCE AWARENESS MONTH

WHEREAS, the community problem of domestic violence has become a critical public health and welfare concern in Anoka County; and

WHEREAS, domestic violence is a crime, the commission of which will not be tolerated in Anoka County and perpetrators of said crime are subject to prosecution and conviction in accordance with the law; and

WHEREAS, over thousands of women, men, and children have and will continue to access assistance from Alexandra House, Inc., a domestic violence service provider; and

WHEREAS, domestic violence will be eliminated through community partnerships of concerned individuals and organizations working together to prevent abuse while at the same time effecting social and legal change; and

WHEREAS, October is ***National Domestic Violence Awareness Month;*** and

WHEREAS, during ***National Domestic Violence Awareness Month,*** Anoka County organizations will inform area residents about domestic violence, its prevalence, consequences and what we, as a concerned community can do to eliminate its existence.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA:

1) That the City Council of the City of Ramsey proclaims October to be Domestic Violence Awareness Month.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember , and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Identify and implement operational efficiencies, cost savings and additional funding sources.

Information

Title

~~Adopt Resolution #23-234 to Enter into a Residential Recycling Program Agreement with Anoka County~~ - **Please Note**: this Consent case was moved to the regular agenda - Case 7.5.

Purpose/Background:

Each year, Anoka County receives funding from the State of Minnesota pursuant to Minnesota Statute § 115A.557. The County distributes these funds, known as SCORE (Select Committee On Recycling and the Environment) funds, to municipalities within the county. In 2024, the allocation includes a base of $10,000 plus $5.00 per household. Ramsey's base allocation for 2024 is up to $59,625. There are also additional grant funding categories that include: (1) Drop-off, (2) General Enhancement, (3) Organics, (4) Supplemental Funding (to help support waste abatement programs or program development), and (5) Labor and Staffing.

The funding is intended to help municipalities achieve their recycling goals as established by the Anoka County Board of Commissioners. Ramsey's 2024 recycling goal, established by Anoka County, is 3,100 tons. The goal is based on 225 pounds per person (single family households, up to four [4] units) and 150 pounds per person for multi-tenant households (five [5] or more units). The City of Ramsey has traditionally used these funds to promote recycling and waste reduction education and awareness, notifying new residents of the recycling program components, to offset costs of the spring and fall recycling day events and other collection events/opportunities, and to fund the recycling coordinator position, whose duties are a component of the Senior Planner position.

To receive the SCORE funding, each municipality must enter into an agreement with Anoka County that outlines required components of a municipality's recycling program. These required components include providing households with an opportunity to recycle at least four (4) broad types of materials, a public information program, recycling drop-off opportunities, and notifying new residents of the recycling program. Furthermore, municipalities are encouraged, but not required, to look at opportunities to expand their recycling program by offering additional drop-off events, enhancing recycling at community events, enhancing multi-family recycling opportunities, and/or developing opportunities for source separated organics collection.

Observations/Alternatives:

Ramsey's tonnage goal for 2024 is 3,100 tons, which represents an increase of 125 tons compared to the 2023 goal. The increase is not surprising. Since 2019, tonnage goals have generally increased year over year, with the exception of 2021 to 2022, when it remained static at 2,858 tons. The generally steady increase in tonnage goals over the past several years reflects the County's attempt to achieve the very optimistic benchmark goal, set by the state of Minnesota, of recycling 75% of total solid waste generated (by weight) by 2030.

There have been growing challenges related to recycling over the past several years. First, China implemented very restrictive thresholds for contaminants in bales of recycled materials, which significantly impacted exporting recyclables overseas. Secondly, the fluctuations in the recycling markets have also brought into question what is truly recyclable. At this time, items such as black plastic frozen dinner trays, freezer boxes, and fiber egg cartons, should not be put in the recycling cart as there is no longer a market for these materials (this is a change from past years).

Due to the day to day changes in the recycling world, there needs to be a greater emphasis on the basic tenets of recycling, which would be to focus on fiber (paper and cardboard), aluminum and steel/tin cans, glass, and plastic containers, tubs, bottles and lids that have a #1 or #2 stamped on them (essentially back to the basics of recycling).

Education continues to be important to avoid the 'wish-cycling' mentality. Wish-cycling is the thought (or hope) that by placing a material or product in the recycling cart, somebody will find a way to recycle it. This is leading to excessive contamination of the recycling stream. The recycling motto has now shifted to 'when in doubt, throw it out'.

Staff experimented with a 'curbside recycling event' for bulky items (e.g. appliances, electronics, mattresses) in July of 2023. This seemed to be well received by the community as ninety-five (95) households utilized the program this year. Staff does intend to offer this same style of event in 2024.

Alternatives

Alternative 1: Enter into the Residential Recycling Agreement to receive $69,350.00 in SCORE funds from Anoka County. The funds will assist the City with efforts to meet the 2024 tonnage goal established by Anoka County. Staff supports this alternative.

Alternative 2: Do not enter into the Residential Recycling Agreement with the County. By not executing this agreement with the County, the City would not receive any SCORE funding for 2024. A portion of the Senior Planner position is funded through this allocation (duties related to managing the recycling program), as are all recycling related activities, including the spring and fall recycling events. Staff does not support this option.

Funding Source:

Ramsey's recycling program and related staff time are funded with SCORE funds received from Anoka County annually and recorded under the Recycling Enterprise Fund.

Recommendation:

Staff recommends adopting Resolution #23-234 authorizing the Mayor and City Administrator, on behalf of the City, to sign the Agreement for Residential Recycling Program with Anoka County.

Action:

Motion to adopt Resolution #23-234 to enter into a Residential Recycling Agreement with Anoka County to receive SCORE funds for 2024.

Attachments

Recycling Agreement
Resolution #23-234

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:14 AM
Form Started By: Chris Anderson		Started On: 09/19/2023 01:07 PM
Final Approval Date: 09/21/2023		

DocuSign Envelope ID: E1227292-CABD-4035-9075-56C5CB154254

Anoka County
HUMAN SERVICES DIVISION
Community Social Services and Behavioral Health

September 14, 2023

City of Ramsey
Attn: Mark Kuzma
7550 Sunwood Drive NW
Ramsey, MN 55303

Dear Mr. Kuzma:

Enclosed is your 2024 contract with Anoka County. Please review the contract and complete the signature portion using DocuSign. If applicable and ready, please attach the necessary insurance information using the attachment link in the DocuSign document. If insurance is not ready and you will be sending this information at a later date, please send to:

Angela.Rodine@co.anoka.mn.us **or**

Angie Rodine
County of Anoka
2100 3rd Avenue, 5th Floor
Anoka, MN 55303

PLEASE NOTE: The following information is required as part of your contract. If the contract is signed and executed without receiving this information in a timely manner, it may be referred to the County Attorney's Office for possible Breach of Contract and/or payments may be withheld until information is received.

CERTIFICATE OF LIABILITY INSURANCE - Required
No insurance information is required for this contract.

CONTRACTOR INFORMATION SHEET - Required
Please update/complete and sign this page and return with your contract.

DocuSign will automatically forward a copy of the signed contract to you, once completed. If you have questions regarding the contract, please call your Contract Manager, Sue Doll, at 763-324-3482.

Sincerely,

Angie Rodine

Angie Rodine
Administrative Assistant, Planning and Operations Support Services

DocuSign Envelope ID: E1227292-CABD-4035-9075-56C5CB154254

Anoka County Contract # C0010120

2024 AGREEMENT FOR RESIDENTIAL RECYCLING PROGRAM

THIS AGREEMENT made and entered into on the 1st day of January 2024, notwithstanding the date of the signatures of the parties, between the COUNTY OF ANOKA, State of Minnesota, hereinafter referred to as the "COUNTY", and the CITY OF RAMSEY, hereinafter referred to as the "MUNICIPALITY".

WITNESSETH:

WHEREAS, the County will receive funding from the State of Minnesota pursuant to Minn. Stat. § 115A.557, the Select Committee on Recycling and the Environment (hereinafter "SCORE funds") during 2024 which must be used to encourage and improve recycling and a portion must be specifically directed to recycling source -separated compostable materials; and

WHEREAS, the County will also receive funding pursuant to Minn. Stat. § 473.8441, Local Recycling Development Grants (hereinafter "LRDG funds") during 2024; and

WHEREAS, the County also has additional budgeted program funding available to supplement SCORE and LRDG funds for solid waste recycling programs, so that the available amount for the Residential Recycling Program is $1,611,188.00; and

WHEREAS, the County Solid Waste Management Master Plan 2018 (Master Plan 2018) and the Minnesota Pollution Control Agency (hereinafter "MPCA") Metropolitan Solid Waste Management Policy Plan 2016-2036 state that MSW generated in the County that is not reused, recycled, or composted, will be processed to the extent that processing capacity is available; and

WHEREAS, the Master Plan 2018 was developed with the participation of a representative from the Municipality staff, and the Municipality is required to develop and implement programs, practices, or methods designed to meet waste abatement goals by Minn. Stat. § 115A.551, Subd 2a. (b).; and

WHEREAS, the County wishes to assist the Municipality in meeting recycling goals established by Anoka County by providing said SCORE, LRDG, and County budgeted program funds to cities and townships in the County for solid waste recycling programs.

NOW, THEREFORE, in consideration of the mutual covenants and promises contained in this Agreement, the parties mutually agree to the following terms and conditions:

1. **PURPOSE AND CONTRACT DOCUMENTS.** The purpose of this Agreement is to provide for cooperation between the County and the Municipality to implement solid waste recycling programs in the Municipality which will help the County and member municipalities meet the goals set in the current Anoka County Solid Waste Management Master Plan. The County and the Municipality agree that the information provided in the recitals above is to be incorporated into the purpose of this agreement.

   The Anoka County Municipal Waste Abatement Grant Program (hereinafter "Grant Program") Contract Documents include: the **Anoka County Municipal Waste**

DocuSign Envelope ID: E1227292-CABD-4035-9075-56C5CB154254

Abatement Grant Funding Application submitted by the Municipality for the current contract year, and the **Grant Funding Award** issued by Anoka County for the current contract year. These documents are incorporated into this agreement by reference and are components of the entire contract package. The order of precedence of these documents in the event of inconsistency or ambiguity shall be resolved in the following order: 1) this **Agreement for Residential Recycling Program;** 2) **Grant Funding Award**; and 3) **Anoka County Municipal Waste Abatement Grant Funding Application.**

2. **TERM.** The term of this Agreement is from January 1, 2024, through December 31, 2024, unless earlier terminated as provided herein.

3. **DEFINITIONS.** Defined terms contained in this Agreement and all the attachments are found in Minn. Stat. § 115A.03; 115A.471; and 115A.552. The use of capitalization for defined terms has no special effect. Additionally:

   a. "Full-Service Recycling Drop-off Center" means centralized permanent drop-off center that is open at least two times a week and accepts at least four types of materials beyond traditional curbside recyclables, i.e.: mattresses, appliances, scrap metal, furniture, source-separated compostable materials, electronics, etc.

   b. "Multi-family dwellings" means households within apartment complexes, condominiums, townhomes, mobile homes, and senior housing complexes.

   c. "Community Partner" means community festivals which appear to the public to be supported and run by the Municipality but in fact are sponsored or co-sponsored by a municipality or an independent non-profit 501c (3) organization, for example: the Anoka Halloween Parade.

4. **ELIGIBILITY FOR FUNDS.** Per Minn. Stat. § 115A.557, Subd. 1, funding eligibility is based primarily on population, with a minimum funding floor. For 2024, the County has determined that funding will be determined by the Grant Program funding application. The Municipality is entitled to receive reimbursement for eligible expenses, less revenues or other reimbursement received, for eligible activities up to the project maximum, which shall not exceed $69,350.00. The Municipality shall be provided documentation of the funding award determination and rationale as indicated by the approved 2024 Grant Program Funding Application.

   The County reserves the right to assess reimbursement reporting status for each municipality mid-year and recommend funding adjustments as determined by the County Program Specialist managing the Grant Program.

   The County also reserves the right to withdraw reimbursement of approved expenses if the requirements noted in section 6. of this contract are not met.

   The County also reserves the ability to assess the programs and reallocate unused SCORE and/or, LRDG funds mid-year if any participating municipality demonstrates the need for the funding and funds are available. The Municipality shall be provided documentation of the Grant Program funding award determination and rationale as indicated by the 2024 Grant Program Funding Award.

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5. **PROGRAM.** The Municipality shall develop and implement a residential solid waste recycling program adequate to meet the Municipality's annual recycling goal of 3,100 tons of recyclable and source-separated compostable materials as established by the County. The Municipality shall ensure that the recyclable materials collected are delivered to processors or end markets for recycling or composting.

   a. The Municipal recycling program shall include the following components:

      i. Per Minn. Stat. § 115A.552, each household (including both single and Multi-family dwellings) in the Municipality shall have the Opportunity to Recycle at least four broad types of materials, including but not limited to, paper (including cardboard/paperboard cartons), glass, plastic, and metal.

      ii. The recycling (including any organics) program shall be operated in compliance with all applicable federal, state, and local laws, ordinances, rules, and regulations.

      iii. The Municipality shall implement a public information program that contains at least one of the following components:

         (1) One promotional mailing to each household focused exclusively on the Municipality's recycling and source-separated compostable materials program;

         (2) One promotional advertisement detailing recycling and source-separated compostable materials opportunities available for residents included in the Municipality's newsletter or local newspaper; or

         (3) Two community outreach activities at Municipal or Community Partner events to inform residents about recycling and source-separated compostable materials opportunities.

      iv. The public information components listed above shall focus on all recyclable materials and the various opportunities to recycle and compost source-separated compostable materials within the Municipality. The Municipality shall incorporate County/regional/State campaigns and images and use the toolkits provided by the County when preparing promotional materials. The Municipality, on an ongoing basis, shall identify new residents and provide detailed information on the recycling opportunities available to these new residents. The County shall work with the Municipality on promotional materials to coordinate messages. The Municipality shall provide promotional materials to the County for review prior to publication to ensure accuracy.

      v. The Municipality shall offer a minimum of one spring or fall recycling drop-off event where items not normally accepted at the curb are collected for recycling. If the Municipality is hosting a monthly drop-off as described below, the spring/fall recycling drop-off events may be included within that program.

   b. The Municipality is encouraged to expand its recycling program to include one or more of the following components in order to receive additional funding.

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i. Organize monthly/quarterly recycling drop-off events which can be held in conjunction with a neighboring municipality(ies) on a cooperative basis for the citizens of both/all municipalities.

ii. Provide a community event recycling program, which at a minimum would consist of providing recycling opportunities at all Municipal sponsored or Community Partner events and festivals as required by Minn. Stat. § 115A.151. The feasibility of adding source-separated compostable material collection at the event will be explored, and if feasible, implemented as an enhancement to the waste abatement program.

iii. Provide the opportunity for citizens to engage in recycling activities at Municipal and Community Partner facilities as required by Minn. Stat. § 115A.151 such as athletic fields and public centers.

iv. Organize and manage a Full-Service Recycling Drop-off Center.

v. Implement enhanced recycling promotion and assistance for Multi-family dwellings.

vi. Develop additional opportunities for source-separated compostable materials collection.

vii. Develop and implement additional opportunities to recycle bulky and problem materials (e.g., appliances, batteries, electronics, fluorescent lamps, mattresses, oil, scrap metal, etc.) from residents on an on-going basis either curbside or at a drop-off.

c. If the Municipality's recycling program did not achieve the Municipality's recycling goals as established by the County for the prior calendar year, the Municipality shall work with the County to prepare a plan to achieve the recycling goals set forth in this Agreement.

d. The Municipality's recycling program shall be limited to residential programming for funding reimbursements under this Agreement. The County will not reimburse business recycling programming or household hazardous waste programming by the Municipality. Any inquiries or requests regarding these topics should be sent to the County for response.

e. In addition to the above requirements designed to increase residential recycling opportunities, the Municipality shall provide recycling opportunities in all municipal buildings including but not limited to, city offices, public meeting rooms and parks, as required by Minn. Stat. § 115A.151.

f. If the Municipality requests reimbursement for park/public entity recycling/organics/trash waste systems/containers, the Municipality needs to work with the County before an order is placed to make sure the containers are consistent with the requirements set forth by the County for colors e.g. (blue for recycling, green for organics and gray or black for trash), openings and labels.

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g. Pursuant to Minn. Stat. §§ 115A. 46, 115A.471 and 473.848, all waste generated by municipal government activities (including city/town halls, public works and public safety buildings, parks, and libraries, and for municipalities that arrange for waste services on behalf of their residents (organized collection)) shall be delivered to a waste processing plant for disposal as long as capacity is available. Failure to comply with this provision shall constitute a breach of this Agreement resulting in the loss of all Grant Funding unless, pursuant to statute, the Municipality has conferred with the County and developed a plan to comply within a reasonable period of time.

6. **REPORTING.** The Municipality shall submit the following forms via Re-TRAC: application, reimbursement, and tonnage report forms to the County on the schedule noted below:

a. June 3, 2024 – Deadline for submitting via Re-TRAC the 2025 Anoka County Municipal Waste Abatement Grant Funding Application and all required attachments

b. July 12, 2024 – Deadline for submitting via Re-TRAC the 2024 January – June Anoka County Municipal Reimbursement Report Form and all required attachments

c. July 31, 2024 – Deadline for submitting via Re-TRAC the 2024 January – June Anoka County Municipal Tonnage Report Form and all required attachments

d. November 15, 2024 – Deadline for submitting via DocuSign the signed 2025 Agreement for Residential Recycling Program

e. January 10, 2025 – Deadline for submitting via Re-TRAC the 2024 July – December Anoka County Municipal Reimbursement Report Form and all required attachments

f. January 31, 2025 – Deadline for submitting via Re-TRAC the 2024 July – December Anoka County Municipal Tonnage Report Form and all required attachments

g. For the Anoka County **Municipal Waste Abatement Grant Funding Application**, **using set categories in Re-TRAC,** the:
- Municipality is required to follow application instructions
- Municipality must refer to list of eligible expenses when completing the application
- Municipality is required to upload in Re-TRAC a complete and accurate 2024 Staffing Metric and Drop-off Calculator
- Municipality is required to upload in Re-TRAC a complete and accurate .pdf file of up-to-date promotions listing collection opportunities at curbside, permanent drop-off centers or other special events

h. For the Anoka County **Municipal Reimbursement Report Form**, **using set categories in Re-TRAC,** the:
- Municipality is required to follow reimbursement form instructions

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- Municipality must refer to list of eligible expenses when completing the reimbursement form
- If the Municipality is being audited, the Municipality must provide a full accounting of the expenses incurred that have been approved in the 2024 Municipal Waste Abatement Grant Funding Application
- Municipality is required to upload in Re-TRAC a complete and accurate Reimbursement Worksheet which matches the amounts entered in the associated sections in the Re-TRAC Reimbursement Report Form
- Information regarding any revenue received from sources other than the County, for the Municipality's recycling and source-separated organics programs, i.e., revenue taken in from the sale of recyclables and fees collected from residents, shall be reported
- Copies of all promotional materials that have been prepared by the Municipality during each reporting period shall be uploaded in the Re-TRAC Reimbursement Report Form

i. For the **Municipal Tonnage Report Form, using set categories in Re-TRAC,** the:

- Municipality is required to follow tonnage report form instructions
- Municipality shall keep detailed records documenting the disposition of all recyclable materials collected pursuant to this Agreement
- When calculating <u>all</u> tonnage categories, weight slips from haulers and end markets are required. If weight slips cannot be obtained, written documentation of the quantity and type of material being reused, recycled, or composted must be provided
- Using quantity and type of material, the Municipality shall use the conversion factors provided by the County to determine the tonnage
- If County conversion factors do not apply to any given materials, a description of the methodology used for calculations must be provided to the County
- If the Municipality is being audited, the Municipality must provide a full accounting of the amount of waste which has been reused, recycled, and composted due to the Municipality's activities and the efforts of other community programs, redemption centers and drop-off centers
- Municipality is required to upload in Re-TRAC a complete and accurate Tonnage Worksheet which matches the amounts entered in the associated sections in the Re-TRAC Tonnage Report Form
- For waste abatement programs run by other persons or entities, the Municipality shall provide documentation of materials recycled by the Municipality's residents through these other programs

j. The Municipality agrees to support County efforts in obtaining hauler reports by ensuring compliance through ordinance, contract or license requirements and the ability to exercise punitive actions, if needed.

k. The Municipality agrees to furnish the County with additional reports in form and at frequencies requested by the County for financial evaluation, program management purposes, and reporting to the State of Minnesota.

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7. **REIMBURSEMENT PAYMENT PROCEDURE.** Approved grant reimbursement payments shall be paid in accordance with standard County procedures, subject to the approval of the Anoka County Board of Commissioners. Payments will not be made until the set contract deadlines are met.

8. **PUBLICATIONS.** The Municipality shall acknowledge the financial assistance of Anoka County on all promotional materials, reports and publications relating to the activities funded under this Agreement, by including the following acknowledgement: "Funded by the Anoka County Board of Commissioners and State SCORE funds." The Municipality shall provide to the County copies of all promotional materials funded by this grant.

   The County shall provide to the Municipalities printed public information pieces about County programs and topics developed by the Recycling Education Committee (REC). The Municipality shall not modify County provided publications and promotional materials.

   Information about all County programs and drop-off sites that a Municipality plans to publish in a Municipal communication, printed, electronic, or on social media platforms shall be provided to the County for review and approved by the County prior to publication. This includes all information related to County waste prevention, reduction, recycling programs, County household hazardous waste operations and the County compost sites.

   To ensure content accuracy and message consistency throughout the region, any technical information about waste prevention, reduction, recycling, composting and household hazardous waste should be provided to the County for review, before it is printed, to verify that it is correct information for Anoka County. Information copied from the Internet may not be accurate for the twin cities metro area.

9. **INDEMNIFICATION.** The County agrees to indemnify, defend, and hold the Municipality harmless from all claims, demands, and causes of action of any kind or character, including the cost of defense thereof, resulting from the acts or omissions of its public officials, officers, agents, employees, and contractors relating to activities performed by the County under this Agreement.

   The Municipality agrees to indemnify, defend, and hold the County harmless from all claims, demands, and causes of action of any kind or character, including the cost of defense thereof, resulting from the acts or omissions of its public officials, officers, agents, employees, and contractors relating to activities performed by the Municipality under this Agreement.

   The provisions of this subdivision shall survive the termination or expiration of the term of this Agreement.

10. **GENERAL PROVISIONS.**

    a. In performing the provisions of this Agreement, both parties agree to comply with all applicable federal, state, or local laws, ordinances, rules, regulations, or

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standards established by any agency or special governmental unit which are now or hereafter promulgated insofar as they relate to performance of the provisions of this Agreement. In addition, the Municipality shall comply with all applicable requirements of the State of Minnesota for the use of SCORE funds provided to the Municipality by the County under this Agreement. The Municipality shall also comply with all relevant portions of the current Anoka County Solid Waste Management Master Plan and shall participate in the preparation of the successor Master Plans.

b. If the Municipality utilizes the services of a subcontractor for purposes of meeting requirements herein, the Municipality shall be responsible for the performance of all such subcontracts and shall ensure that the subcontractors perform fully the terms of the subcontract. The agreement between the Municipality and a subcontractor shall obligate the subcontractor to comply fully with the terms of this Agreement.

c. It is understood and agreed that the entire agreement is contained herein, and that this Agreement supersedes all oral and written agreements and negotiations between the parties relating to the subject matter hereof.

d. Any amendments, alterations, variations, modifications, or waivers of this Agreement shall be valid only when they have been reduced to writing, duly signed by the parties.

e. The provisions of this Agreement are severable. If any paragraph, section, subdivision, sentence, clause, or phrase of this Agreement is for any reason held to be contrary to law, such decision shall not affect the remaining portion of this Agreement.

f. Nothing in this Agreement shall be construed as creating the relationship of co-partners, joint venturers, or an association between the County and the Municipality, nor shall the Municipality, its employees, agents, or representatives be considered employees, agents, or representatives of the County for any purpose.

g. The Municipality shall maintain financial and other records and accounts in accordance with requirements of the County and the State of Minnesota. The Municipality shall maintain strict accountability of all funds and maintain records of all receipts and disbursements. Such records and accounts shall be maintained in a form which will permit the tracing of funds and program income to final expenditure. The Municipality shall maintain records sufficient to reflect that all funds received under this Agreement were expended in accordance with Minn. Stat. § 115A.557, Subd. 2, for residential solid waste recycling purposes. The Municipality shall also maintain records of the quantities of materials recycled. All records and accounts shall be retained as provided by law, but in no event for a period of less than five years from the last receipt of payment from the County pursuant to this Agreement.

h. Pursuant to Minn. Stat. § 16C.05, the Municipality shall allow the County or other persons or agencies authorized by the County, and the State of Minnesota, including the Legislative Auditor or the State Auditor, access to the records of the

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Municipality at reasonable hours, including all books, records, documents, and accounting procedures and practices of the Municipality relevant to the subject matter of the Agreement, for purposes of audit. In addition, the County shall have access to the project site(s), if any, at reasonable hours.

i. The County reserves the right to withdraw reimbursement of approved expenses if the Municipality does not comply with state law or the County's Solid Waste Ordinance.

11. **TERMINATION.** This Agreement may be terminated by mutual written agreement of the parties or by either party, with or without cause, by giving not less than seven (7) days' written notice, delivered by mail or in person to the other party, specifying the date of termination. If this Agreement is terminated, assets acquired in whole or in part with funds provided under this Agreement shall be the property of the Municipality so long as said assets are used by the Municipality for the purpose of a landfill abatement program approved by the County.

(SIGNATURE PAGE TO FOLLOW)

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IN WITNESS WHEREOF, the parties hereunto set their hands.

CITY OF RAMSEY

By: DocuSigned by: B26F05B441C84AB...
Mark Kuzma
Mayor

Date: 9/19/2023

By: _____
Brian Hagen
City Administrator

Date: _____

COUNTY OF ANOKA

By: _____
Cindy Cesare, Chief Officer
Anoka County Human Services

Date: _____

By: _____
Rhonda Sivarajah
County Administrator

Date: _____

Approved as to form and legality:

By: _____
Kurt Deile
Assistant County Attorney

Date: _____

kcd\contracts\integrated waste contracts\SCORE grants\2024_____

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Attachment A

Minnesota Statutes Referenced in Agreement for Residential Recycling Program

Chapter 115A WASTE MANAGEMENT

Minn. Stat. §115A.03 Definitions

Subdivision 1. **Applicability.**

For the purposes of this chapter, the terms defined in this section have the meanings given them, unless the context requires otherwise.

Subd. 2. **Agency.**

"Agency" means the Pollution Control Agency.

Subd. 3.

[Repealed, 1989 c 335 art 1 s 270]

Subd. 3a. **Arrange for management.**

"Arrange for management" means an activity undertaken by a person that determines the ultimate disposition of solid waste that is under the control of the person, including delivery of the waste to a transfer station for transport to another solid waste management facility. Knowledge of the destination of waste by a generator is by itself insufficient for arranging for management unless the generator knows that the destination is an environmentally inferior facility as defined in this section, has the ability to redirect the waste to an environmentally superior facility and ensure its delivery to that facility, and chooses not to redirect the waste.

Subd. 4. **Cities.**

"Cities" means statutory and home rule charter cities and towns authorized to plan under sections 462.351 to 462.364.

Subd. 5. **Collection.**

"Collection" means the aggregation of waste from the place at which it is generated and includes all activities up to the time the waste is delivered to a waste facility.

Subd. 6. **Commercial waste facility.**

"Commercial waste facility" means a waste facility established and permitted to sell waste processing or disposal services to generators other than the owner and operator of the facility.

Subd. 6a. **Commissioner.**

"Commissioner" means the commissioner of the Pollution Control Agency.

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Subd. 7. **Construction debris.**

"Construction debris" means waste building materials, packaging, and rubble resulting from construction, remodeling, repair, and demolition of buildings and roads.

Subd. 7a. **Containment.**

"Containment" means isolating, controlling, and monitoring waste in a waste facility in order to prevent a release of waste from the facility that would have an adverse impact upon human health and the environment.

Subd. 8. **Development region.**

"Development region" means a region designated pursuant to sections 462.381 to 462.397.

Subd. 8a.

[Repealed, 1Sp2005 c 1 art 2 s 162]

Subd. 9. **Disposal or dispose.**

"Disposal" or "dispose" means the discharge, deposit, injection, dumping, spilling, leaking, or placing of any waste into or on any land or water so that the waste or any constituent thereof may enter the environment or be emitted into the air, or discharged into any waters, including groundwaters.

Subd. 10. **Disposal facility.**

"Disposal facility" means a waste facility permitted by the agency that is designed or operated for the purpose of disposing of waste on or in the land, together with any appurtenant facilities needed to process waste for disposal or transfer to another waste facility.

Subd. 10a. **Environmentally inferior.**

"Environmentally inferior" means a solid waste management method that is lower on the list of preferred waste management methods in section 115A.02 than a solid waste management method chosen by a county or, as applied to a facility, means a waste management facility that utilizes a waste management method that is lower on the list of preferred waste management methods than the waste management method chosen by a county. In addition, as applied to disposal facilities, a facility that does not meet the standards for new facilities in Code of Federal Regulations, title 40, chapters 257 and 258, is environmentally inferior to a facility that does meet these standards.

Subd. 11. **Generation.**

"Generation" means the act or process of producing waste.

Subd. 12. **Generator.**

"Generator" means any person who generates waste.

Subd. 13. **Hazardous waste.**

"Hazardous waste" has the meaning given it in section 116.06, subdivision 11.

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Subd. 13a. **Industrial waste.**

"Industrial waste" means solid waste resulting from an industrial, manufacturing, service, or commercial activity that is managed as a separate waste stream.

Subd. 14. **Intrinsic hazard.**

"Intrinsic hazard" of a waste means the propensity of the waste to migrate in the environment, and thereby to become exposed to the public, and the significance of the harm or damage likely to result from exposure of natural resources or the public to the waste, as a result of such inherent or induced attributes of the waste as its chemical and physical stability, solubility, bioconcentratability, toxicity, flammability, and corrosivity.

Subd. 15. **Intrinsic suitability.**

(a) "Intrinsic suitability" of a land area or site means that, based on existing data on the inherent and natural attributes, physical features, and location of the land area or site, there is no known reason why the waste facility proposed to be located in the area or site cannot reasonably be expected to qualify for permits in accordance with agency rules. Agency certification of intrinsic suitability shall be based on data submitted to the agency by the proposing entity and data included by the administrative law judge in the record of any public hearing on recommended certification, and applied against criteria in agency rules and any additional criteria developed by the agency in effect at the time the proposing entity submits the site for certification.

(b) In the event that all candidate sites selected by the board before May 3, 1984, are eliminated from further consideration and a new search for candidate sites is commenced, "intrinsic suitability" of a land area or site shall mean that, because of the inherent and natural attributes, physical features, and location of the land area or site, the waste facility proposed to be located in the area or site would not be likely to result in material harm to the public health and safety and natural resources and that therefore the proposed facility can reasonably be expected to qualify for permits in accordance with agency rules.

Subd. 16.

[Repealed, 1997 c 7 art 1 s 26]

Subd. 17. **Local government unit.**

"Local government unit" means cities, towns, and counties.

Subd. 17a. **Major appliances.**

"Major appliances" means clothes washers and dryers, dishwashers, hot water heaters, heat pumps, furnaces, garbage disposals, trash compactors, conventional and microwave ovens, ranges and stoves, air conditioners, dehumidifiers, refrigerators, and freezers.

Subd. 18. **Metropolitan area.**

"Metropolitan area" has the meaning given it in section 473.121.

Subd. 19. **Metropolitan Council.**

"Metropolitan Council" means the council established in chapter 473.

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Subd. 20.

[Repealed, 1994 c 628 art 3 s 209]

Subd. 21. **Mixed municipal solid waste.**

(a) "Mixed municipal solid waste" means garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities that the generator of the waste aggregates for collection, except as provided in paragraph (b).

(b) Mixed municipal solid waste does not include auto hulks, street sweepings, ash, construction debris, mining waste, sludges, tree and agricultural wastes, tires, lead acid batteries, motor and vehicle fluids and filters, and other materials collected, processed, and disposed of as separate waste streams.

Subd. 22. **Natural resources.**

"Natural resources" has the meaning given it in chapter 116B.

Subd. 22a.

[Repealed, 1Sp2005 c 1 art 2 s 162]

Subd. 22b. **Packaging.**

"Packaging" means a container and any appurtenant material that provide a means of transporting, marketing, protecting, or handling a product. "Packaging" includes pallets and packing such as blocking, bracing, cushioning, weatherproofing, strapping, coatings, closures, inks, dyes, pigments, and labels.

Subd. 23. **Person.**

"Person" has the meaning given it in section 116.06, but does not include the Pollution Control Agency.

Subd. 24. **Political subdivision.**

"Political subdivision" means any municipal corporation, governmental subdivision of the state, local government unit, special district, or local or regional board, commission, or authority authorized by law to plan or provide for waste management.

Subd. 24a. **Problem material.**

"Problem material" means a material that, when it is processed or disposed of with mixed municipal solid waste, contributes to one or more of the following results:

(1) the release of a hazardous substance, or pollutant or contaminant, as defined in section 115B.02, subdivisions 8, 13, and 15;

(2) pollution of water as defined in section 115.01, subdivision 13;

(3) air pollution as defined in section 116.06, subdivision 4; or

(4) a significant threat to the safe or efficient operation of a solid waste facility.

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Subd. 24b. **Postconsumer material.**

"Postconsumer material" means a finished material that would normally be discarded as a solid waste having completed its life cycle as a consumer item.

Subd. 25. **Processing.**

"Processing" means the treatment of waste after collection and before disposal. Processing includes but is not limited to reduction, storage, separation, exchange, resource recovery, physical, chemical, or biological modification, and transfer from one waste facility to another.

Subd. 25a. **Recyclable materials.**

"Recyclable materials" means materials that are separated from mixed municipal solid waste for the purpose of recycling or composting, including paper, glass, plastics, metals, automobile oil, batteries, source-separated compostable materials, and sole source food waste streams that are managed through biodegradative processes. Refuse-derived fuel or other material that is destroyed by incineration is not a recyclable material.

Subd. 25b. **Recycling.**

"Recycling" means the process of collecting and preparing recyclable materials and reusing the materials in their original form or using them in manufacturing processes that do not cause the destruction of recyclable materials in a manner that precludes further use.

Subd. 25c. **Recycling facility.**

"Recycling facility" means a facility at which materials are prepared for reuse in their original form or for use in manufacturing processes that do not cause the destruction of the materials in a manner that precludes further use.

Subd. 25d. **Refuse-derived fuel.**

"Refuse-derived fuel" means a product resulting from the processing of mixed municipal solid waste in a manner that reduces the quantity of noncombustible material present in the waste, reduces the size of waste components through shredding or other mechanical means, and produces a fuel suitable for combustion in existing or new solid fuel-fired boilers.

Subd. 26. **Regional development commission.**

"Regional development commission" means a commission established pursuant to sections 462.381 to 462.397.

Subd. 26a. **Resource conservation.**

"Resource conservation" means the reduction in the use of water, energy, and raw materials.

Subd. 27. **Resource recovery.**

"Resource recovery" means the reclamation for sale, use, or reuse of materials, substances, energy, or other products contained within or derived from waste.

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Subd. 28. **Resource recovery facility.**

"Resource recovery facility" means a waste facility established and used primarily for resource recovery, including related and appurtenant facilities such as transmission facilities and transfer stations primarily serving the resource recovery facility.

Subd. 28a. **Retrievable storage.**

"Retrievable storage" means a method of disposal whereby wastes are placed in a facility established pursuant to sections 115A.18 to 115A.30 for an indeterminate period in a manner designed to allow the removal of the waste at a later time.

Subd. 28b. **Sanitary district.**

"Sanitary district" means a sanitary district with the authority to regulate solid waste.

Subd. 29. **Sewage sludge.**

"Sewage sludge" means solid, semisolid, or liquid residue generated during the treatment of domestic sewage in a treatment works. It includes, but is not limited to, scum or solids removed in primary, secondary, or advanced wastewater treatment processes and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screenings generated during preliminary treatment of domestic sewage in a treatment works. Sewage sludge that is acceptable and beneficial for recycling on land as a soil conditioner and nutrient source is also known as biosolids.

Subd. 30. **Sewage sludge disposal facility.**

"Sewage sludge disposal facility" means property owned or leased by a political subdivision and used for interim or final disposal or land spreading of sewage sludge.

Subd. 31. **Solid waste.**

"Solid waste" has the meaning given it in section 116.06, subdivision 22.

Subd. 32. **Solid waste management district or waste district.**

"Solid waste management district" or "waste district" means a geographic area extending into two or more counties in which the management of solid waste is vested in a special district established pursuant to sections 115A.62 to 115A.72.

Subd. 32a.

MS 1994 [Renumbered subd 32c]

Subd. 32a.**Source-separated compostable materials.**

"Source-separated compostable materials" means materials that:

(1) are separated at the source by waste generators for the purpose of preparing them for use as compost;

(2) are collected separately from mixed municipal solid waste, and are governed by the licensing provisions of section 115A.93;

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(3) are comprised of food wastes, fish and animal waste, plant materials, diapers, sanitary products, and paper that is not recyclable because the commissioner has determined that no other person is willing to accept the paper for recycling;

(4) are delivered to a facility to undergo controlled microbial degradation to yield a humus-like product meeting the agency's class I or class II, or equivalent, compost standards and where process rejects do not exceed 15 percent by weight of the total material delivered to the facility; and

(5) may be delivered to a transfer station, mixed municipal solid waste processing facility, or recycling facility only for the purposes of composting or transfer to a composting facility, unless the commissioner determines that no other person is willing to accept the materials.

Subd. 32b.

MS 1994 [Renumbered subd 32d]

Subd. 32b. **Source-separated recyclable materials.**

"Source-separated recyclable materials" means recyclable materials, including commingled recyclable materials, that are separated by the generator.

Subd. 32c. **Stabilization.**

"Stabilization" means a chemical or thermal process in which materials or energy are added to waste in order to reduce the possibility of migration of any hazardous constituents of the resulting stabilized waste in preparation for placement of the waste in a stabilization and containment facility.

Subd. 32d. **Stabilization and containment facility.**

"Stabilization and containment facility" means a waste facility that is designed for stabilization and containment of waste, together with other appurtenant facilities needed to process waste for stabilization, containment, or transfer to another facility.

Subd. 33. **Transfer station.**

"Transfer station" means an intermediate waste facility in which waste collected from any source is temporarily deposited to await transportation to another waste facility.

Subd. 34. **Waste.**

"Waste" means solid waste, sewage sludge, and hazardous waste.

Subd. 35. **Waste facility.**

"Waste facility" means all property, real or personal, including negative and positive easements and water and air rights, which is or may be needed or useful for the processing or disposal of waste, except property for the collection of the waste and property used primarily for the manufacture of scrap metal or paper. Waste facility includes but is not limited to transfer stations, processing facilities, and disposal sites and facilities.

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Subd. 36. **Waste management.**

"Waste management" means activities which are intended to affect or control the generation of waste and activities which provide for or control the collection, processing and disposal of waste.

Subd. 36a. **Waste management method chosen by a county.**

"Waste management method chosen by a county" means:

(1) a waste management method that is mandated for waste generated in the county by section 115A.415, 473.848, 473.849, or other state law, or by county ordinance based on the county solid waste management plan developed, adopted, and approved under section 115A.46 or 458D.05 or the county solid waste management master plan developed, adopted, and approved under section 473.803; or

(2) a waste management facility or facilities, developed under the county solid waste management plan or master plan, to which solid waste generated in a county is directed by an ordinance developed, adopted, and approved under sections 115A.80 to 115A.893.

Subd. 36b. **Waste reduction or source reduction.**

"Waste reduction" or "source reduction" means an activity that prevents generation of waste or the inclusion of toxic materials in waste, including:

(1) reusing a product in its original form;

(2) increasing the life span of a product;

(3) reducing material or the toxicity of material used in production or packaging; or

(4) changing procurement, consumption, or waste generation habits to result in smaller quantities or lower toxicity of waste generated.

Subd. 37. **Waste rendered nonhazardous.**

"Waste rendered nonhazardous" means (1) waste excluded from regulation as a hazardous waste under the delisting requirements of United States Code, title 42, section 6921 and any federal and state delisting rules, and (2) other nonhazardous residual waste from the processing of hazardous waste.

Subd. 38. **Yard waste.**

"Yard waste" means garden wastes, leaves, lawn cuttings, weeds, shrub and tree waste, and prunings.

History:

1980 c 564 art 1 s 3; 1981 c 352 s 1,2; 1983 c 373 s 5,6; 1984 c 640 s 32; 1984 c 644 s 1,2; 1985 c 274 s 1-3; 1986 c 425 s 12-17; 1987 c 348 s 1,2; 1988 c 524 s 1; 1988 c 685 s 3,4,21; 1989 c 325 s 3; 1989 c 335 art 1 s 128,129,269; 1Sp1989 c 1 art 18 s 3; art 20 s 1,2; 1991 c 303 s 1; 1991 c 337 s 6,7,44; 1992 c 593 art 1 s 5-7,28; 1993 c 249 s 7,8,61; 1994 c 548 s 1; 1994 c 585 s 3; 1994 c 639 art 5 s 3; 1995 c 220 s 96; 1995 c 247 art 1 s 66; 1996 c 470 s 2-5; 1Sp2005 c 1 art 2 s 161; 2008 c 357 s 32,33; 2011 c 107 s 81; 2014 c 248 s 14; 1Sp2015 c 4 art 4 s 104,105

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Minn. Stat. § 115A.151 RECYCLING REQUIREMENTS; PUBLIC ENTITIES; COMMERCIAL BUILDINGS; SPORTS FACILITIES.

(a) A public entity, the owner of a sports facility, and an owner of a commercial building shall:

(1) ensure that facilities under its control, from which mixed municipal solid waste is collected, also collect at least three recyclable materials, such as, but not limited to, paper, glass, plastic, and metal; and

(2) transfer all recyclable materials collected to a recycler.

(b) For the purposes of this section:

(1) "public entity" means the state, an office, agency, or institution of the state, the Metropolitan Council, a metropolitan agency, the Metropolitan Mosquito Control Commission, the legislature, the courts, a county, a statutory or home rule charter city, a town, a school district, a special taxing district, or any entity that receives an appropriation from the state for a capital improvement project after August 1, 2002;

(2) "metropolitan agency" and "Metropolitan Council" have the meanings given them in section 473.121;

(3) "Metropolitan Mosquito Control Commission" means the commission created in section 473.702;

(4) "commercial building" means a building that:

(i) is located in a metropolitan county, as defined in section 473.121;

(ii) contains a business classified in sectors 42 to 81 under the North American Industrial Classification System; and

(iii) contracts for four cubic yards or more per week of solid waste collection; and

(5) "sports facility" means a professional or collegiate sports facility at which competitions take place before a public audience.

History: *1Sp1989 c 1 art 18 s 9; 1991 c 337 s 12; 1996 c 457 s 10; 2002 c 312 s 2; 2014 c 225 s 4; 2014 c 312 art 13 s 24*

Minn. Stat. §115A.46 REGIONAL AND LOCAL SOLID WASTE MANAGEMENT PLAN; REQUIREMENTS.

Subdivision 1.**General.**

(a) Plans shall address the state policies and purposes expressed in section 115A.02 and may not be inconsistent with state law.

(b) Plans for the location, establishment, operation, maintenance, and postclosure use of facilities and facility sites, for ordinances, and for licensing, permit, and enforcement activities shall be consistent with the rules adopted by the agency pursuant to chapter 116.

(c) Plans shall address:

(1) the resolution of conflicting, duplicative, or overlapping local management efforts;

(2) the establishment of joint powers management programs or waste management districts where appropriate; and

(3) other matters as the rules of the agency may require consistent with the purposes of sections 115A.42 to 115A.46.

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(d) Political subdivisions preparing plans under sections 115A.42 to 115A.46 shall consult with persons presently providing solid waste collection, processing, and disposal services.

(e) Plans must be submitted to the commissioner for approval. When a county board is ready to have a final plan approved, the county board shall submit a resolution requesting review and approval by the commissioner. After receiving the resolution, the commissioner shall notify the county within 45 days whether the plan as submitted is complete and, if not complete, the specific items that need to be submitted to make the plan complete. Within 90 days after a complete plan has been submitted, the commissioner shall approve or disapprove the plan. If the plan is disapproved, reasons for the disapproval must be provided.

(f) After initial approval, each plan must be updated and submitted for approval at least every ten years. The plan must be revised as necessary so that it is not inconsistent with state law.

(g) Rules that regulate plan content under subdivision 2 must reflect demographic, geographic, regional, and solid waste system differences that exist among the counties.

Subd. 2.**Contents.**

(a) The plans shall describe existing collection, processing, and disposal systems, including schedules of rates and charges, financing methods, environmental acceptability, and opportunities for improvements in the systems.

(b) The plans shall include an estimate of the land disposal capacity in acre-feet which will be needed through the year 2000, on the basis of current and projected waste generation practices. In assessing the need for additional capacity for resource recovery or land disposal, the plans shall take into account the characteristics of waste stream components and shall give priority to waste reduction, separation, and recycling.

(c) The plans shall require the most feasible and prudent reduction of the need for and practice of land disposal of mixed municipal solid waste.

(d) The plans shall address at least waste reduction, separation, recycling, and other resource recovery options, and shall include specific and quantifiable objectives, immediately and over specified time periods, for reducing the land disposal of mixed municipal solid waste and for the implementation of feasible and prudent reduction, separation, recycling, and other resource recovery options. These objectives shall be consistent with statewide objectives as identified in statute. The plans shall describe methods for identifying the portions of the waste stream such as leaves, grass, clippings, tree and plant residue, and paper for application and mixing into the soil and use in agricultural practices. The plans shall describe specific functions to be performed and activities to be undertaken to achieve the abatement, reduction, separation, recycling, and other resource recovery objectives and shall describe the estimated cost, proposed manner of financing, and timing of the functions and activities. The plans shall describe proposed mechanisms for complying with the recycling requirements of section 115A.551, and the household hazardous waste management requirements of section 115A.96, subdivision 6.

(e) The plans shall include a comparison of the costs of the activities to be undertaken, including capital and operating costs, and the effects of the activities on the cost to generators and on persons currently providing solid waste collection, processing, and disposal services. The plans shall include alternatives which could be used to achieve the abatement objectives if the proposed functions and activities are not established.

(f) The plans shall designate how public education shall be accomplished. The plans shall, to the extent practicable and consistent with the achievement of other public policies and purposes, encourage ownership and operation of solid waste facilities by private industry. For solid waste facilities owned or operated by public agencies or supported primarily by public funds or obligations issued by a public

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agency, the plans shall include criteria and standards to protect comparable private and public facilities already existing in the area from displacement unless the displacement is required in order to achieve the waste management objectives identified in the plan.

(g) The plans shall establish a siting procedure and development program to assure the orderly location, development, and financing of new or expanded solid waste facilities and services sufficient for a prospective ten-year period, including estimated costs and implementation schedules, proposed procedures for operation and maintenance, estimated annual costs and gross revenues, and proposals for the use of facilities after they are no longer needed or usable.

(h) The plans shall describe existing and proposed county and municipal ordinances and license and permit requirements relating to solid waste management and shall describe existing and proposed regulation and enforcement procedures.

Subd. 3.

[Repealed, 1984 c 644 s 82]

Subd. 4. **Delegating solid waste responsibilities.**

A county or a solid waste management district established under sections 115A.62 to 115A.72 may not delegate to another governmental unit or other person any portion of its responsibility for solid waste management unless it establishes a funding mechanism to assure the ability of the entity to which it delegates responsibility to adequately carry out the responsibility delegated.

Subd. 5. **Jurisdiction of plan.**

(a) After a county plan has been submitted for approval under subdivision 1, a public entity, as defined in section 16C.073, subdivision 1, within the county may not enter into a binding agreement governing a solid waste management activity that is inconsistent with the county plan without the consent of the county.

(b) After a county plan has been approved under subdivision 1, the plan governs all solid waste management in the county and a public entity, as defined in section 16C.073, subdivision 1, within the county may not develop or implement a solid waste management activity, other than an activity to reduce waste generation or reuse waste materials, that is inconsistent with the county plan that the county is actively implementing without the consent of the county.

History:

1980 c 564 art 5 s 5; 1982 c 569 s 13; 1984 c 644 s 32,33; 1987 c 404 s 140; 1989 c 131 s 3; 1989 c 325 s 6; 1989 c 335 art 1 s 269; 1Sp1989 c 1 art 20 s 3,4; 1991 c 337 s 15,16; 1995 c 247 art 1 s 8; art 2 s 12; 2003 c 13 s 1; 1Sp2005 c 1 art 2 s 161; 2014 c 196 art 1 s 5

Minn. Stat. §115A.471 PUBLIC ENTITIES; MANAGING SOLID WASTE.

Subdivision 1. **Definitions.**

(a) Prior to entering into or approving a contract for the management of mixed municipal solid waste which would manage the waste using a waste management practice that is ranked lower on the list of preferred waste management practices in section 115A.02, paragraph (b), than the waste management practice selected for such waste in the county plan for the county in which the waste was generated, a public entity must:

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(1) determine the potential liability to the public entity and its taxpayers for managing the waste in this manner;

(2) develop and implement a plan for managing the potential liability; and

(3) submit the information from clauses (1) and (2) to the agency.

(b) For the purpose of this subdivision, "public entity" means the state; an office, agency, or institution of the state; the Metropolitan Council; a metropolitan agency; the Metropolitan Mosquito Control District; the legislature; the courts; a county; a statutory or home rule charter city; a town; a school district; another special taxing district; or any other general or special purpose unit of government in the state.

History: *1995 c 247 art 1 s 9*

Minn Stat. §115A.551 RECYCLING.

Subdivision 1. **Definitions.**

(a) For the purposes of this section, "recycling" means, in addition to the meaning given in section 115A.03, subdivision 25b, yard waste and source-separated compostable materials composting and recycling that occurs through mechanical or hand separation of materials that are then delivered for use in manufacturing processes that do not cause the destruction of recyclable materials in a manner that precludes further use.

(b) For the purposes of this section, "total solid waste generation" means the total by weight of:

(1) materials separated for recycling;

(2) materials separated for yard waste and source-separated compostable materials composting;

(3) mixed municipal solid waste plus motor and vehicle fluids and filters, tires, lead acid batteries, and major appliances; and

(4) residential waste materials that would be mixed municipal solid waste but for the fact that they are not collected as such.

Subd. 2
[Repealed, 2014 c 312 art 13 s 48]

Subd. 2a. **County recycling goals.**

(a) By December 31, 2030, each county will have as a goal to recycle the following amounts:

(1) for a county outside of the metropolitan area, 35 percent by weight of total solid waste generation; and

(2) for a metropolitan county, 75 percent by weight of total solid waste generation.

(b) Each county will develop and implement or require political subdivisions within the county to develop and implement programs, practices, or methods designed to meet its recycling goal. Nothing in this section or in any other law may be construed to prohibit a county from establishing a higher recycling goal.

(c) Any quantified recyclable materials that meet the definition in subdivision 1, paragraph (a), or section 115A.03, subdivision 25a, are eligible to be counted toward a county's recycling goal under this subdivision.

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Subd. 3. **Interim goals; nonmetropolitan counties.**

The commissioner shall establish interim recycling goals for the nonmetropolitan counties to assist them in meeting the goals established in subdivision 2a.

Subd. 4. **Interim monitoring.**

The commissioner shall monitor the progress of each county toward meeting the recycling goals in subdivision 2a. The commissioner shall report to the senate and house of representatives committees having jurisdiction over environment and natural resources as part of the report required under section 115A.411. If the commissioner finds that a county is not progressing toward the goals in subdivision 2a, the commissioner shall negotiate with the county to develop and implement solid waste management techniques designed to assist the county in meeting the goals, such as organized collection, curbside collection of source-separated materials, and volume-based pricing.

Subd. 5. **Failure to meet goal.**

(a) A county failing to meet the interim goals in subdivision 3 shall, as a minimum:

(1) notify county residents of the failure to achieve the goal and why the goal was not achieved; and

(2) provide county residents with information on recycling programs offered by the county.

(b) If, based on the recycling monitoring described in subdivision 4, the commissioner finds that a county will be unable to meet the recycling goals established in subdivision 2a, the commissioner shall, after consideration of the reasons for the county's inability to meet the goals, recommend legislation for consideration by the senate and house of representatives committees having jurisdiction over environment and natural resources and environment and natural resources finance to establish mandatory recycling standards and to authorize the commissioner to mandate appropriate solid waste management techniques designed to meet the standards in those counties that are unable to meet the goals.

Subd. 6. **County solid waste plans.**

Each county shall include in its solid waste management plan described in section 115A.46, or its solid waste master plan described in section 473.803, a recycling implementation strategy for meeting the recycling goal established in subdivision 2a along with mechanisms for providing financial incentives to solid waste generators to reduce the amount of waste generated and to separate recyclable materials from the waste stream.

Subd. 7. **Recycling implementation strategy.**

Each county shall submit to the commissioner for approval the recycling implementation strategy required in subdivision 6. The recycling implementation strategy must be submitted by October 31, 1995, and must:

(1) be consistent with the approved county solid waste management plan;

(2) identify the materials that are being and will be recycled in the county to meet the goals under this section and the parties responsible and methods for recycling the material;

(3) provide a budget to ensure adequate funding for needed county and local programs and demonstrate an ongoing commitment to spending the money on recycling programs; and

(4) include a schedule for implementing recycling activities needed to meet the goals in subdivision 2a.

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History:

1Sp1989 c 1 art 18 s 12; 1991 c 337 s 19-21; 1992 c 593 art 1 s 14-16,54; 1993 c 249 s 13,14,61; 1994 c 639 art 5 s 3; 1995 c 247 art 1 s 14-17; art 2 s 15; 1996 c 470 s 27; 1999 c 73 s 4; 1Sp2005 c 1 art 2 s 161; 2012 c 272 s 67,68; 2014 c 312 art 13 s 26,27; 1Sp2015 c 4 art 4 s 108; 2016 c 158 art 1 s 26-28

Minn. Stat. §115A.552 OPPORTUNITY TO RECYCLE.

Subdivision 1. **County requirement.**

Counties shall ensure that residents, including residents of single and multifamily dwellings, have an opportunity to recycle. At least one recycling center shall be available in each county. Opportunity to recycle means availability of recycling and curbside pickup or collection centers for recyclable materials at sites that are convenient for persons to use. Counties shall also provide for the recycling of problem materials and major appliances. Counties shall assess the operation of existing and proposed recycling centers and shall give due consideration to those centers in ensuring the opportunity to recycle. To the extent practicable, the costs incurred by a county for collection, storage, transportation, and recycling of major appliances must be collected from persons who discard the major appliances.

Subd. 2. **Recycling opportunities.**

An opportunity to recycle must include:

(1) a local recycling center in the county and sites for collecting recyclable materials that are located in areas convenient for persons to use them;

(2) curbside pickup, centralized drop-off, or a local recycling center for at least four broad types of recyclable materials in cities with a population of 5,000 or more persons; and

(3) monthly pickup of at least four broad types of recyclable materials in cities of the first and second class and cities with 5,000 or more population in the metropolitan area.

Subd. 3. **Recycling information, education, and promotion.**

(a) Each county shall provide information on how, when, and where materials may be recycled, including a promotional program that publishes notices at least once every three months and encourages source separation of residential, commercial, industrial, and institutional materials.

(b) The commissioner shall develop materials for counties to use in providing information on and promotion of recycling.

(c) The commissioner shall provide technical assistance to counties to help counties implement recycling programs.

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Subd. 4 .**Nonresidential recycling.**

Each county shall encourage building owners and managers, business owners and managers, and collectors of commercial mixed municipal solid waste to provide appropriate recycling services and opportunities to generators of commercial, industrial, and institutional solid waste in the county.

History: *1Sp1989 c 1 art 18 s 13; 1991 c 337 s 22-24; 1994 c 639 art 5 s 3; 1Sp2005 c 1 art 2 s 161*

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Minn. Stat. §115A.557 COUNTY WASTE REDUCTION AND RECYCLING FUNDING.

Subdivision 1. **Distribution; formula.**

Any funds appropriated to the commissioner for the purpose of distribution to counties under this section must be distributed each fiscal year by the commissioner based on population, except a county may not receive less than $55,000 in a fiscal year. If the amount available for distribution under this section is less or more than the amount available in fiscal year 2001, the minimum county payment under this section is reduced or increased proportionately. For purposes of this subdivision, "population" has the definition given in section 477A.011, subdivision 3. A county that participates in a multicounty district that manages solid waste and that has responsibility for recycling programs as authorized in section 115A.552, must pass through to the districts funds received by the county in excess of the minimum county payment under this section in proportion to the population of the county served by that district.

Subd. 2. **Permissible expenditures.**

(a) A county receiving money distributed by the commissioner under this section may use the money only for the development and implementation of programs to:

(1) reduce the amount of solid waste generated;

(2) recycle the maximum amount of solid waste technically feasible;

(3) create and support markets for recycled products;

(4) remove problem materials from the solid waste stream and develop proper disposal options for them;

(5) inform and educate all sectors of the public about proper solid waste management procedures;

(6) provide technical assistance to public and private entities to ensure proper solid waste management;

(7) provide educational, technical, and financial assistance for litter prevention;

(8) process mixed municipal solid waste generated in the county at a resource recovery facility located in Minnesota;

(9) compost source-separated compostable materials, including the provision of receptacles for residential composting;

(10) prevent food waste or collect and transport food donated to humans or to be fed to animals; and

(11) process source-separated compostable materials that are to be used to produce class I or class II compost, as defined in Minnesota Rules, part 7035.2836, after being processed in an anaerobic digester, but not to construct buildings or acquire equipment.

(b) Beginning in fiscal year 2015 and continuing thereafter, of any money distributed by the commissioner under this section to a metropolitan county, as defined in section 473.121, subdivision 4, that exceeds the amount the county was eligible to receive under this section in fiscal year 2014: (1) at least 50 percent must be expended on activities in paragraph (a), clauses (9) to (11); and (2) the remainder must be expended on activities in paragraph (a), clauses (1) to (7) and (9) to (11), that advance the county toward achieving its recycling goal under section 115A.551.

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Subd. 3. **Eligibility.**

(a) To be eligible to receive money distributed by the commissioner under this section, a county shall within one year of October 4, 1989:

(1) create a separate account in its general fund to credit the money; and

(2) set up accounting procedures to ensure that money in the separate account is spent only for the purposes in subdivision 2.

(b) In each following year, each county shall also:

(1) have in place an approved solid waste management plan or master plan including a recycling implementation strategy under section 115A.551, subdivision 7, and a household hazardous waste management plan under section 115A.96, subdivision 6, by the dates specified in those provisions;

(2) submit a report by April 1 of each year to the commissioner, which may be submitted electronically and must be posted on the agency's website, detailing for the previous calendar year:

(i) how the money was spent including, but not limited to, specific recycling and composting activities undertaken to increase the county's proportion of solid waste recycled in order to achieve its recycling goal established in section 115A.551; specific information on the number of employees performing SCORE planning, oversight, and administration; the percentage of those employees' total work time allocated to SCORE planning, oversight, and administration; the specific duties and responsibilities of those employees; and the amount of staff salary for these SCORE duties and responsibilities of the employees; and

(ii) the resulting gains achieved in solid waste management practices; and

(3) provide evidence to the commissioner that local revenue equal to 25 percent of the money sought for distribution under this section will be spent for the purposes in subdivision 2.

(c) The commissioner shall withhold all or part of the funds to be distributed to a county under this section if the county fails to comply with this subdivision and subdivision 2.

Subd. 4. **Report.**

The commissioner shall report on how the money was spent and the resulting statewide improvements in solid waste management to the senate and house of representatives committees having jurisdiction over ways and means, finance, environment and natural resources, and environment and natural resources finance. The report shall be included in the report required under section 115A.411.

History:

1Sp1989 c 1 art 19 s 1; 1991 c 337 s 26; 1992 c 593 art 1 s 17,54; 1994 c 585 s 13; 1994 c 639 art 5 s 3; 1995 c 247 art 1 s 19,20; 1996 c 470 s 27; 2000 c 490 art 10 s 1; 1Sp2001 c 2 s 125; 2002 c 374 art 6 s 2; 2004 c 284 art 2 s 11; 1Sp2005 c 1 art 2 s 161; 2009 c 37 art 1 s 42; 2012 c 272 s 69; 2014 c 312 art 13 s 28,29; 1Sp2015 c 4 art 4 s 109

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Chapter 473 METROPOLITAN GOVERNMENT

Minn. Stat. §473.8441 LOCAL RECYCLING DEVELOPMENT PROGRAM.

Subdivision 1.**Definitions.**

"Number of households" has the meaning given in Minnesota Statutes 1992, section 477A.011, subdivision 3a.

Subd. 2. **Program.**

The commissioner shall encourage the development of permanent local recycling programs throughout the metropolitan area. The commissioner shall make grants to qualifying metropolitan counties as provided in this section.

Subd. 3. **Grants; eligible costs.**

Grants may be used to pay for planning, developing, and operating yard waste composting and recycling programs.

Subd. 4. **Grant conditions.**

The commissioner shall administer grants so that the following conditions are met:

(a) A county must apply for a grant in the manner determined by the commissioner. The application must describe the activities for which the grant will be used.

(b) The activities funded must be consistent with the metropolitan policy plan and the county master plan.

(c) A grant must be matched by equal local expenditures for the activities for which the grant is made. A local expenditure may include, but is not limited to, an expenditure by a local unit of government, tribal government, or private sector or nonprofit organization.

(d) All grant funds must be used for new activities or to enhance or increase the effectiveness of existing activities in the county. Grant funds shall not be used for research or development of a product that would be patented, copyrighted, or a subject of trade secrets.

(e) Counties shall provide support to maintain effective municipal recycling where it is already established.

Subd. 5. **Grant allocation procedure.**

(a) The commissioner shall distribute the funds annually so that each qualifying county receives an equal share of 50 percent of the allocation to the program described in this section, plus a proportionate share of the remaining funds available for the program. A county's proportionate share is an amount that has the same proportion to the total remaining funds as the number of households in the county has to the total number of households in all metropolitan counties.

(b) To qualify for distribution of funds, a county, by April 1 of each year, must submit to the commissioner for approval a report on expenditures and activities under the program during the preceding fiscal year and any proposed changes in its recycling implementation strategy or performance funding system. The report shall be included in the county report required by section 473.803, subdivision 3.

History: *1987 c 348 s 46; 1989 c 325 s 63; 1993 c 249 s 41; 1995 c 247 art 2 s 47-49; 1Sp2005 c 1 art 2 s 161; 2016 c 158 art 1 s 194; 2018 c 134 s 1*

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Minn. Stat. § 473.848 RESTRICTION ON DISPOSAL.

Subdivision 1. **Restriction.**

(a) For the purposes of implementing the waste management policies in section 115A.02 and metropolitan area goals related to landfill abatement established under this chapter, a person may not dispose of unprocessed mixed municipal solid waste generated in the metropolitan area at a waste disposal facility unless the waste disposal facility meets the standards in section 473.849 and:

(1) the waste has been certified as unprocessible by a county under subdivision 2; or

(2)(i) the waste has been transferred to the disposal facility from a resource recovery facility;

(ii) no other resource recovery facility serving the metropolitan area is capable of processing the waste; and

(iii) the waste has been certified as unprocessible by the operator of the resource recovery facility under subdivision 3.

(b) For purposes of this section, mixed municipal solid waste does not include street sweepings, construction debris, mining waste, foundry sand, and other materials, if they are not capable of being processed by resource recovery as determined by the council.

Subd. 2. **County certification; office approval.**

(a) By April 1 of each year, each county shall submit an annual certification report to the office detailing:

(1) the quantity of waste generated in the county that was not processed prior to transfer to a disposal facility during the year preceding the report;

(2) the reasons the waste was not processed;

(3) a strategy for development of techniques to ensure processing of waste including a specific timeline for implementation of those techniques; and

(4) any progress made by the county in reducing the amount of unprocessed waste.

The report shall be included in the county report required by section 473.803, subdivision 3.

(b) The Pollution Control Agency shall approve a county's certification report if it determines that the county is reducing and will continue to reduce the amount of unprocessed waste, based on the report and the county's progress in development and implementation of techniques to reduce the amount of unprocessed waste transferred to disposal facilities. If the Pollution Control Agency does not approve a county's report, it shall negotiate with the county to develop and implement specific techniques to reduce unprocessed waste. If the Pollution Control Agency does not approve two or more consecutive reports from any one county, the Pollution Control Agency shall develop specific reduction techniques that are designed for the particular needs of the county. The county shall implement those techniques by specific dates to be determined by the Pollution Control Agency.

Subd. 3. **Facility certification.**

The operator of each resource recovery facility that receives waste from counties in the metropolitan area shall certify as unprocessible each load of mixed municipal solid waste it does not process. Certification must be made to each county that sends its waste to the facility at intervals specified by the county. Certification must include at least the number and size of loads certified as unprocessible and the reasons the waste is unprocessible. Loads certified as unprocessible must include the loads that would otherwise have been processed but were not processed because the facility was not in operation,

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but nothing in this section relieves the operator of its contractual obligations to process mixed municipal solid waste.

Subd. 4. **Pollution Control Agency report.**

The Pollution Control Agency shall include, as part of its report to the Environment and Natural Resources Committees of the senate and house of representatives, the Finance Division of the senate Committee on Environment and Natural Resources, and the house of representatives Committee on Environment and Natural Resources Finance required under section 473.149, an accounting of the quantity of unprocessed waste transferred to disposal facilities, the reasons the waste was not processed, a strategy for reducing the amount of unprocessed waste, and progress made by counties to reduce the amount of unprocessed waste. The Pollution Control Agency may adopt standards for determining when waste is unprocessible and procedures for expediting certification and reporting of unprocessed waste.

Subd. 5. **Definition.**

For the purpose of this section, waste is "unprocessed" if it has not, after collection and before disposal, undergone separation of materials for resource recovery through recycling, incineration for energy production, production and use of refuse-derived fuel, composting, or any combination of these processes so that the weight of the waste remaining that must be disposed of in a mixed municipal solid waste disposal facility is not more than 35 percent of the weight before processing, on an annual average.

History:

1985 c 274 s 35; 1989 c 325 s 66; 1991 c 337 s 81,82; 1993 c 249 s 43,44; 1994 c 585 s 49,50; 1995 c 247 art 2 s 51,52; 1996 c 470 s 27; 1Sp2005 c 1 art 2 s 161

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CHAPTER 16C. STATE PROCUREMENT

Minn. Stat. § 16C.05 CONTRACT MANAGEMENT; VALIDITY AND REVIEW.

Subdivision 1. **Agency cooperation and delegation.**

Agencies shall fully cooperate with the commissioner in the creation, management, and oversight of state contracts. Authority delegated to agencies shall be exercised in the name of the commissioner and under the commissioner's direct supervision and control. A delegation of duties may include, but is not limited to, allowing individuals within agencies to acquire goods, services, construction, and utilities within dollar limitations and for designated types of acquisitions. Delegation of contract management and review functions must be filed with the secretary of state. The commissioner may withdraw any delegation at the commissioner's sole discretion. The commissioner may require an agency head or subordinate to accept delegated responsibility to procure goods, services, or construction intended for the exclusive use of the agency receiving the delegation.

Subd. 2. **Creation and validity of contracts.**

(a) A contract and amendments are not valid and the state is not bound by them and no agency, without the prior written approval of the commissioner granted pursuant to subdivision 2a, may authorize work to begin on them unless:

(1) they have first been executed by the head of the agency or a delegate who is a party to the contract;

(2) they have been approved by the commissioner; and

(3) the accounting system shows an encumbrance for the amount of the contract liability, except as allowed by policy approved by the commissioner and commissioner of management and budget for routine, low-dollar procurements and section 16B.98, subdivision 11.

(b) Grants, interagency agreements, purchase orders, work orders, and annual plans need not, in the discretion of the commissioner and attorney general, require the signature of the commissioner and/or the attorney general. A signature is not required for work orders and amendments to work orders related to Department of Transportation contracts. Bond purchase agreements by the Minnesota Public Facilities Authority do not require the approval of the commissioner.

(c) Amendments to contracts must entail tasks that are substantially similar to those in the original contract or involve tasks that are so closely related to the original contract that it would be impracticable for a different contractor to perform the work. The commissioner or an agency official to whom the commissioner has delegated contracting authority under section 16C.03, subdivision 16, must determine that an amendment would serve the interest of the state better than a new contract and would cost no more.

(d) A record must be kept of all responses to solicitations, including names of bidders and amounts of bids or proposals. A fully executed copy of every contract, amendments to the contract, and performance evaluations relating to the contract must be kept on file at the contracting agency for a time equal to that specified for contract vendors and other parties in subdivision 5. These records are open to public inspection, subject to section 13.591 and other applicable law.

(e) The attorney general must periodically review and evaluate a sample of state agency contracts to ensure compliance with laws.

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(f) Before executing a contract or license agreement involving intellectual property developed or acquired by the state, a state agency shall seek review and comment from the attorney general on the terms and conditions of the contract or agreement.

Subd. 2a. **Emergency authorization.**

The commissioner may grant an agency approval to authorize work to begin on a contract prior to the full execution of the contract in the event of an emergency as defined in section 16C.10, subdivision 2.

Subd. 3.

[Repealed by amendment, 2014 c 196 art 2 s 4]

Subd. 4. **Contract administration.**

A contracting agency shall diligently administer and monitor any contract it has entered into. The commissioner may require an agency to report to the commissioner at any time on the status of any contracts to which the agency is a party.

Subd. 5. **Subject to audit.**

A contract or any pass-through disbursement of public funds to a vendor of goods or services or a grantee made by or under the supervision of the commissioner or any county or unit of local government must include, expressed or implied, an audit clause that provides that the books, records, documents, and accounting procedures and practices of the vendor or other party, that are relevant to the contract or transaction, are subject to examination by the contracting agency and either the legislative auditor or the state auditor, as appropriate, for a minimum of six years. If the contracting agency is a local unit of government, and the governing body of the local unit of government requests that the state auditor examine the books, records, documents, and accounting procedures and practices of the vendor or other party pursuant to this subdivision, the contracting agency shall be liable for the cost of the examination. If the contracting agency is a local unit of government, and the grantee, vendor, or other party requests that the state auditor examine all books, records, documents, and accounting procedures and practices related to the contract, the grantee, vendor, or other party that requested the examination shall be liable for the cost of the examination. An agency contract made for purchase, lease, or license of software and data from the state is not required to contain this audit clause.

Subd. 6. **Authority of attorney general.**

The attorney general may pursue remedies available by law to avoid the obligation of an agency to pay under a contract or to recover payments made if services performed or goods received under the contract are so unsatisfactory, incomplete, or inconsistent that payment would involve unjust enrichment. The contrary opinion of the contracting agency does not affect the power of the attorney general under this subdivision.

Subd. 7. **Contracts with Indian tribes and bands.**

Notwithstanding any other law, an agency may not require an Indian tribe or band to deny its sovereignty as a requirement or condition of a contract with an agency.

History:

1994 c 632 art 3 s 33; 1998 c 386 art 1 s 6; 1999 c 86 art 1 s 11; 1999 c 230 s 1; 2000 c 488 art 2 s 1; 1Sp2001 c 8 art 2 s 10; 1Sp2001 c 10 art 2 s 37; 2003 c 130 s 12; 1Sp2003 c 1 art 2 s 48,49; 2004 c 206 s 7; 2007 c 148 art 2 s 35,36; 2009 c 101 art 2 s 109; 2014 c 187 s 3; 2014 c 196 art 1 s 5; art 2 s 4

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2024 Anoka County Municipal Waste Abatement Grant Funding Award Letter

Contract number: C0010120

The Municipality of Ramsey is eligible for a total of $94,475.00 for their Municipal program abatement efforts in 2024, plus if awarded upon request up to an additional $20,000.00.

The total funding for the 2024 Residential Recycling Program is based on the budgeted amounts stated in the Municipal Waste Abatement Grant Funding Application.

The Grant Funding Award for Ramsey is as follows:

	Amount Eligible	Amount Requested	Amount Awarded
Base Funding Allocation	$ 59,625.00	$ 37,925.00	$ 37,925.00

	Amount Eligible	Amount Requested	Amount Awarded
Drop-off Grant	$ 15,000.00	$ -	$ -
General Enhancement Grant	$ 9,925.00	$ 9,925.00	$ 9,925.00
Organics Grant	$ 9,925.00	$ 6,000.00	$ 6,000.00
Labor & Staffing	$ -	$ 15,500.00	$ 15,500.00
Total (Base + Enhancement Funding + Labor & Staffing)	$ 94,475.00	$ 69,350.00	$ 69,350.00
Supplemental Funding	$ -	$ -	$ -
Total Funding Award (Base + Enhancement + Labor & Staffing and Supplemental)			**$ 69,350.00**

To the extent that the Municipality requested funds in excess of the total eligible amount, the excess amount in any category is denied.

The annual tonnage goal for Ramsey is: 3,100 tons

Reviewed by: Jill Curran Dated: 09/08/23

Approved by: Alison Peterson Dated: 09/08/2023

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Anoka County Municipal Waste Abatement Grant Funding Application

Cycle: *Annual* | Year: *2023* | Status: *Verified*

Member Name: *City of Ramsey*

2024 Applications are due June 2, 2023.

City of Ramsey is requesting the following funding for their 2024 Anoka County municipal waste abatement program efforts.

General Instructions

This application is provided to each municipality in Anoka County for funds to support and increase recycling activities and programs within the municipality.

The funds allocated in this application are based on the number of households in the municipality. The number of households is determined using the most current Met Council household data available. For calendar year 2024, 2021 Met Council data has been used to determine the number of households for this application.

There are three sections in this funding application:
- Base Funding
- Enhancement Funding
- Supplemental Funding

The Enhancement Funding section of the application also has three parts:
- Drop-off
- General Enhancement
- Organics Program Funding

Please complete each section of the grant application. A number value must be entered in each field before submitting the application. If no funds are being requested for any given field, enter a zero. **If a completed funding application isn't submitted by June 2, 2023, the municipality will not be eligible for funding.**

In a separate Re-TRAC form, reimbursement requests will be submitted twice a year.

USER TIPS

To contact support from within this form: Click "Support" at the top of the screen or "Program Support Request" in the green bar at the top of the form.

To print this form: Click the "Export" button found on upper top right corner of the form. You must save the form before you can export it.

To see eligible expenses within each section: Click "view eligible expense" in each section.

Click here to download the full Eligible Expenses document.

To save this form while working on it: Click "Save" at the bottom of the form and select "Save as Draft".

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To submit this form: Click "Save" at the bottom of the form and if there are no errors, click the "Mark as Complete" option. Note that once you mark the form as complete, you cannot make changes to it.

Eligible Expenses

The following items are examples of eligible expenses allowed for reimbursement.

Collection Expenses: If residents are charged recycling fees for curbside or recycling events, waste abatement funds will reimburse the difference between the fees collected and the cost of recycling or composting the materials.

Equipment: The cost to purchase, maintain and repair equipment that is used exclusively to operate the recycling or composting program.

Containers: The cost for recycling or organics containers.

Promotion: The entire cost of a publication if totally dedicated to waste reduction, recycling or composting information or a percentage of the cost for the portion of a municipal publication dedicated to waste management information.

Staffing: Labor and staffing directly related to recycling program administration and implementation may be funded up to 75% of total funding allocation. See Labor & Staffing section below for more information.

Ineligible Expenses

The following general operating expenses should NOT be submitted for reimbursement.

Standard Operational Expenses/Building Overhead: Since most of the municipal recycling coordinators are part-time positions and staff serve multiple roles at the municipality, standard operating expenses including office space rental, leasing office equipment and general office supplies, are not eligible for reimbursement.

Project Expenses: Specific to transportation, energy or ground water protection.

Collection Costs: The costs for general waste and recycling collection at municipal buildings, trash costs when advertised as being accepted at a recycling/cleanup day, and costs associated with road side cleanup of illegally dumped materials should not be included in this application.

General Municipal Staff: Staff time related to standard municipal operations (city administrator, office administration, facilities management, finance and legal staff) are not eligible for reimbursement. If municipal staff do not assist the recycling coordinator directly on activities to help the municipality achieve its recycling goal, e.g. communications and collecting, processing or marketing recyclable materials and organics, their time will not be reimbursed.

Click here to view previous years application:

Click here to download the full Eligible Expenses document.

2024 Total Funding Allocation

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Your Community has access to the following funds for 2024: $ 94,475.00

(An additional $20,000 in discretionary funds may be available through the Supplemental Funding section.)

2024 BASE Funding Allocation

All municipalities are eligible for base waste abatement grant funding. When completing this application, base funding requests should fall under one of the following categories:

- regular curbside collection,
- general operations of a drop-off center,
- costs for spring and fall recycling days,
- basic promotion,
- yard waste collection and
- percentage of time the recycling coordinator spends on waste abatement activities.

Base Funding is $10,000.00 base, plus $5.00/household (household counts are based on 2021 Met Council estimates)

Municipality Name:

City of Ramsey

MANAGE ONLY

# of households 9,925

Base Funding $ 10,000.00

Base Funding Additional (based on $5/household) $ 49,625.00

Total Base Funding Allocation $ 59,625.00

Curbside Collection

Complete ALL required fields below, if value is zero, enter "0.00".

Click here to download the Curbside Collection Eligible Expenses document.

Collection Service Provider Expenses * $ 452,000.00

Contamination Fees * $ 0.00

Additional Expenses * $ 6,625.00

Curbside Collection Expense Subtotal $ 458,625.00

Estimated Revenue * $ 452,000.00

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Curbside Collection Expenses $

6,625.00 *Negative values here will not carry forward to other sections.*

General Operations of a Drop-Off Center/Spring or Fall Recycling Day(s)

Click here to download the General Operations of a Drop-off Center/Spring or Fall Recycling Days Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

DO NOT include any expenses for tires, oil, antifreeze & oil filters. These expenses should be listed in the Problem Materials section.

Collection Service Provider Expenses * $ 3,000.00

Equipment * $ 1,000.00

Facility Expenses * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

General Operations of a Drop-off Expense Subtotal $

4,000.00

Estimated Revenue * $ 0.00

General Operations of a Drop-off Expenses $

4,000.00 *Negative values here will not carry forward to other sections.*

Promotion -- Base Funding

Click here to download the Promotion Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Printing * $ 10,200.00

Postage * $ 9,700.00

Advertising * $ 0.00

Volunteer Incentives * $ 0.00

Educational Entertainment * $ 500.00

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Promotion -- Base Funding Expenses $

20,400.00

Yard Waste/Tree Waste

Click here to download the Yard/Tree Waste Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 0.00

Equipment * $ 0.00

Yard Waste/Tree Waste Expenses Subtotal $

0.00

Estimated Revenue * $ 0.00

Yard Waste/Tree Waste Expenses $

0.00 *Negative values here will not carry forward to other sections.*

Problem Materials (Tires, Oil, Antifreeze, and Oil Filters)

Click here to download the Problem Materials Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Service Provider Expenses * $ 0.00

Estimated Revenue * $ 0.00

Problem Material Expenses $

0.00 *Negative values here will not carry forward to other sections.*

Program Administration -- Base Funding

Click here to download the Program Administration Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Office supplies * $ 100.00

Training * $ 500.00

Mileage * $ 0.00

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Membership Dues, Periodicals *	$ 300.00
Professional Services *	$ 6,000.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Program Administration- Base Funding Expenses $

6,900.00

Total BASE Funding Requested	$ 37,925.00
Funding Remaining	$ 56,550.00

2024 ENHANCEMENT Funding Allocation

The purpose of the Anoka County Municipal Waste Abatement grant funding program is to increase recycling and organics diversion and help the County achieve the State mandated goal of 75% recycling/composting by 2030. The County recognizes that this funding is needed to support established infrastructure costs that exceed the Base and each communities funding. To be eligible for grant funds, municipalities must apply for these funds. Applicants must itemize expenditures within each of the three grant sections, Drop-off, General Enhancement and Organics Program, below and calculate the total grant request for each category.

Drop-off Grant

This grant is allocated to cover additional drop-off center costs or events beyond the regularly scheduled spring and fall recycling days.

The grant for this section is $10,000.00 for municipalities with up to 4,999 households and $15,000.00 for municipalities with household counts 5,000 and over.

Below are examples of materials that can be collected for reuse or recycling. Only list organics expenses in the organics section.

Additional Reusable or Recyclable Materials Collected at Permanent Drop-off Centers or Special Events:
Appliances, Electronics, Mattresses*, Confidential Document Destruction, Fluorescent Bulbs, Household Batteries, Fire Extinguishers, Propane Tanks, Bicycles**, and Clothing**.

Additional Items:
Block and Shape Polystyrene, Cell Phones, Film Plastic/Bags, Furniture* **, Household Goods**, String Lights/Extension Cords, Printer Cartridges

* None of these materials should be advertised as being collected on a Recycling Day and then disposed of as trash
** Items that should be evaluated for reuse prior to recycling

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Drop-off Grant Amount Available $

15,000.00

Click here to download the Drop-off Eligible Expenses document.

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Permanent Drop-off Center Enhancements

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 0.00

New Equipment & Supplies * $ 0.00

New Construction * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Permanent Drop-off Center Enhancement Expenses Subtotal $

0.00

Estimated Revenue * $ 0.00

Permanent Drop-off Center Enhancement Expenses $

0.00 *Negative values here will not carry forward to other sections.*

Monthly or Quarterly Drop-off Events

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 0.00

New Equipment & Supplies * $ 0.00

User Coupon Incentives * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Monthly or Quarterly Drop-off Events Expense Subtotal $

0.00

Estimated Revenue * $ 0.00

Monthly or Quarterly Drop-off Event Expenses $

0.00 *Negative values here will not carry forward to other sections.*

Total Drop-off Grant Requested $

General Enhancement Grant

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The grant amount available for this section is calculated using $1.00/household.

General Enhancement Grant Amount Available $

9,925.00

Click here to download the General Enhancement Eligible Expenses document.

Park Recycling

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 2,000.00

Recycling Containers * $ 0.00

Recycling Bags * $ 1,500.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Park Recycling Expenses $

3,500.00

Special Municipal Programs or Events - Please list any organics expenses in the organics section.

Complete ALL required fields below, if value is zero, enter "0.00".

Service Provider Expenses * $ 500.00

Supplies & Containers * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Special Municipal Program or Event Expenses Subtotal $

500.00

Estimated Revenue * $ 0.00

Special Municipal Program or Event Expenses $

500.00 *Negative values here will not carry forward to other sections.*

Special Curbside Recycling Collection

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 0.00

Subsidy to Resident * $ 5,925.00

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Special Curbside Recycling Collection Expenses Subtotal $

5,925.00

Estimated Revenue * $ 0.00

Special Curbside Recycling Collection Expenses $

5,925.00 *Negative values here will not carry forward to other sections.*

Multi-Family Recycling Outreach

Complete ALL required fields below, if value is zero, enter "0.00".

Supplies & Containers * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Multi-Family Recycling Outreach Expenses $

0.00

Promotion -- Enhancement Funding

Complete ALL required fields below, if value is zero, enter "0.00".

Printing * $ 0.00

Postage * $ 0.00

Advertising * $ 0.00

Volunteer Incentives * $ 0.00

Educational Entertainment * $ 0.00

Promotion -- Enhancement Funding Expenses $

0.00

Total General Enhancement Grant Requested $

9,925.00

Organics Program Grant

The grant amount for this section is $0.50/household if additional curbside or drop-off grant programs are not offered to residents or $1.00/household if curbside or drop-off organics programs are offered to residents.

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Does your municipality offer curbside or drop-off organics programs to your residents? *

- (●) Yes
- ( ) No

Amount Available $ 9,925.00

Click here to download the Oranics Eligible Expenses document.

Organics Program Expenses

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 6,000.00

Organics Equipment * $ 0.00

Organics Only - Promotion * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Organics Program Expenses Subtotal $ 6,000.00

Estimated Revenue * 0.00

Organics Program Expenses $ 6,000.00

Negative values here will not carry forward to other sections.

Total ENHANCEMENT Funding Requested $ 15,925.00

Labor & Staffing (All Programs)

Salary and labor expenses must be directly related to recycling program operations and administration. These expenses may be funded up to 75% of funding allocation (not including supplemental funding). The final % and expense amount for salary and labor will be determined after Anoka County approves the submitted staffing and labor metric.

Upload 2024 Staffing Metric and Drop-off Calculator *
2024 Staffing Metric and Drop-off Calculator.xlsx

Upload a scanned pdf of recent promotion for your current curbside or drop-off opportunities. It can be from a brochure, newsletter or from your website, for how your special curbside collection program works, and/or what is accepted at your city or town offices (during business hours), spring recycling event, permanent drop-off centers or other drop-off events. *
combined promo info.pdf

Click here to download the Curbside Collection Eligible Expenses document.

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Admin only: The approved Labor and Staffing % from your 2023 Staffing Metric has been inserted to provide an estimate of typical Labor and Staffing costs for your community. In general, this percentage has not changed much over the last two years. If your 2024 Staffing Metric % increases due to program changes, this will be taken into consideration to raise the %.

61 %

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Labor & Staffing Maximum Funds Available $

57,629.750

General Program Administration * $ 13,000.00

Program Implementation * $ 2,500.00

Total Labor & Staffing Expenses Requested: $ 15,500.00

Supplemental Funding Request

Supplemental grant funding is currently available to help support municipal waste abatement programs and/or new program development. Supplemental funding, however, should not be depended on for long-term program sustainability. Before requesting supplemental additional grant program dollars, it is critical that your municipality is willing to support and sustain the services before implementation.

Please be aware that there is a limited amount of supplemental funding available for this section. If the County receives more funding requests than funds, the funds may be reduced or denied for a municipalities supplemental funding request. Grants will be evaluated based on which projects best help the County meet the State mandated goal of 75% by 2030.

The maximum supplemental grant available may be up to $20,000.00 per municipality.

Supplemental Funding – may include:
- Collection service provider expenses for additional materials
- Additional expenses from construction and paving projects
- Large equipment purchases
- New program expenses

Do you need additional funds to grow existing waste abatement programs? *

○ Yes ◉ No

Summary of Funding Requested

Base Funding Requested $ 37,925.00

Enhancement Funding Requested

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Drop-off Grant Requested $

General Enhancement Grant Requested $ 9,925.00

Organics Program Grant Requested $ 6,000.00

Total Enhancement Funding Requested $

15,925.00

Labor & Staffing Funding Requested $ 15,500.00

Supplemental Funding Requested $

Total Funding Requested

$

69,350.00

Date: * 05/30/2023

Name: * Chris Anderson

Title: * Senior Planner

Total Funding Granted

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Base Funding Granted 37,925.00

MANAGE ONLY

Drop-off Funding Granted

MANAGE ONLY

General Enhancement Funding Granted 9,925.00

MANAGE ONLY

Organics Program Funding Granted 6,000.00

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Labor & Staffing Funding Granted	15,500.00

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Supplemental Funding Granted	

Total Funding Granted $ 69,350.00

MANAGE ONLY

Office Use Only

Received By: Sue Doll

Date: 05/30/2023

Manager Notes for Reporters:

Not requesting $25,125.00 of available funds.

Created: Apr 28, 2023 at 03:46 PM CDT

Robin WodziakRobin.Wodziak@co.anoka.mn.us

Last Updated: Jun 29, 2023 at 07:22 PM CDT

Sue DollSue.Doll@co.anoka.mn.us

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Contract# C0010120

ANOKA COUNTY HUMAN SERVICES
CONTRACTOR INFORMATION SHEET

Please review the following information for accuracy and completeness, indicate any changes, sign and return to:

Angie Rodine
Anoka County Human Services
2100 3rd Ave, Suite 500
Anoka, MN 55303

LEGAL NAME FOR CONTRACTOR: Ramsey, City of
(Legal name and name on Certificate of Insurance must be exactly the same in order for County Signatures to be obtained on the Contract.)

Doing Business As: Ramsey, City of

Business/Corporate Address: 7550 Sunwood Drive NW

Ramsey, MN 55303

National Provider Identification (NPI) #: NA

Federal Tax Identification #: 41-0910467
NOTICE: Federal Business Tax ID/Social Security Number is needed for tax purposes as mandated by Section 1211 of the Tax Reform Act of 1976 and Minn. Stat 270.66. This information will be shared with the Minnesota Department of Revenue, the Minnesota Department of Human Services, the Internal Revenue Service, and the U.S. Department of Health, Education and Welfare for the purposes of administering the income tax, child support obligation and social security tax programs.

Individual who Contractor is designating to receive notice under the contract and to act as the responsible authority for data requests under the Minnesota government data practices act (Minn. Stat. Chap. 13):

Name:	Phone:	Fax:	Email:
Chris Anderson	763-433-9817	763-427-5543	canderson@cityoframsey.com

Signature (Required): DocuSigned by: Chris Anderson 024EA2BB5DF648C... **Date:** 9/19/2023

Insurance Agency: _____ **Name of Agent:** _____

Telephone Number of Insurance Agent: _____

Person Completing this Form:

Name: Chris Anderson Title: Senior Planner

Phone: 763-433-9817 Fax: 763-433-9848 Email: canderson@cityoframsey.com

DocuSign

Certificate Of Completion

Envelope Id: E1227292CABD4035907556C5CB154254
Subject: City of Ramsey SCORE Contract# C0010120
Source Envelope:
Document Pages: 47 Signatures: 2
Certificate Pages: 5 Initials: 0
AutoNav: Enabled
EnvelopeId Stamping: Enabled
Time Zone: (UTC-06:00) Central Time (US & Canada)

Status: Sent

Envelope Originator:
Angie Rodine
Anoka County Government Center
2100 3rd Avenue
Anoka, MN 55303
angela.rodine@co.anoka.mn.us
IP Address: 156.98.106.233

Record Tracking

Status: Original
9/14/2023 3:00:22 PM
Security Appliance Status: Connected
Storage Appliance Status: Connected

Holder: Angie Rodine
angela.rodine@co.anoka.mn.us
Pool: StateLocal
Pool: HS-Public Health & Environmental Services

Location: DocuSign

Location: DocuSign

Signer Events	Signature	Timestamp
Chris Anderson canderson@cityoframsey.com Security Level: Email, Account Authentication (None)	DocuSigned by: Chris Anderson 024EA2BB5DF648C... Signature Adoption: Pre-selected Style Using IP Address: 156.142.37.94	Sent: 9/14/2023 3:06:21 PM Viewed: 9/19/2023 8:05:01 AM Signed: 9/19/2023 8:10:35 AM
Electronic Record and Signature Disclosure: Accepted: 9/19/2023 8:05:01 AM ID: 1a0b4809-98b8-4f7f-bb46-ae07ce19fd28 Company Name: Anoka County		
Mark Kuzma mkuzma@cityoframsey.com Mayor Security Level: Email, Account Authentication (None)	DocuSigned by: Mark E Kuzma B26F05B441C84AB... Signature Adoption: Drawn on Device Using IP Address: 24.118.210.3 Signed using mobile	Sent: 9/19/2023 8:10:38 AM Viewed: 9/19/2023 9:39:37 AM Signed: 9/19/2023 9:46:47 AM
Electronic Record and Signature Disclosure: Accepted: 9/19/2023 9:39:37 AM ID: 56c3c423-29c1-4ca0-9328-77094b8f52d5 Company Name: Anoka County		
Brian Hagen bhagen@cityoframsey.com Security Level: Email, Account Authentication (None)		Sent: 9/19/2023 9:46:51 AM Viewed: 9/19/2023 12:33:29 PM
Electronic Record and Signature Disclosure: Accepted: 9/19/2023 12:33:29 PM ID: 141e6e8c-f116-4c17-8315-7911c1d2d273 Company Name: Anoka County		
Cindy Cesare Cindy.Cesare@anokacountymn.gov Security Level: Email, Account Authentication (None)		
Electronic Record and Signature Disclosure: Accepted: 9/19/2023 10:44:41 AM ID: d5fe842b-77a5-437c-ac43-d7ce8f59f74f Company Name: Anoka County		

Signer Events	Signature	Timestamp
Rhonda Sivarajah Rhonda.Sivarajah@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Accepted: 9/19/2023 11:24:57 AM ID: da391265-3758-4b0f-b3ab-de8931213622 Company Name: Anoka County		
Kurt Deile Kurt.Deile@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Accepted: 9/19/2023 11:27:48 AM ID: b0607a79-5ee1-4dc4-9938-920f2508f253 Company Name: Anoka County		

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp
Angie Rodine Angela.Rodine@co.anoka.mn.us Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Accepted: 1/8/2021 1:44:58 PM ID: 6e2d50ad-740c-4672-beb3-aa4bab51e013 Company Name: Anoka County		

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp
Jill Rykhus Jill.Rykhus@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via DocuSign		
Jill Rykhus Jill.Rykhus@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via DocuSign		
Emily Peterson Emily.Peterson@anokcountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via DocuSign		

Carbon Copy Events	Status	Timestamp
Robin Wodziak Robin.Wodziak@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via DocuSign		

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	9/14/2023 3:06:21 PM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

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If you decide to receive notices, disclosures and documents from us electronically, you may change your mind and tell us that going forward you want to receive documents only in paper format. Please note, processing time will be slowed down dramatically as we will be required to print and send the document through the mail and await your return of the documents. The process to change the method of receipt is described below.

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Upon your acceptance to receive electronic notifications, all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you will be provided electronically through the DocuSign system. All of the required documents will be provided to you at the address that you have given us.

How to contact Anoka County:

You may change your preferred method of contact whether electronically, or paper copies, or change your email address. You may also request paper copies of certain information from us, or withdraw your prior consent to receive documents. Please use the contact information below for your request and in the body of your correspondence, identify your desired action. If you are

changing an email address, please include your prior email address as well as your new address. If you no longer wish to receive future documents in electronic format, please include that request in the body of your email.

Email: helpdesk@co.anoka.mn.us
Phone: (763) 324-4110
Address: Anoka County Government Center
Attn: Information Technology, #300
2100 3rd Avenue
Anoka, MN 55303

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: https://support.docusign.com/guides/signer-guide-signing-system-requirements.

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By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Anoka County as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Anoka County during the course of your relationship with Anoka County.

Councilmember ___ introduced the following resolution and moved for its adoption:

RESOLUTION #23-234

RESOLUTION TO ENTER INTO A RESIDENTIAL RECYCLING PROGRAM AGREEMENT WITH ANOKA COUNTY TO RECEIVE 2024 SCORE FUNDS

WHEREAS, Anoka County annually receives funding from the State of Minnesota pursuant to Minn. Stat. § 115A.557. This funding is provided by the Select Committee on Recycling and the Environment (SCORE); and

WHEREAS, in 2024, Anoka County will distribute the SCORE funds amongst municipalities using the following formula: a base allocation of $10,000 plus $5.00 per household; and

WHEREAS, in addition to base funding, the City of Ramsey is also eligible for additional targeted program funds to focus on activities such as monthly/quarterly drop-off events, general program enhancements, and organics recycling; and

WHEREAS, the Anoka County Board of Commissioners annually sets recycling goals for municipalities to achieve and the 2024 goals are based on 225 pounds per person for single-family households (up to four [4] units) and 150 pounds per person for multi-unit households (five [5] or more units); and

WHEREAS, the City of Ramsey's recycling goal for 2024 is 3,100 tons; and

WHEREAS, Anoka County wishes to assist municipalities in meeting the recycling goals established by the Anoka County Board of Commissioners by providing SCORE funds to municipalities for solid waste recycling programs; and

WHEREAS, SCORE funding can be, and previously has been, used to implement various components of the City's recycling program including: recycling and waste reduction education and awareness activities, notifying new residents of Ramsey's recycling program, spring and fall recycling events, and to fund the recycling coordinator position; and

WHEREAS, in order to receive SCORE funds, the City of Ramsey must enter into a Residential Recycling Program Agreement with Anoka County.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the Mayor and City Administrator are hereby authorized to sign the Agreement for Residential Recycling Program between the City of Ramsey and Anoka County to receive $69,350.00 of SCORE funds to administer the recycling program in 2024.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Improve the safety and mobility of transportation corridors.

Information

Title

Adopt Resolution #23-236 Accepting Proposals and Awarding Contract for 2023 Additional Pavement Marking Improvements, Improvement Project #23-18

Purpose/Background:

Purpose:

The purpose of this case is to adopt Resolution #23-236 accepting Proposals and awarding a Contract for 2023 Additional Pavement Marking Improvements, Improvement Project #23-18.

Background:

The current 2023 – 2032 Capital Improvement Program (CIP) includes an annual MSA Pavement Marking Improvements project to perform pavement markings on a 7-year cycle, outside of reconstruction and pavement overlays. In the spring numerous streets were discovered to require intense pavement patching, including streets which were initially included in the 2023 MSA Pavement Marking Improvements project scope. Additional streets within the City with existing pavement markings also required pavement patching. To minimize throw-away costs, and keep project costs lower, Staff elected to wait until after pavement patching is complete to perform pavement markings on the street segments impacted by pavement patching as a separate project.

A total of 2.94 miles of public street segments is proposed to receive pavement marking improvements as part of this project. These street segments were selected based on their impacts from the street patching improvements.

Plans for the 2023 Additional Pavement Marking Improvements were prepared in-house as part of Staff's normal duties. A copy of the plans is attached to this case.

Pavement markings are a critical component of driver and pedestrian safety, and are a required maintenance operation per MSA rules and standards.

City Staff sent requests for proposals to five (5) firms. The one (1) proposed quote received is shown below.

Contractor	**Total Quote**
Sir Lines-A-Lot	$36,390.38
Engineer's Estimate	*$43,023.25*

Sir Lines-A-Lot submitted the lowest responsible quote. Based on the submitted quote, Staff recommends accepting the proposal for pavement marking improvements from Sir Lines-A-Lot.

Sir Lines-A-Lot is required to complete their work by October 27, 2023.

Notification:

No notifications were required with this case.

Observations/Alternatives:

Motion to adopt Resolution #23-236 accepting Proposals and awarding a Contract for 2023 Additional Pavement Marking Improvements, Improvement Project #23-18, to Sir Lines-A-Lot for their proposal in the amount of $36,390.38.

Funding Source:

Funding for this work is proposed to come from MSA Maintenance Funds.

Recommendation:

Staff recommends adopting Resolution #23-236 accepting Proposals and awarding a Contract for 2023 Additional Pavement Marking Improvements, Improvement Project #23-18, to Sir Lines-A-Lot for their proposal in the amount of $36,390.38.

Action:

Motion to adopt Resolution #23-236 accepting Proposals and awarding a Contract for 2023 Additional Pavement Marking Improvements, Improvement Project #23-18, to Sir Lines-A-Lot for their proposal in the amount of $36,390.38.

Attachments

23-18 Final Plans

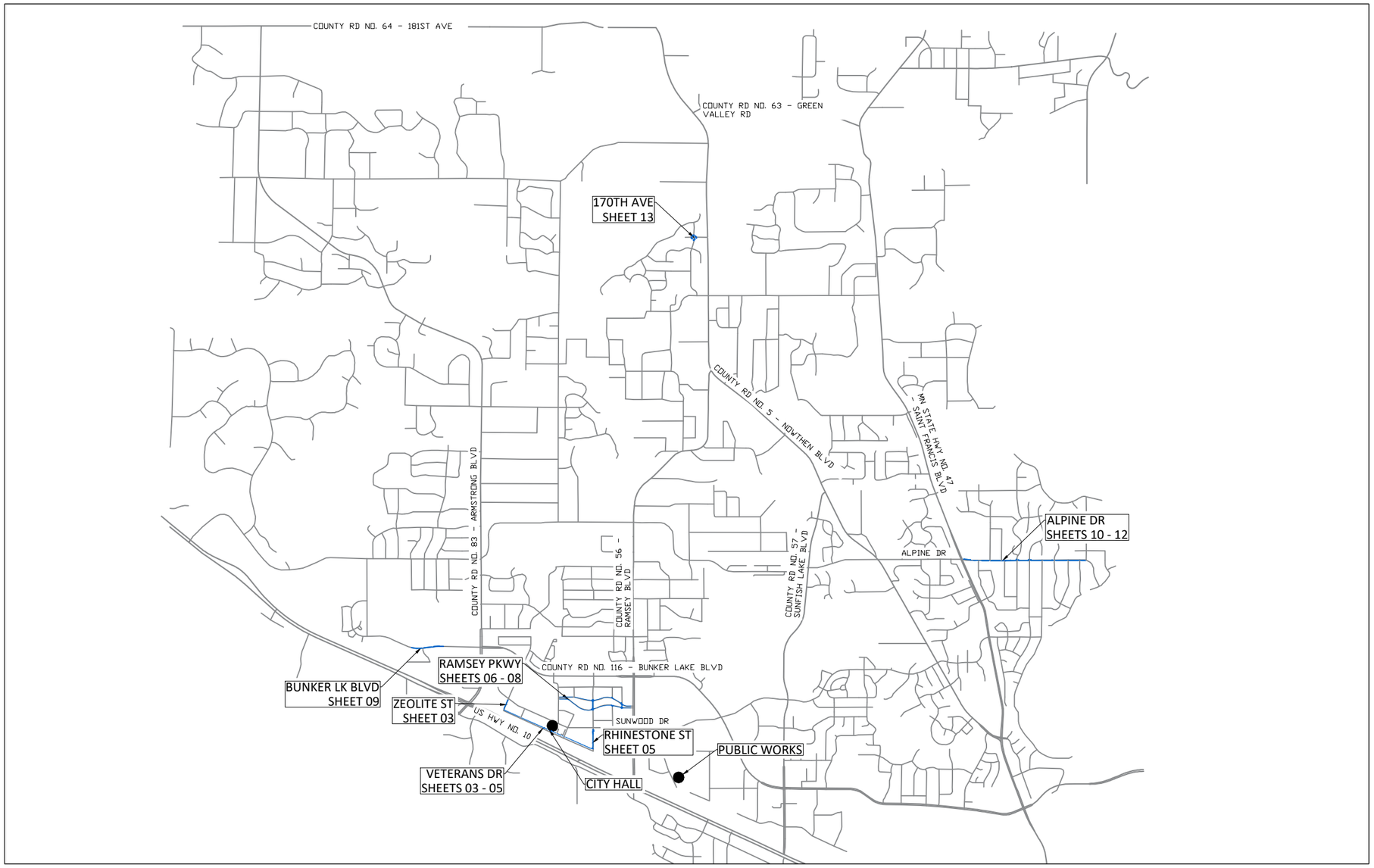
23-18 RFP

Res 23-236

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	09/21/2023 11:01 AM
Bruce Westby	Bruce Westby	09/21/2023 12:16 PM
Brian Hagen	Brian Hagen	09/21/2023 12:49 PM
Form Started By: Joe Feriancek		Started On: 09/18/2023 02:49 PM
Final Approval Date: 09/21/2023		

CITY OF RAMSEY
2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY IMPROVEMENT PROJECT NO. 23-18



0 1500 3000 4500
SCALE (FEET)

N

CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL 1-800-252-1166 OR 651-454-0002

Call before you dig
811
651 454-0002 Metro
800 252-1166 Outstate
www.gopherstateonecall.org

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS" DATED SEPTEMBER 2022 SHALL GOVERN.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

SHEET INDEX

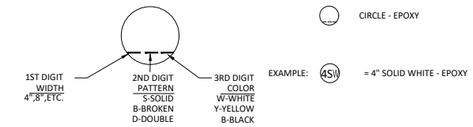
THIS PLAN CONTAINS 13 SHEETS

SHEET No.	DESCRIPTION
01	TITLE SHEET
02	STATEMENT OF ESTIMATED QUANTITIES
03	PAVEMENT MARKING ZEOLITE ST
03 - 05	PAVEMENT MARKING VETERANS DR
05	PAVEMENT MARKING RHINESTONE ST
06 - 08	PAVEMENT MARKING RAMSEY PKWY
09	PAVEMENT MARKING BUNKER LK BLVD
10 - 12	PAVEMENT MARKING ALPINE DR
13	PAVEMENT MARKING 170TH AVE

LEGEND

- PAVEMENT MARKING
- CROSSWALK MARKING
- STOP BAR MARKING
- TURN ARROW
- ONLY MARKING
- YIELD MARKING

STRIPING KEY & LEGEND



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

JOE FERIANCEK, P.E.
CIVIL ENGINEER II

57095 LIC. NO.

DATE 09/07/23

DATE	REVISION

Sep 07, 2023 - 7:31am
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23-18 2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS					
STATEMENT OF ESTIMATED QUANTITIES					
NOTE	ITEM No.	MNDOT No.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
	1	2021.501	MOBILIZATION	LS	1
	2	2563.601	TRAFFIC CONTROL	LS	1
1	3	2582.502	4" DOUBLE SOLID LINE YELLOW (EPOXY)	LF	5,069
	4	2582.502	4" SOLID LINE YELLOW (EPOXY)	LF	733
	5	2582.502	4" SOLID LINE WHITE (EPOXY)	LF	18,830
	6	2582.502	4" BROKEN LINE YELLOW (EPOXY)	LF	900
	7	2582.502	24" SOLID LINE YELLOW (EPOXY)	LF	20
	8	2582.502	24" SOLID LINE WHITE (EPOXY)	LF	135
	9	2582.518	CROSSWALK MARKING (EPOXY)	SF	2,700
	10	2582.602	PAVT MSSG -TURN ARROWS (EPOXY)	EA	9
	11	2582.602	PAVT MSSG - ONLY (EPOXY)	EA	3
	12	2582.602	PAVT MSSG - YIELD (EPOXY)	EA	4

PAY ITEM NOTES:

1. 4" DOUBLE SOLID LINE SHALL BE SPACED 4" APART AS MEASURED AT THE INSIDE EDGES OF THE LINES.

PERMANENT PAVEMENT MARKING GENERAL NOTES AND GUIDELINES:

1. THE ENGINEER'S INVOLVEMENT IN THE APPLICATION OF THE MATERIAL SHALL BE LIMITED TO FIELD CONSULATATION AND INSPECTION. THE CONTRACTOR WILL PLACE NECESSARY "SPOTTING" AT APPROPRIATE POINTS TO PROVIDE HORIZONTAL CONTROL FOR STRIPING TO DETERMINE NECESSARY STARTING AND CUTOFF POINTS. LONGITUDINAL JOINTS, PAVEMENT EDEGES AND EXISTING MARKINGS MAY SERVE AS HORIZONTAL CONTROL WHEN SO DIRECTED.

2. EDGE LINES AND LANE LINES ARE TO BE BROKEN ONLY AT INTERSECTIONS WITH PUBLIC ROADS AND AT PRIVATE ENTRANCES IF THEY ARE CONTROLLED BY A YIELD SIGN, STOP SIGN OR TRAFFIC SIGNAL. THE BREAK POINT IS TO BE AT THE START OF THE RADIUS FOR THE INTERSECTION OR AT MARKED STOP LINES OR CROSSWALKS.

3. TOLERANCE OF 1/4 INCH UNDER OR 1/4 OVER THE SPECIFIED WIDTH WILL BE ALLOWED FOR STRIPING PROVIDED THE VARIATION IS GRADUAL AND DOES NOT DETRACT FROM THE GENERAL APPEARANCE. BROKEN LINE SEGMENTS MAY VARY UP TO 1/2 FOOT FROM THE SPECIFIED LENGTHS PROVIDED THE OVER AND UNDER VARIATIONS ARE REASONABLY COMPENSATORY. ALIGNMENT DEVIATIONS FROM THE CONTROL GUIDE SHALL NOT EXCEED 1 INCH. MATERIAL SHALL NOT BE APPLIED OVER LONGITUDINAL JOINTS. ESTABLISHMENT OF APPLICATION TOLERANCES SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLY AS CLOSELY AS PRACTICABLE WITH THE PLANNED DIMENSIONS.

4. THE ROAD SURFACE SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER JUST PRIOR TO APPLICATION. PAVEMENT CLEANING SHALL CONSIST OF AT LEAST BRUSHING WITH A ROTARY BROOM (NON-METALLIC) OR AS RECOMMENDED BY THE MATERIAL MANUFACTURER AND ACCEPTABLE TO THE ENGINEER. THIS WORK SHALL BE INCIDENTAL TO PAVEMENT MARKING.

5. THE EPOXY MARKING APPLICATION SHALL IMMEDIATELY FOLLOW THE PAVEMENT CLEANING. GLASS BEADS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE EPOXY RESIN LINE TO PROVIDE AN IMMEDIATE NO-TRACK SYSTEM.

6. APPLY EPOXY MARKINGS WITH A MINIMUM THICKNESS OF 20 MILS, GLASS BEADS SHALL BE APPLIED AT A RATE OF AT LEAST 25 LB/GAL. THE "NO-TRACKING" CONDITION SHALL BE DETERMINED ON AN APPLICATION OF SPECIFIED THICKNESS TO THE PAVEMENT AND COVERED WITH GLASS BEADS AT THE RATE OF AT LEAST 25 LB/GAL.

7. OPERATIONS SHALL BE CONDUCTED ONLY WHEN THE ROAD PAVEMENT SURFACE TEMPERATURES ARE 50 DEGREES OR GREATER.

8. PERMANENT PAVEMENT MARKINGS SHALL NOT BE PLACED OVER TEMPORARY TAPE MARKINGS.

DATE	REVISION

Sep 07, 2023 - 8:41am
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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

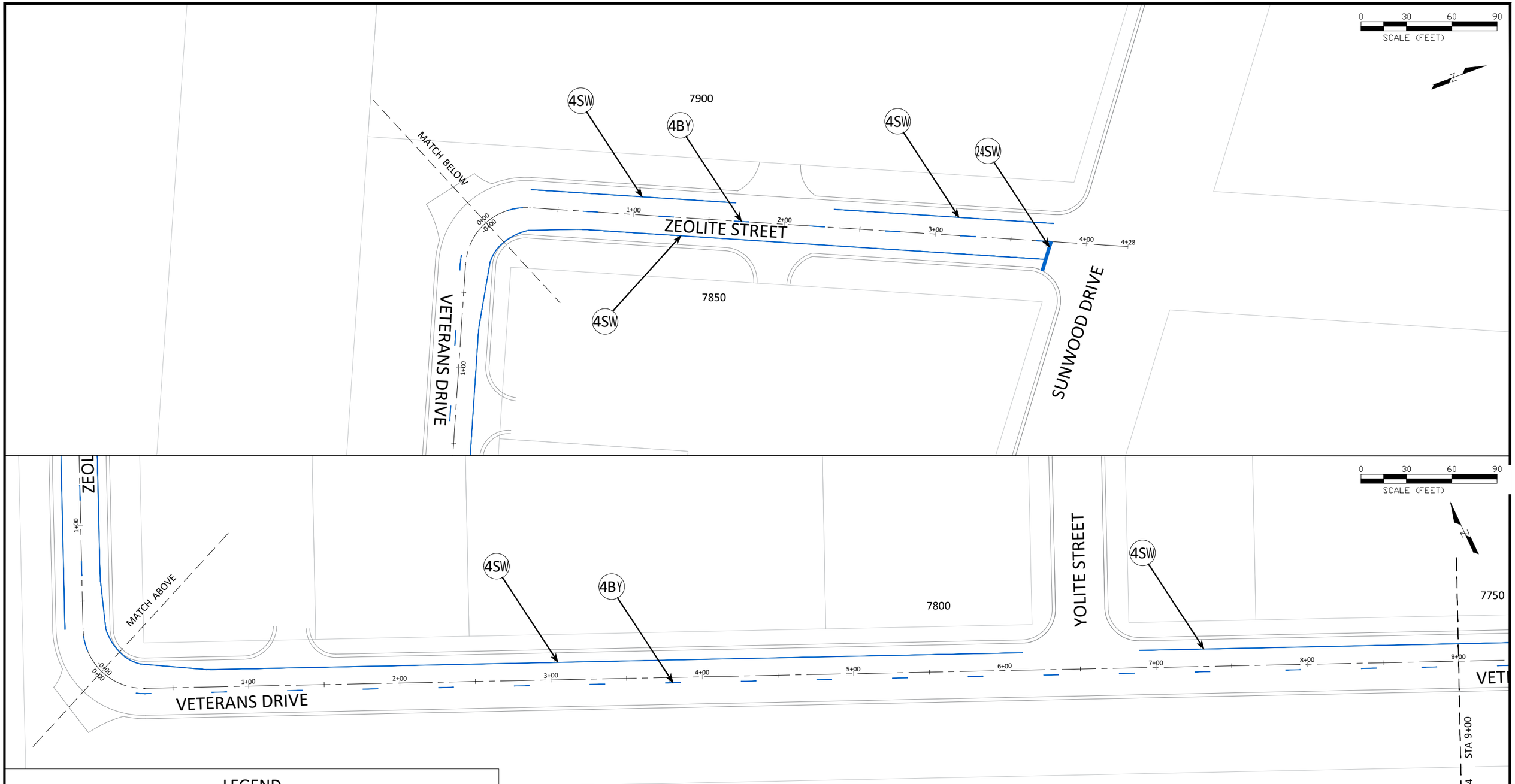
JOE FERIANCEK
Date 09/07/23 Lic. No. 57095

DESIGNED BY:	LWC	
DRAWN BY:	LWC	DATE: 09/07/23
CHECKED BY:	JJF	FILE: 23-18

CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

23-18 STATEMENT OF ESTIMATED QUANTITIES

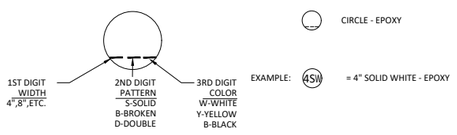
2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA



LEGEND

- PAVEMENT MARKING
- CROSSWALK MARKING
- STOP BAR MARKING
- TURN ARROW

STRIPING KEY & LEGEND



DATE	REVISION

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CHECKED BY:	JJF	FILE: 23-18

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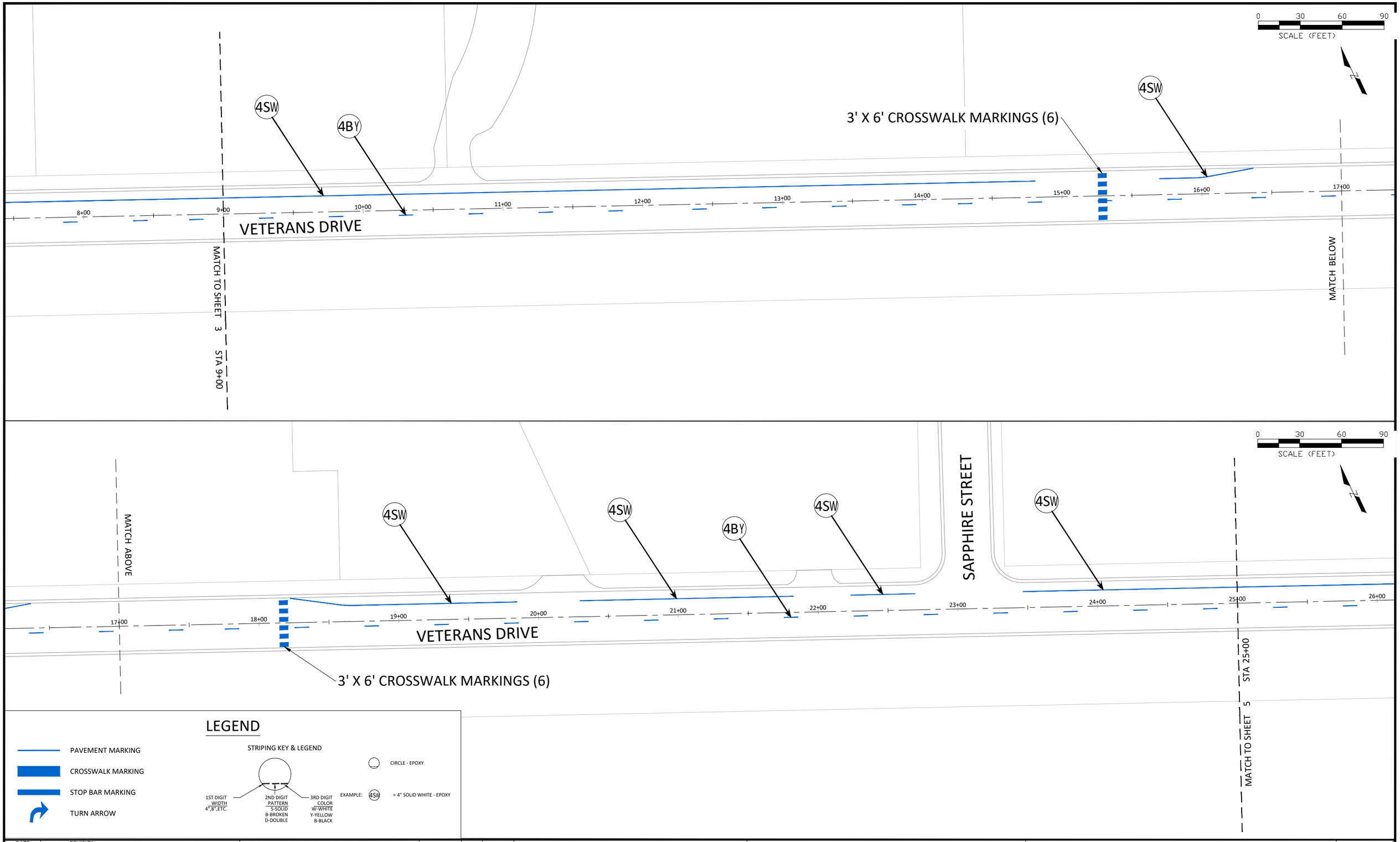
23-18 - PAVEMENT MARKING ZEOLITE ST - VETERANS DR

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA

SHEET 03 OF 13 SHEETS



LEGEND

- PAVEMENT MARKING
- CROSSWALK MARKING
- STOP BAR MARKING
- TURN ARROW

STRIPING KEY & LEGEND

1ST DIGIT WIDTH 4",8",ETC.
2ND DIGIT PATTERN S-SOLID B-BROKEN D-DOUBLE
3RD DIGIT COLOR W-WHITE Y-YELLOW B-BLACK

CIRCLE - EPOXY

EXAMPLE: 4SW = 4" SOLID WHITE - EPOXY

DATE	REVISION

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7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

23-18 - PAVEMENT MARKING VETERANS DR

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
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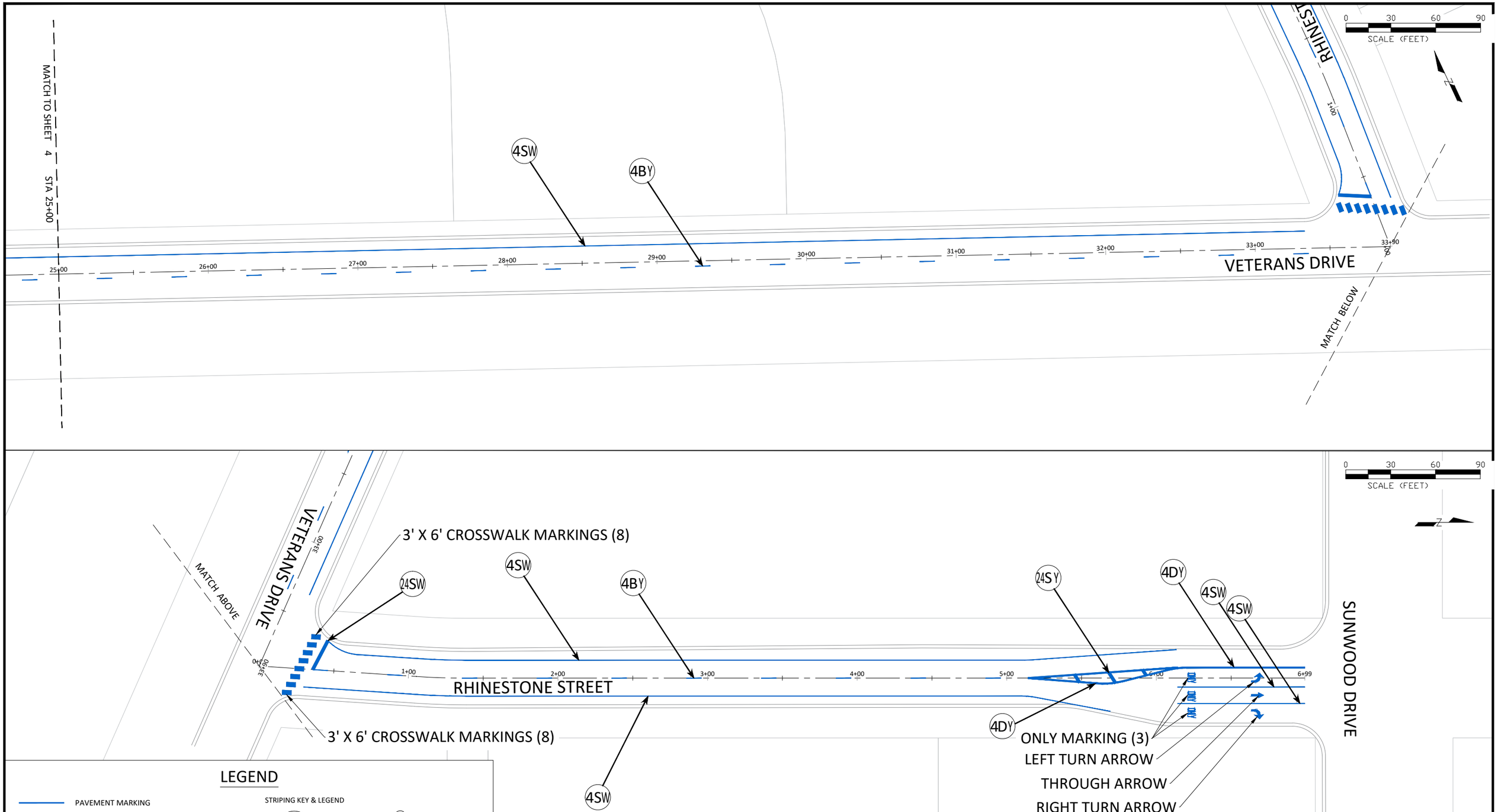
CITY OF RAMSEY, MINNESOTA



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CITY OF RAMSEY
7550 SUNWOOD DRIVE
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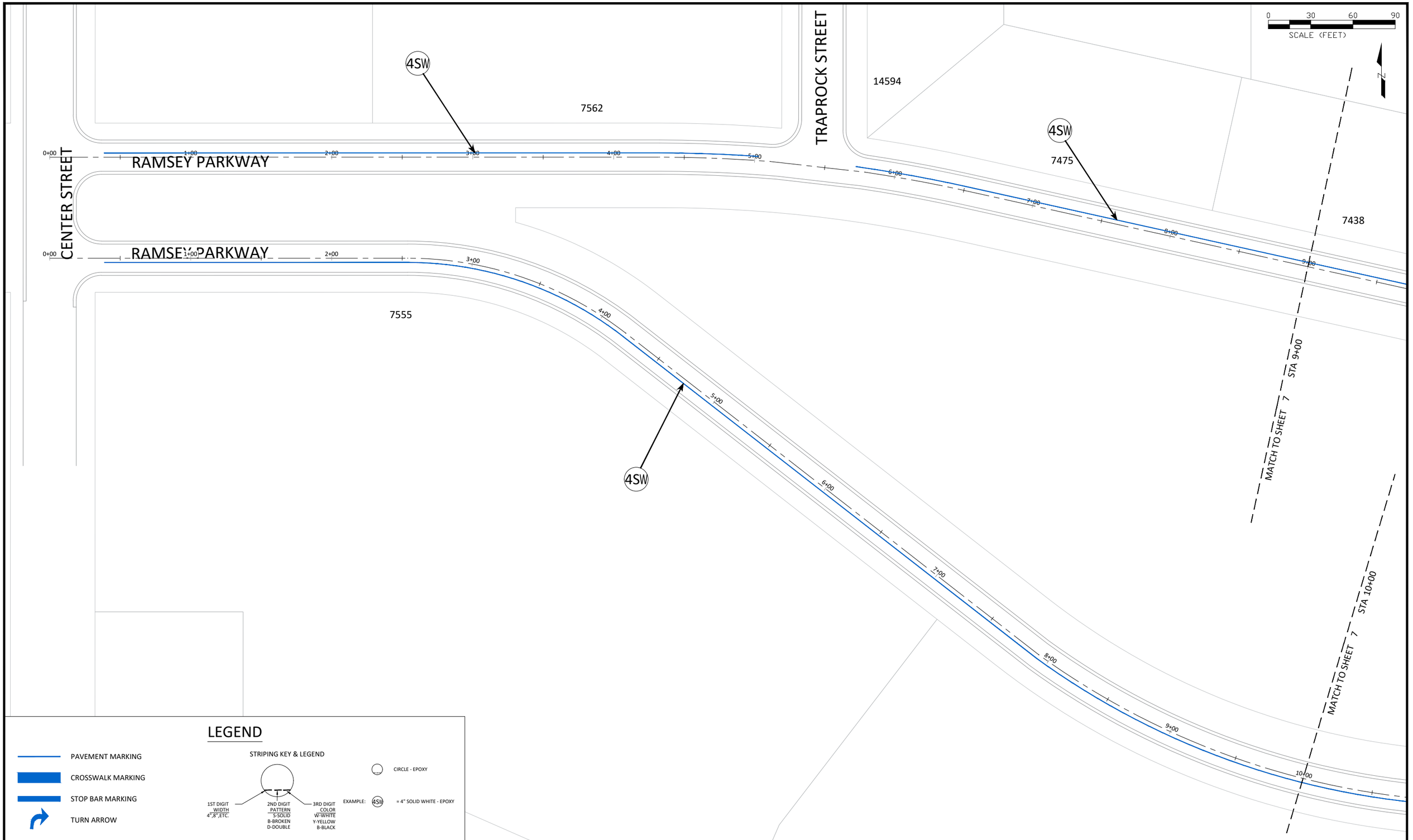
(763) 427-1410 FAX (763) 433-9898

23-18 - PAVEMENT MARKING VETERANS DR - RHINESTONE ST

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA



LEGEND

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- CROSSWALK MARKING
- STOP BAR MARKING
- TURN ARROW

STRIPING KEY & LEGEND

1ST DIGIT WIDTH	2ND DIGIT PATTERN	3RD DIGIT COLOR
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CIRCLE - EPOXY

EXAMPLE: 4SW = 4" SOLID WHITE - EPOXY

DATE	REVISION

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JOE FERIANCEK
Date 09/07/23 Lic. No. 57095

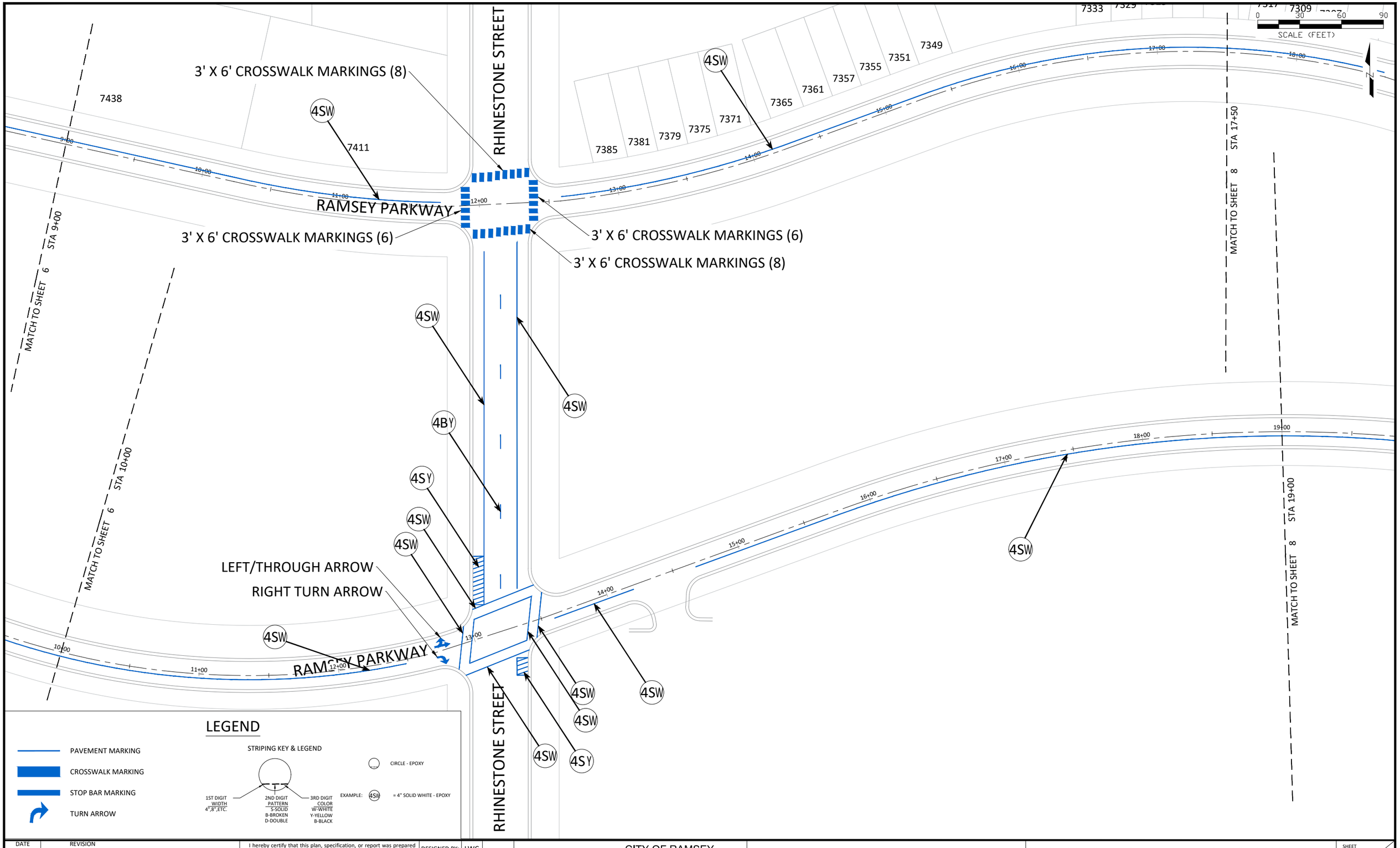
DESIGNED BY:	LWC	
DRAWN BY:	LWC	DATE: 09/07/23
CHECKED BY:	JJF	FILE: 23-18

CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

23-18 - PAVEMENT MARKING RAMSEY PARKWAY

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA

SHEET 06 OF 13 SHEETS



LEGEND

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- STOP BAR MARKING
- TURN ARROW

STRIPING KEY & LEGEND

1ST DIGIT WIDTH 4",8",ETC.
2ND DIGIT PATTERN S-SOLID B-BROKEN D-DOUBLE
3RD DIGIT COLOR W-WHITE Y-YELLOW B-BLACK

CIRCLE - EPOXY

EXAMPLE: 4SW = 4" SOLID WHITE - EPOXY

DATE	REVISION

Sep 07, 2023 - 9:04am
C:\Engineering\AutoCad Dwgs\Projects N-Z\Pavement Marking\23-18 Additional Pavement Marking Improvement\Plan Drawings\23-18 Pavement Marking 1.dwg

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

JOE FERIANCEK
Date 09/07/23 Lic. No. 57095

DESIGNED BY:	LWC		
DRAWN BY:	LWC	DATE:	09/07/23
CHECKED BY:	JJF	FILE:	23-18

CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

23-18 - PAVEMENT MARKING RAMSEY PARKWAY

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA

SHEET 07 OF 13 SHEETS

0 30 60 90
SCALE (FEET)

N

PERIDOT STREET

OLIVINE STREET

RAMSEY BOULEVARD

RAMSEY PARKWAY

RAMSEY PARKWAY

7333 7329 7325 7321 7319 7317 7309 7307 7303

7293 7291 7289 7287 7281 7277 7273 7269

7251 7247 7243 7239 7235 7231 7227 7225 7221 7217 7213

7250

7250

17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 26+98 27+00 27+43

MATCH TO SHEET 7 STA 17+50

MATCH TO SHEET 7 STA 19+00

3' X 6' CROSSWALK MARKINGS (6)

3' X 6' CROSSWALK MARKINGS (3)

3' X 6' CROSSWALK MARKINGS (8)

3' X 6' CROSSWALK MARKINGS (6)

3' X 6' CROSSWALK MARKINGS (7)

3' X 6' CROSSWALK MARKINGS (7)

3' X 6' CROSSWALK MARKINGS (5)

3' X 6' CROSSWALK MARKINGS (6)

3' X 6' CROSSWALK MARKINGS (8)

3' X 6' CROSSWALK MARKINGS (6)

3' X 6' CROSSWALK MARKINGS (6)

3' X 6' CROSSWALK MARKINGS (3)

3' X 6' CROSSWALK MARKINGS (5)

4SW 24SW 4SW 4SW 24SW 4DY 24SW 4SW 24SW 4SW

LEGEND

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- CROSSWALK MARKING
- STOP BAR MARKING
- TURN ARROW

STRIPING KEY & LEGEND

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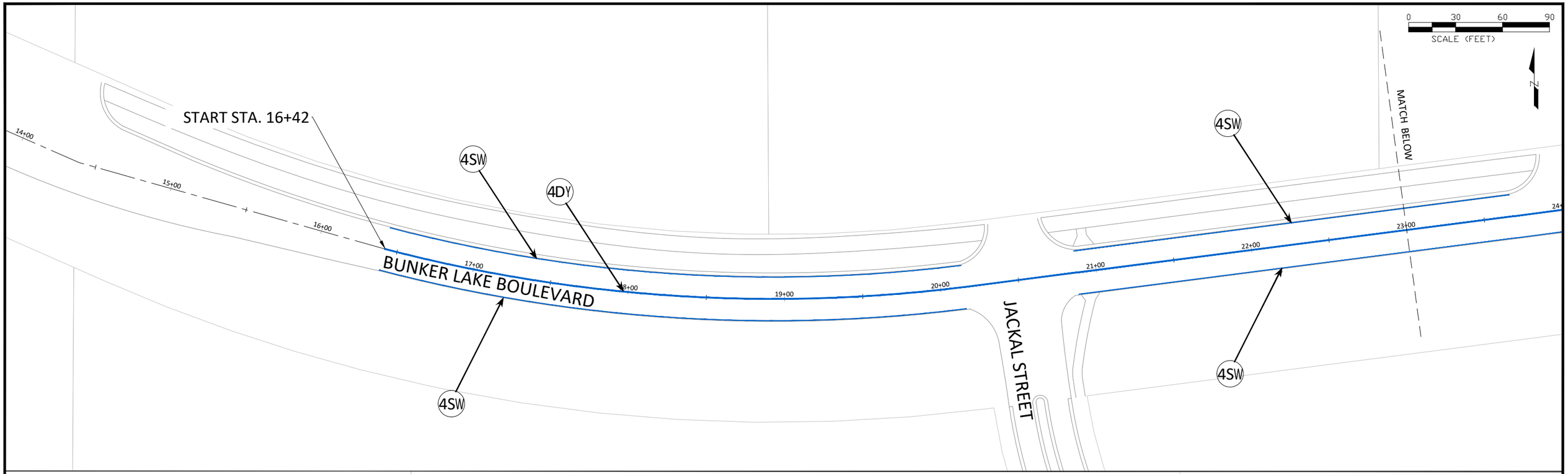
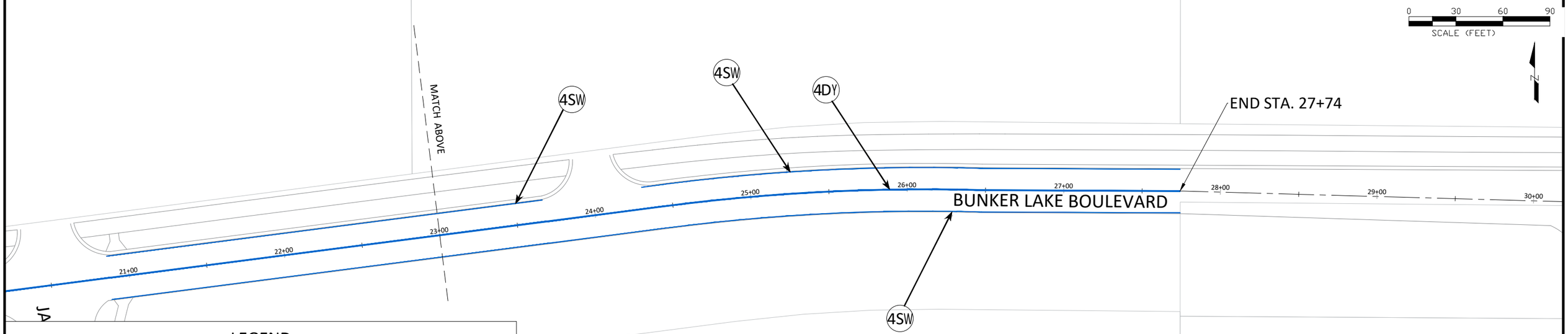
23-18 - PAVEMENT MARKING RAMSEY PARKWAY

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA

SHEET 08 OF 13 SHEETS





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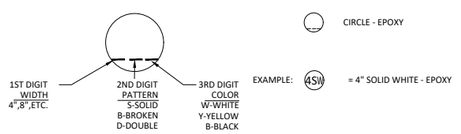

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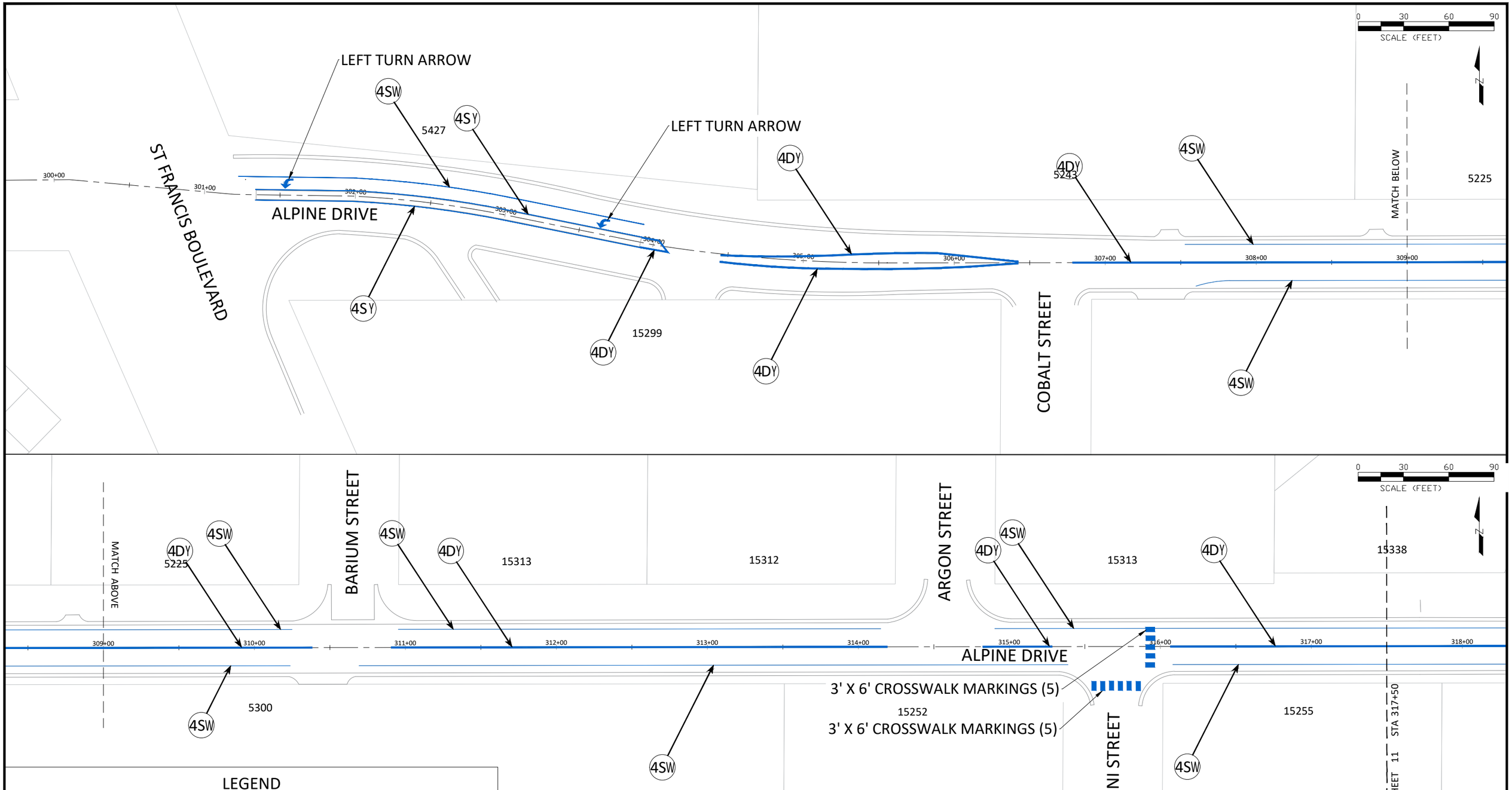
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

23-18 - PAVEMENT MARKING BUNKER LK BLVD

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA

SHEET 09 OF 13 SHEETS



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CITY OF RAMSEY
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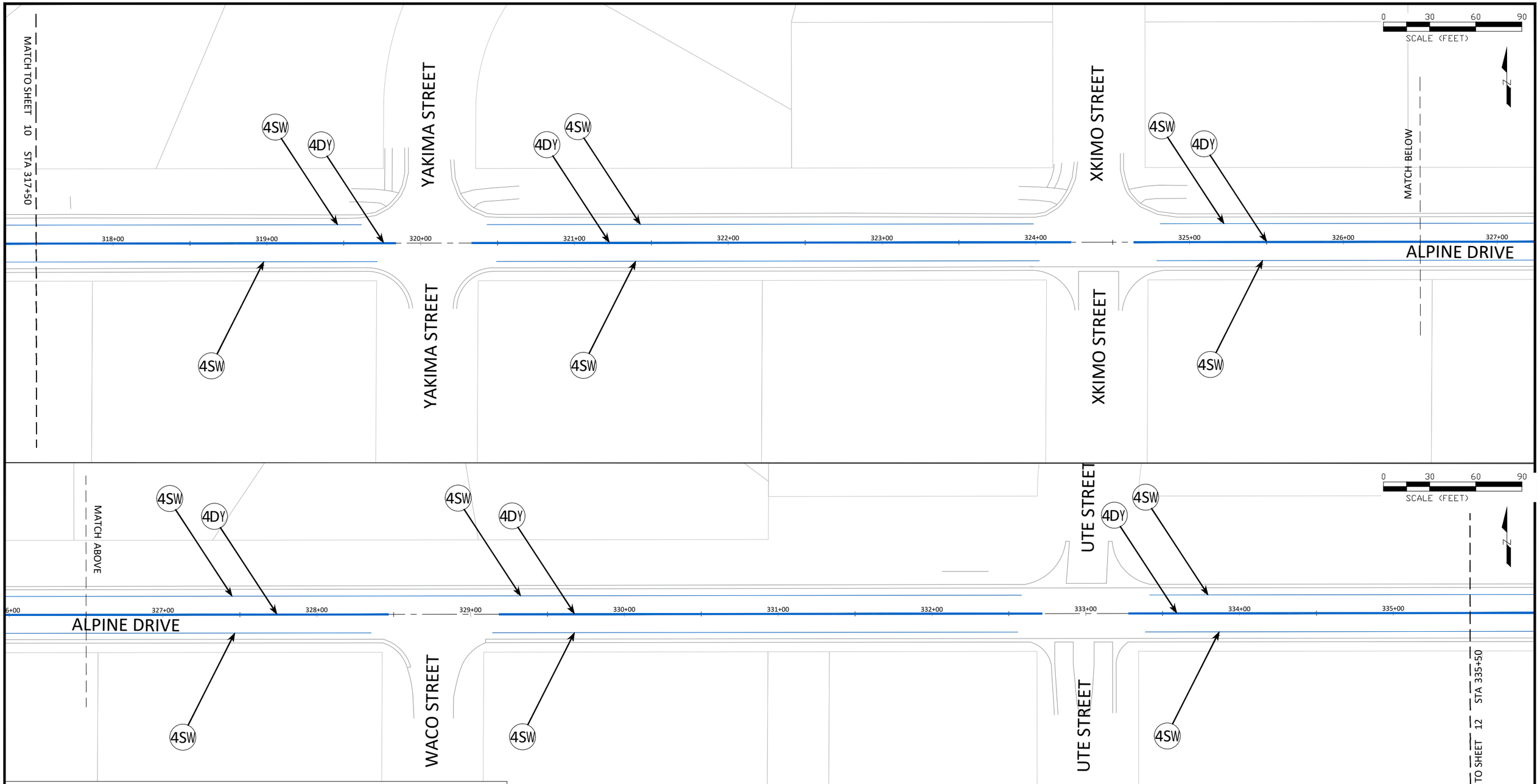
(763) 427-1410 FAX (763) 433-9898

23-18 - PAVEMENT MARKING ALPINE DR

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA



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RAMSEY, MN 55303
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23-18 - PAVEMENT MARKING ALPINE DR

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA

SHEET 11 OF 13 SHEETS

Sep 07, 2023 - 9:04am
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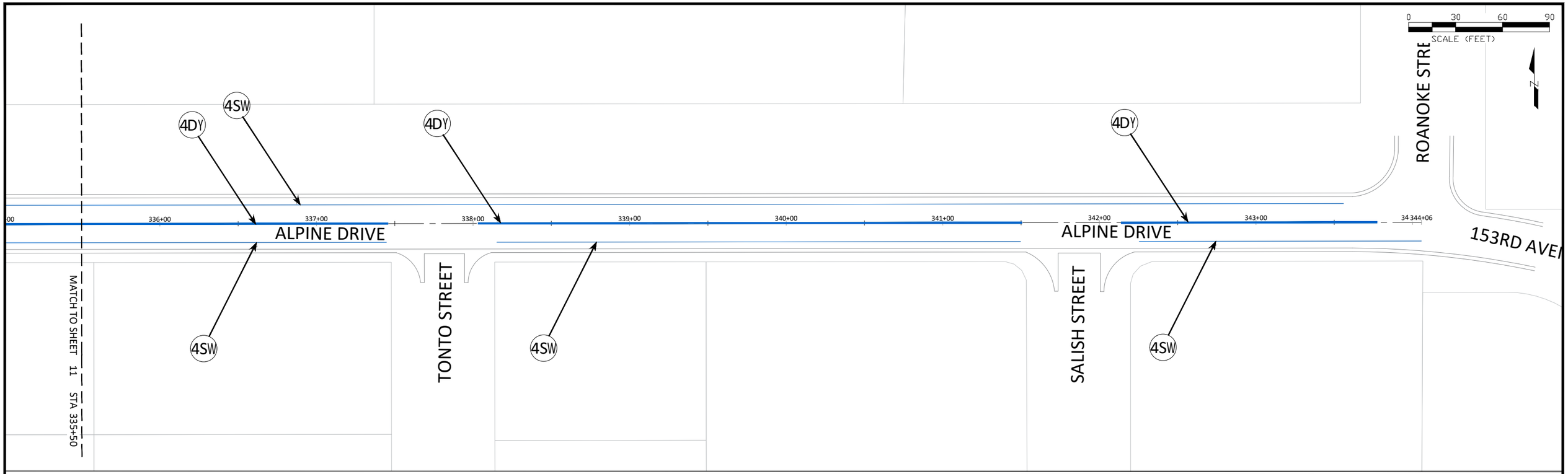

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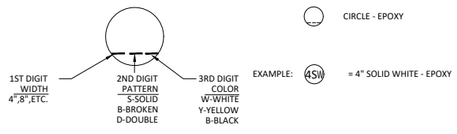

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CITY OF RAMSEY
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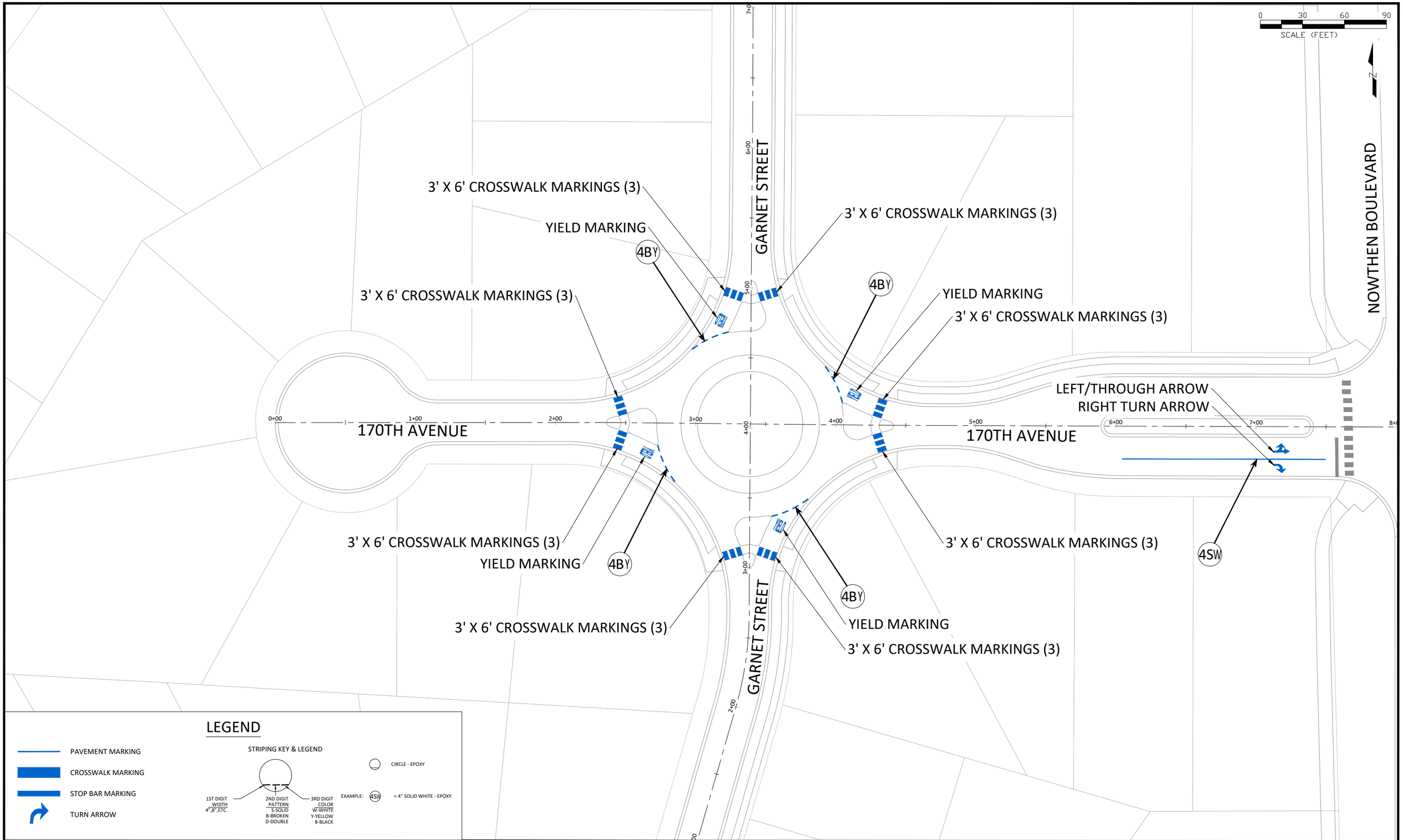
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

23-18 - PAVEMENT MARKING ALPINE DR

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA

SHEET 12 OF 13 SHEETS



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CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

23-18 - PAVEMENT MARKING 170TH AVE

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS
CITY PROJECT NO. 23-18
CITY OF RAMSEY, MINNESOTA

SHEET 13 OF 13 SHEETS

REQUEST FOR PROPOSAL

CITY IMPROVEMENT PROJECT #23-18

2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS

ISSUE DATE:
September 11, 2023

QUOTE SUBMITTAL DEADLINE:
4:00 P.M. Tuesday, September 19, 2023

SUBMIT QUOTE TO:
City of Ramsey Municipal Center
7550 Sunwood Drive NW
Ramsey, MN 55303
Attn: Joe Feriancek
JFeriancek@cityoframsey.com
Office: 763-433-9893

PROJECT LOCATION: The City of Ramsey (City) is requesting quotes from Contractors (Contractor) to place pavement markings along several street segments across the City. All work is proposed to occur along city streets under traffic, plans are attached.

PROJECT SCOPE: The overall scope of this work includes freshening the existing pavement marking layouts to; Zeolite St between Sunwood Dr & Veterans Dr, Veterans Dr Between Zeolite St and Rhinestone St, Rhinestone St between Veterans Dr and Sunwood Dr, Ramsey Pkwy between Center St and Ramsey Blvd (CSAH #56), Bunker Lake Blvd between Puma St and Armstrong Blvd (CSAH #83), Alpine Dr between St Francis Blvd (MN HWY #47) and Roanoke St, 170th Ave West of Nowthen Blvd (CSAH #5). Additional project notes are included within the attached plans. Once work has commenced, the Contractor shall continuously pursue completion until work is complete.

DELIVERABLES:

- **Signature Page –** The enclosed Signature Page must be completed in its entirety and submitted, including signature(s).
- **Quote Form -** The enclosed Quote Form must be completed in its entirety and submitted.

COMMUNICATION WITH CITY: If any requirements of this RFP are not clearly understood, Contractor is responsible for promptly contacting City for further clarification. Responses to inquiries that substantially modify or clarify the RFP will be forwarded by addenda.

SUBMISSION OF QUOTE: A signed copy of the signature page, and attached quote form must be submitted to the City by **4:00 P.M. Tuesday, Sept. 19, 2023**. Deliver to the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, MN 55303 to the attention of Joe Feriancek, Assistant City Engineer, JFeriancek@cityoframsey.com. Quotes received by the submittal deadline via e-mail will be accepted.

PROPOSAL UNDERSTANDING: By submitting a quote, Contractor agrees to be bound to the terms and conditions herein.

COSTS OF PREPARATION: Under no conditions will any costs for preparation of the quote be reimbursed by the City.

LICENSE AND INSURANCE: By submitting a quote, Contractor affirms they shall maintain the following minimum insurance coverage while completing their work as related to this RFP in the following amounts: Commercial General Liability $1,000,000 per occurrence (written on an occurrence-based form bodily injury and property damage); automobile liability $1,000,000 per occurrence (including hired & non-owned bodily injury and property damage). The City of Ramsey shall be named as an additional insured on the Commercial General Liability insurance. Certificates of Insurance for all of the above insurance shall be filed with the City prior to the work. Contractor also affirms they shall be licensed to perform the work in the State of Minnesota, and the work shall comply with all state and local laws.

WORKING HOURS: The work shall be carried out during normal working hours so as not to cause any unreasonable nuisance to affected residents and businesses. Under emergency conditions, this limitation may be waived in writing by the Engineer in conjunction with qualified local authority. Normal working hours for this work are considered to be from 7:00 a.m. to 7:00 p.m., Monday through Saturday.

WORK AND STAGING AREAS: Contractor shall confine their work activities within the right of way at all times. No equipment shall be left on city streets outside normal working hours.

TRAFFIC CONTROL: Contractor will be required to follow the most current edition of the Temporary Traffic Control Zone Layout Manual.

SPECIFICATION REFERENCES: Contractor shall conduct all work in conformance with the specifications set forth herein and in accordance with the most current edition of the Minnesota Department of Transportation Standard Specifications for Construction, which is incorporated by reference to these specifications.

PAYMENT: Partial and final payments will be made upon submittal of each pay request to the City on a net 30-day basis following City acceptance of all work items included on the pay request. An IC 134 form will be required prior to final payment.

BASIS OF PAYMENT: Payment shall be made for all components of the work as specified in this RFP. The cost of any additional equipment, labor, materials, permits, tools, and supplies which have not been specifically identified in this RFP for payment, but are required to complete the work, shall be considered incidental to the project.

SIGNATURE PAGE

This quotation is submitted to the City of Ramsey for I.P. 23-18; 2023 Additional Pavement Marking Improvements. That _____ accepts the terms and conditions herein and agrees to complete all work for the total project quote of $_____ no later than Friday, Oct 27, 2023. Contractor acknowledges that the final amount paid for all work may be more or less than the quoted amount based on final line item quantities after construction is complete.

All information below must be provided, including signatures(s).

Contractor Name _____

Owner/Representative _____

Phone _____

Fax _____

E-mail _____

Signature _____

Date _____

23-18 2023 Additional Pavement Marking Improvements
Quote Form

Item No.	MnDOT No.	Item	Unit	Estimated Quantity	Unit Cost	Cost Extension
1	2021.501	Mobilization	LS	1	_____	_____
2	2563.601	Traffic Control	LS	1	_____	_____
3	2582.502	4” Double Solid Line – Yellow (Epoxy)	LF	5,069	_____	_____
4	2582.502	4” Solid Line – Yellow (Epoxy)	LF	733	_____	_____
5	2582.502	4” Solid Line – White (Epoxy)	LF	18,830	_____	_____
6	2582.502	4” Broken Line – Yellow (Epoxy)	LF	900	_____	_____
7	2582.502	24” Solid Line – Yellow (Epoxy)	LF	20	_____	_____
8	2582.502	24” Solid Line – White (Epoxy)	LF	135	_____	_____
9	2582.518	Crosswalk Markings (Epoxy)	SF	2,592	_____	_____
10	2582.602	Pavt Mssg – Turn Arrows (Epoxy)	EA	11	_____	_____
11	2582.602	Pavt Mssg – Only (Epoxy)	EA	3	_____	_____
12	2582.602	Pavt Mssg – Yield (Epoxy)	EA	4	_____	_____
		Total Quote (Items 1 – 12)				_____

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-236

RESOLUTION ACCEPTING PROPOSALS AND AWARDING CONTRACT FOR 2023 ADDITIONAL PAVEMENT MARKING IMPROVEMENTS, IMPROVEMENT PROJECT #23-18

WHEREAS, visible pavement marking is a critical component of driver and pedestrian safety and are a required maintenance operation per MSA rules and standards; and

WHEREAS, 2023 street patching projects impacted the pavement markings on numerous street segments across the City; and

WHEREAS, City Staff has prepared plans and specifications for Improvement Project #23-18, 2023 Additional Pavement Marking Improvements; and

WHEREAS, requests for proposals were submitted to five (5) firms for the purpose of obtaining quotes for completing the proposed pavement marking improvements; and

WHEREAS, the one (1) proposal received is tabulated below; and

PROPOSALS RECIEVED	
Contractor	**Total Quote**
Sir Lines-A-Lot	$36,390.38

WHEREAS, the quote of Sir Lines-A-Lot, in the total amount of $36,390.38 for said services in accordance with the prepared plans and specifications and request for proposals is the lowest responsible quote and their quote shall be and hereby is accepted.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA:

1) The Mayor and City Administrator are hereby authorized and directed to enter into a contract with Sir Lines-A-Lot for said pavement marking services for and on behalf of the City of Ramsey.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____ and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Address infrastructure needs.

Information

Title

Adopt Resolution #23-237 Approving Plans and Specifications and Authorizing Advertisements for Bids for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements

Purpose/Background:

Purpose:

The purpose of this case is to adopt Resolution #23-237 approving plans and specifications and authorizing advertisements for bids for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements.

Background:

On March 9, 2021, the Ramsey City Council adopted Resolution #21-061 awarding a contract to SEH Inc. to prepare plans and specifications for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements.

On October 26, 2021, the Ramsey City Council adopted Resolution #21-303 approving final plans and specifications and authorizing advertisements for bids using a base bid and an alternate bid as follows;

- Base bid – The base bid specified a combination of construction techniques whereby open trenching of watermain is specified along the south side of Bunker Lake Boulevard and the north side of 143rd Avenue, while directional drilling of watermain is specified at intersections, through Cottonwood Park, under Sunwood Drive, and under the stormwater pond between Hoya and Anderson Dahlen north of 143rd Avenue.
- Alternate bid – The alternate bid specified directional drilling of watermain across as much of the project area as feasible.

On January 25, 2022, the Ramsey City Council adopted Resolution #22-003 rejecting all bids and authorizing Staff to work with SEH, Inc. to revise the approved plans to reduce project costs and to monitor the bidding environment to identify the most favorable time to bid the project again.

On July 25, 2023, the Ramsey City Council adopted Resolution #23-168 executing a new Professional Services Agreement with SEH, Inc. to revise the previously approved plans and to re-bid said improvements for 2024 construction in advance of the Water Treatment Plant commissioning in the Spring of 2025.

The plan revisions from the 2021 bid set are the result of staff additions to the water system and contractor feedback from the previous bids. These changes consist of the following elements:

1. Adding an underground meter vault near well #8 on the existing water main in the park, including associated instrumentation for operation ease.

2. Adding a new water main between Bunker Lake Boulevard and 147th Terrace to complete the loop. The water main is anticipated to be installed on City owned property where Well No. 3 is located. Also, a new 1-inch service line is proposed to be installed off this line to the existing well house for priming the Well

No. 3 pumps.

3. Re-design the water main in Town Center Drive south of Bunker Lake Boulevard and remove the water main in the open space easement to open this parcel up for future development.

4. Install a new 1-inch service line off Town Center Drive to the wellhouse building at Well No. 5 for pump priming purposes.

5. Modify the plans for the 24-inch raw water main on the trail north of Sunwood Drive to use open cut installation rather than Horizontal Directional Drilling (HDD), with the exception of under Sunwood Drive, which will still be HDD to avoid impacting the recently reconstructed street.

6. Include trenchless installation of the water main crossing Bunker Lake Boulevard at 143rd Avenue to avoid impacts to the recent improvements to Bunker Lake Boulevard.

7. The trunk water main under 143rd Avenue will now be fully installed via open cut trench installation followed up with full depth bituminous pavement replacement due to the age and condition of the existing pavement, and to avoid reconstructing one side of the street and overlaying the other, putting the two sides of the street on different maintenance schedules. Due to construction traffic using this route for the WTP construction and maintaining access to adjacent commercial properties, phased pavement removal is anticipated to maintain a hard driving surface to the greatest extent possible.

Final construction plans and specifications have been completed and are ready for City authorization to bid the project.

A copy of the title sheet is attached for reference. A full set of plans are not attached to prevent bidders from using those plans to bid the project, which can result in bids that do not reflect plan revisions that are issued through addenda only to plan holders that purchase plans through QuestCDN.

Notification:
Bids will be advertised in Finance and Commerce and in the Anoka Union Herald on Friday, September 29, and on Friday, October 6, 2023. Bids will also be advertised and managed online on QuestCDN.

Observations/Alternatives:

Observations:
Bids are proposed to be opened at 10 AM on November 1, 2023. Staff then proposes to request City Council approval of a construction contract to the lowest responsible bidder on November 14, 2023.

The current bidding environment for utility projects is very competitive. Material shortages have eased recently but Staff and SEH recommend bidding this project this Fall to allow the awarded contractor the Winter months to order their materials so the materials are available when the contractor is ready to start work in the Spring of 2024, and so the best bid prices can be obtained due to the long lead time for ordering materials.

Alternatives:
Alternative #1 – Motion to adopt Resolution #23-237 approving plans and specifications and authorizing advertisements for bids for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements.

Funding Source:

The engineer's construction cost estimate for the base bid is $7,500,000. A 10% contingency was added to the estimated unit prices to address any changes that may result during construction.

An alternate bid is proposed to include prevailing wages in case state grant funding is utilized. In talking to contractors, this alternate bid will add an additional 5-10% to the unit prices.

Funding for this project is proposed to come from water enterprise funds, and potentially from state grant funding if legislatively appropriated in the future.

For almost two decades, municipal water users have been contributing to a future water treatment plant, which includes off-site trunk watermain improvements required to provide the plant with raw water, and to transport treated (finished) water out to the distribution mains.

Recommendation:

Staff recommends approving alternative #1 to make sure that the new Water Treatment Plant can be served by the six municipal wells in The COR when the plant is ready to be commissioned in the Spring of 2025.

Action:

Adopt Resolution #23-237 approving plans and specifications and authorizing advertisements for bids for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements.

Attachments

Resolution 23-237

Plan Title Sheet

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 03:52 PM
Form Started By: Bruce Westby		Started On: 09/20/2023 12:47 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-237

RESOLUTION APPROVING PLANS AND SPECIFICATIONS AND AUTHORIZING ADVERTISEMENTS FOR BIDS FOR IMPROVEMENT PROJECT #21-08, WATER TREATMENT PLANT TRUNK WATERMAIN IMPROVEMENTS

WHEREAS, pursuant to Ramsey City Council Resolution #19-248 adopted October 8, 2019, five (5) proposals were accepted and a professional services contract was awarded to SEH, Inc. for the purpose of analyzing the City's municipal water supply system source water, developing a water system model, and preparing a preliminary design report for a centralized water treatment plant to ensure that the City's municipal water supply system will continue to provide adequate quantities of safe drinking water into the foreseeable future; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-061 adopted March 9, 2021, a professional services contract was awarded to SEH, Inc. for all design and construction services needed to allow the trunk watermain improvements needed to support the centralized water treatment plant to be designed, bid, and constructed before the water treatment plant is constructed; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-303 adopted October 26, 2021, final plans and specifications were approved and advertisements for bids were authorized for said improvements; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-003 adopted January 25, 2022, all bids were rejected and Staff was authorized to work with SEH, Inc. to revise the approved plans to reduce project costs and to monitor the bidding environment to identify the most favorable time to bid the project again; and

WHEREAS, pursuant to Ramsey City Council Resolution #23-168 adopted July 25, 2023, a new Professional Services Agreement with SEH, Inc. was executed to revise the previously approved plans and to re-bid said improvements for 2024 construction in advance of the Water Treatment Plant commissioning in the Spring of 2025; and

WHEREAS, funds required to pay for the trunk watermain improvements have been collected from municipal water supply users and are available to fund the proposed improvements, and

WHEREAS, SEH, Inc. completed the revised plans and specifications for the purpose of advertising bids for said improvements to insure the Water Treatment Plant can be served by the six municipal wells in The COR by the Spring of 2025 when the plant is ready to be commissioned.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The Ramsey City Council hereby approves the final plans and specifications prepared by SEH, Inc. for the making of such improvements, and authorizes the advertisement of bids for the same improvements.

The motion of the adoption of the foregoing resolution was duly seconded by Councilmember _____ and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

EXISTING

- RIGHT OF WAY
- PERMANENT EASEMENT
- DRAINAGE AND UTILITY EASEMENT
- PROPERTY LINE
- HORIZONTAL CONTROL POINT
- BENCHMARK
- SURVEY MARKER
- SOIL BORING
- SANITARY SEWER AND MANHOLE
- FORCE MAIN AND LIFT STATION
- SANITARY SEWER SERVICE & CLEANOUT
- WATER MAIN, HYDRANT, VALVE AND MANHOLE
- WATER SERVICE AND CURB STOP BOX
- STORM SEWER, MANHOLE AND CATCH BASIN
- CULVERT AND APRON ENDWALL
- GAS MAIN, VALVE, VENT AND METER
- HANDHOLE
- BURIED FIBER OPTIC CABLE AND MANHOLE
- BURIED PHONE CABLE, PEDESTAL AND MANHOLE
- BURIED TV CABLE, PEDESTAL AND MANHOLE
- BURIED ELECTRIC CABLE, PEDESTAL, MANHOLE, TRANSFORMER AND METER
- OVERHEAD WIRE, POLE AND GUY WIRE
- LIGHT POLE
- TRAFFIC SIGNAL
- STREET NAME SIGN
- SIGN (NON STREET NAME)
- RAILROAD TRACKS
- DECIDUOUS AND CONIFEROUS TREE
- BUSH / SHRUB AND STUMP
- EDGE OF WOODED AREA
- WETLAND
- BUILDING
- FENCE (UNIDENTIFIED)
- BARBED WIRE FENCE
- CHAIN LINK FENCE
- ELECTRIC WIRE FENCE
- WOOD FENCE
- WOVEN WIRE FENCE
- PLATE BEAM GUARDRAIL
- CABLE GUARDRAIL
- POST / BOLLARD
- RETAINING WALL

PROPOSED

- STREET CENTERLINE
- RIGHT-OF-WAY
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- CONSTRUCTION LIMITS
- SANITARY SEWER, BULKHEAD AND MANHOLE
- FORCE MAIN
- SANITARY SERVICE AND CLEANOUT
- WATER MAIN, TEE, HYDRANT, BULKHEAD AND VALVE
- WATER VALVE MANHOLE, REDUCER, BEND AND CROSS
- WATER SERVICE AND CURB STOP BOX
- STORM SEWER, MANHOLE AND CATCH BASIN
- CULVERT AND APRON ENDWALL
- DRAIN TILE
- DITCH / SWALE
- RIPRAP
- STREET NAME SIGN
- SIGN (NON STREET NAME)
- RETAINING WALL

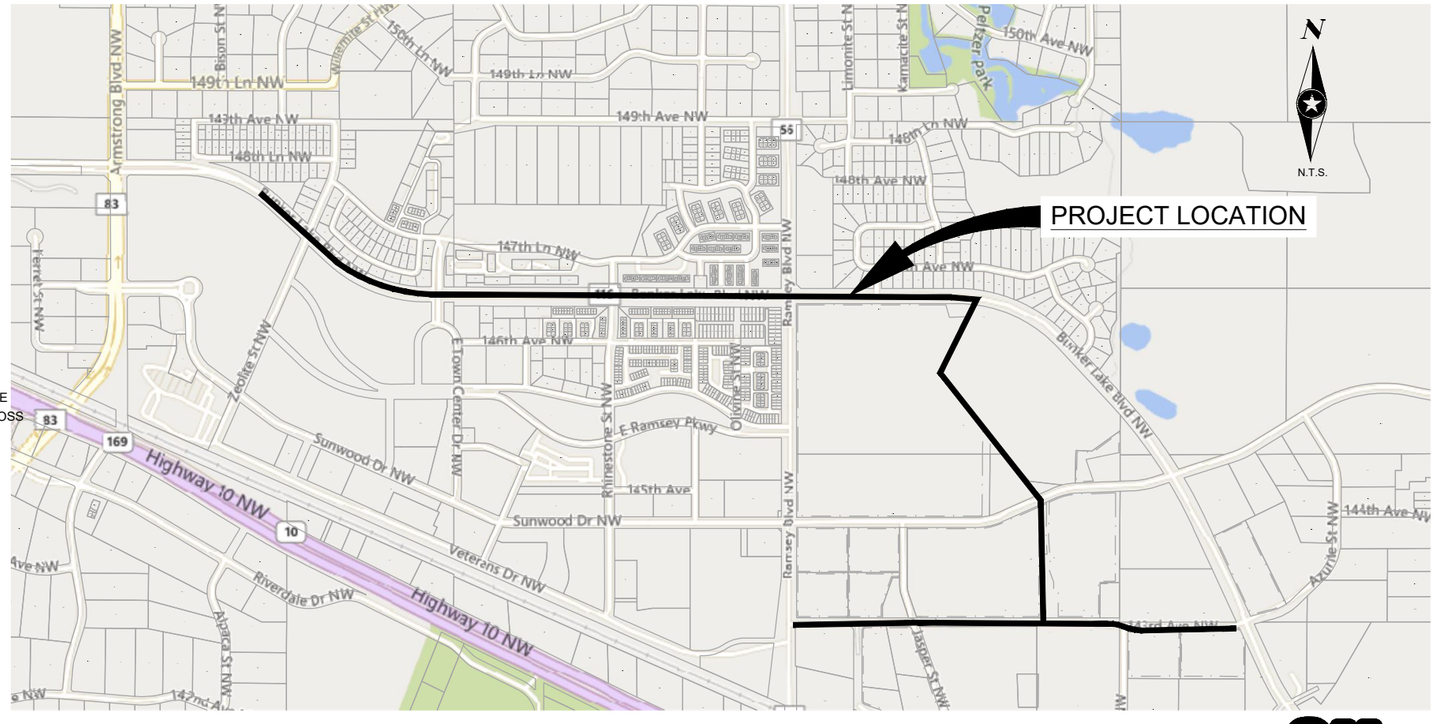
CITY OF
RAMSEY, MINNESOTA

CONSTRUCTION
PLANS FOR

WATER MAIN INSTALLATION, EXCAVATION, HORIZONTAL DIRECTIONAL DRILLING, GRADING, BITUMINOUS PAVING, & RESTORATION

WATER TREATMENT PLANT TRUNK WATER MAIN IMPROVEMENTS

CITY PROJECT NO. 21-08



INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PROJECT OVERVIEW
3	STATEMENT OF ESTIMATED QUANTITIES
4	CONSTRUCTION NOTES
5-8	DETAILS
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37-38	COTTONWOOD TRAIL PLAN AND PROFILE
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47-48	SWPPP
49-51	TRAFFIC CONTROL PLAN
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54	METER VAULT DETAILS
55	ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES
56	ELECTRICAL PLANS, ELEVATION AND DIAGRAMS

THIS PLAN CONTAINS 56 SHEETS.

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN EXCEPT AS MODIFIED BY THE SPECIFICATIONS FOR THIS PROJECT.

THE 2018 EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA "STANDARD SPECIFICATIONS" SHALL GOVERN FOR UTILITY INSTALLATION EXCEPT AS MODIFIED BY THE SPECIFICATIONS FOR THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

PROJECT LOCATION

CITY OF RAMSEY, ANOKA COUNTY

RAMSEY, MINNESOTA

SEH
PHONE: 651.490.2000
3535 VADNAIS CENTER DRIVE
ST. PAUL, MN 55110-5196
www.sehinc.com

NOTE:
THE SUBSURFACE UTILITY QUALITY INFORMATION IN THIS PLAN IS LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02 ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

THE CONTRACTOR SHALL CALL THE GOPHER STATE ONE CALL SYSTEM AT 811 BEFORE COMMENCING EXCAVATION.

811 Know what's **below.** **Call** before you dig.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MN.

Signature Dave Hutton

Date: 09-20-2023 Lic. No. 19133

FILE NO. Ramsy159783

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CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Improve the safety and mobility of transportation corridors.

Information

Title

Adopt Resolution #23-238 Approving Updated MnDOT Cooperative Construction Agreement #1052605 for Ramsey Gateway Highway 10 Improvements

Purpose/Background:

Purpose:

The purpose of this case is to adopt Resolution #23-238 approving updated MnDOT Cooperative Construction Agreement #1052605 for Ramsey Gateway Highway 10 Improvements.

Background:

Anoka County proposes to construct grade-separation improvements on CSAH 56 (Ramsey Blvd) and CSAH 57 (Sunfish Lake Blvd) at the BNSF Railway and U.S. Highway 10 crossings to improve traffic operations and safety. The proposed improvements were designed and will be constructed in partnership with the City of Ramsey and the Minnesota Department of Transportation (MnDOT). This project has been designated as the Ramsey Gateway Highway 10 Improvements, City Improvement Project #20-11.

The proposed improvements generally include reconstructing portions of U.S. Highway 10/169, CSAH 56/Ramsey Boulevard, CSAH 57/Sunfish Lake Boulevard, and Riverdale Drive; constructing new frontage roads to remove private accesses onto Highway 10; constructing sidewalks, trails and pedestrian curb ramps; constructing bridges and roundabouts; extending/reconstructing municipal utilities; constructing a temporary traffic control signal system; establishing turf; and installing striping and signing.

Construction of the Ramsey Gateway Highway 10 Improvements project began this Summer with temporary widening improvements, and is proposed to conclude in 2026, with the vast majority of work occurring in 2024 (primarily on Sunfish Lake Boulevard) and 2025 (primarily on Ramsey Boulevard).

The Ramsey Gateway Highway 10 Improvements project was recently bid and Anoka County is currently in the process of awarding a construction contract to the lowest responsible bidder. To memorialize cost sharing splits and maintenance responsibilities, MnDOT prepared attached Cooperative Construction Agreement #1052605. In general, this agreement provides for payment by the City to the State of the City's share of the costs of the construction engineering in connection with the City water main and sanitary sewer construction, as well as to define the City’s maintenance responsibilities for various infrastructure constructed as part of the Ramsey Gateway Highway 10 improvements project.

Upon adoption of Resolution #23-238, a certified copy of the Resolution will be submitted to MnDOT, along with a copy of updated MnDOT CCA #1052001 with City signatures.

Notification:

N/A

Observations/Alternatives:

Observations:
City staff reviewed attached updated MnDOT Cooperative Construction Agreement #1052605 and has no concerns or comments. The only difference between the attached updated version and the version approved by the City Council on September 12th is the addition of new sections 4.7, 4.8, 4.9 and 4.10 outlining requirements and responsibilities by and between Anoka County and MnDOT for a project field office. Also, the City's signature page is now included as page 17.

The City Attorney reviewed the attached updated MnDOT Cooperative Construction Agreement #1052605 and has approved the agreement as to legal form.

As with the previously approved original agreement, upon approving updated MnDOT Cooperative Construction Agreement #1052605, the City will be responsible for maintaining all infrastructure identified in attached exhibits A, B, C, D, and E after construction is complete and the City has accepted the project. This is similar to the responsibilities assumed by the City following the completion of construction of the Armstrong Boulevard Interchange.

Funding Source:
As defined within attached updated MnDOT Cooperative Construction Agreement #1052605, the City is responsible for paying the State $11,021.57 for the City's share of the State's costs of the construction engineering in connection with the City water main and sanitary sewer construction. This cost remains unchanged from the original agreement approved on September 12th.

Recommendation:
Staff recommends approving updated MnDOT Cooperative Construction Agreement #1052605.

Action:
Motion to adopt Resolution #23-238 approving updated MnDOT Cooperative Construction Agreement #1052605 for Ramsey Gateway Highway 10 Improvements.

Attachments

Resolution 23-238
Updated Agreement 1052605
Exhibit A - Signing
Exhibit B - Drainage
Exhibit C - Walls
Exhibit D - Lighting
Exhibit E - ROW Transfer

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 04:23 PM
Form Started By: Bruce Westby		Started On: 09/20/2023 12:57 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-238

RESOLUTION APPROVING UPDATED MnDOT COOPERATIVE CONSTRUCTION AGREEMENT NO. 1052605 FOR RAMSEY GATEWAY HIGHWAY 10 IMPROVEMENTS

WHEREAS, Anoka County is proposing grade-separation improvements on County State Aid Highway (CSAH) 56/Ramsey Boulevard and CSAH 57/Sunfish Lake Boulevard at the Burlington Northern Santa Fe (BNSF) Railway and U.S. Highway 10/169 crossings to improve traffic operations and safety on each facility in partnership with BNSF, the City of Ramsey, and the Minnesota Department of Transportation (MnDOT); and

WHEREAS, the proposed improvements generally include reconstructing portions of U.S. Highway 10/169, CSAH 56/Ramsey Boulevard, CSAH 57/Sunfish Lake Boulevard, and Riverdale Drive; constructing new frontage roads; constructing sidewalks, trails and pedestrian curb ramps; constructing bridges and roundabouts; extending/reconstructing municipal utilities; constructing a temporary traffic control signal system; establishing turf; and installing striping and signing; and

WHEREAS, said parties mutually agree that the at-grade intersections of CSAH 56 and CSAH 57 at the BNSF Railway and U.S. Highway 10 crossings require grade separation to improve traffic operations and safety on each facility; and

WHEREAS, U.S. Highway 10 is under the jurisdiction of MnDOT; and

WHEREAS, CSAH 56/Ramsey Boulevard and CSAH 57/Sunfish Lake Boulevard are County State Aid Highways under the jurisdiction of Anoka County; and

WHEREAS, Riverdale Drive and the Frontage Road north of Highway 10 are Municipal State Aid Streets under the jurisdiction of the City of Ramsey; and

WHEREAS, the BNSF Railway is under the jurisdiction of BNSF; and

WHEREAS, pursuant to City Council Resolution #23-149 adopted June 27, 2023, the Mayor and City Administrator were directed to enter into MnDOT Cooperative Construction Agreement No. 1052001 with the State of Minnesota, Department of Transportation, and Anoka County to provide for payment by the City to the State of the City's share of the costs of the construction engineering in connection with the City water main and sanitary sewer to be performed upon, along, and adjacent to Trunk Highway 10 from 0.32 miles east of Armstrong Boulevard (County State Aid Highway 83) to 0.38 miles west of Thurston Avenue under State Project 0202-123 (TH 10=003) to facilitate the expedient construction of the Ramsey Gateway Highway 10 Improvements; and

WHEREAS, pursuant to City Council Resolution #23-172 adopted September 12, 2023,

the Mayor and City Administrator were authorized and directed to enter into MnDOT Agreement No. 1052605 with the State of Minnesota, Department of Transportation, to provide for payment by the City to the State of the City's share of the costs of the construction engineering in connection with the City water main and sanitary sewer construction to be performed upon, along, and adjacent to Trunk Highway 10 from 0.37 miles east of Armstrong Boulevard (County State Aid Highway [CSAH] 83) TO 0.57 miles east of Sunfish Lake Boulevard (CSAH 57) and on CSAH 56 from 0.02 miles south of TH 10/169 to 0.40 miles south of Bunker Lake Boulevard (CSAH 116) and on CSAH 57 from TH 10/169 to 0.11 miles south of Bunker Lake Boulevard (CSAH 116) and on Riverdale Drive from 0.15 miles west of Ramsey Boulevard to 0.13 miles east of Ramsey Boulevard, and on Sunfish Lake Boulevard from Riverdale Drive to TH 10 under State Project 002-596-026 and State Project 0202-116 (TH 10=003); and

WHEREAS, on September 14, 2023, MnDOT provided an updated version of Cooperative Construction Agreement #1052605 to the City including new sections 4.7, 4.8, 4.9 and 4.10 outlining requirements and responsibilities by and between Anoka County and MnDOT for a project field office, along with a request that the City re-sign the City signature page and submit it with an updated certified resolution; and

WHEREAS, the parties agree it is in the best interest of the public to construct the improvements.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the Mayor and City Administrator are hereby authorized and directed to enter into updated MnDOT Agreement No. 1052605 with the State of Minnesota, Department of Transportation, to provide for payment by the City to the State of the City's share of the costs of the construction engineering in connection with the City water main and sanitary sewer construction to be performed upon, along, and adjacent to Trunk Highway 10 from 0.37 miles east of Armstrong Boulevard (County State Aid Highway [CSAH] 83) TO 0.57 miles east of Sunfish Lake Boulevard (CSAH 57) and on CSAH 56 from 0.02 miles south of TH 10/169 to 0.40 miles south of Bunker Lake Boulevard (CSAH 116) and on CSAH 57 from TH 10/169 to 0.11 miles south of Bunker Lake Boulevard (CSAH 116) and on Riverdale Drive from 0.15 miles west of Ramsey Boulevard to 0.13 miles east of Ramsey Boulevard, and on Sunfish Lake Boulevard from Riverdale Drive to TH 10 under State Project 002-596-026 and State Project 0202-116 (TH 10=003).

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION
AND
ANOKA COUNTY
AND
CITY OF RAMSEY
COOPERATIVE CONSTRUCTION
AGREEMENT

State Project Number:	**0202-116**
Trunk Highway Number:	**10=003**
State Project Number:	**002-596-026**
State Project Number:	**002-656-001**
State Project Number:	**002-657-003**
State Project Number:	**199-113-003**
State Project Number:	**199-115-006**
Federal Project Number:	**NHFP-STBG 0010(340)**
Lighting System A Feed Point No.:	**F04R**
Lighting System B Feed Point No.:	**F04W**
Lighting System C Feed Point No.:	**F04U**
Lighting System D Feed Point No.:	**F04Y**
Lighting System E Feed Point No.:	**City**
Lighting System F Feed Point No.:	**City**
Lighting System G Feed Point No.:	**City**
Lighting System H Feed Point No.:	**City**
Bridge Numbers:	**02061, 02062**

Total Original State Obligation
$22,350,337.45

State Federal Funds
$3,200,000.00

State SRC Funds
$8,800,000.00

State Bond Funds
$10,350,337.45

Estimated Amount Receivable From the City
$11,021.57

This Agreement is between the State of Minnesota, acting through its Commissioner of Transportation (State), Anoka County, acting through its Board of Commissioners (County), and the City of Ramsey, acting through its City Council (City).

Recitals

1. The County will perform grading, bituminous surfacing, ADA improvements, retaining walls, noise walls, high tension cable guardrail, TMS, lighting, roundabouts, and Bridges 02061, 02062, 02591, and 02592 construction and other associated construction upon, along, and adjacent to Trunk Highway (TH) 10 from 0.37 miles east of Armstrong Boulevard (County State Aid Highway [CSAH] 83) TO 0.57 miles east of Sunfish Lake Boulevard (CSAH 57) and on CSAH 56 from 0.02 miles south of TH 10/169 to 0.40 miles south of Bunker Lake Boulevard (CSAH 116) and on CSAH 57 from TH 10/169 to 0.11 miles south of Bunker Lake Boulevard (CSAH 116) and on Riverdale Drive from 0.15 miles west of Ramsey Boulevard to 0.13 miles east of Ramsey Boulevard, and on Sunfish Lake Boulevard from Riverdale Drive to TH 10 according to County-prepared plans, specifications, and special provisions designated by the County as State Project (SP) 002-596-026 and by the City and the State as SP 0202-116 (TH 10=003) (Project); and
2. The County requests the State participate in the costs of the grading, bituminous surfacing, ADA improvements, retaining walls, noise walls, high tension cable guardrail, TMS, lighting, and roundabouts construction and the State is willing to participate in the costs of said construction; and

3. The County requests the State provide construction engineering to consist of construction inspection, surveys and staking, and materials inspection and the State is willing to provide said construction engineering; and
4. The City requests that it perform construction engineering to consist of construction inspection and materials inspection in connection with the City water main and sanitary sewer construction and the State and the County concur in that request; and
5. The City will participate in the cost of the State performed surveys and staking construction engineering for the City water main and sanitary sewer construction; and
6. The Project has been determined to be eligible for the expenditure of Federal-Aid funds and is programmed in the federally approved STIP for the fiscal year 2023, and is identified in MnDOT records as State Project 0202-116 and in the Federal Highway Administration's records as Minnesota Project NHFP-STBG 0010(340); and
7. MnDOT Contract 1052131, which has been executed between the County and the State, appoints the State as the County's agent to receive and disburse transportation related federal funds and sets forth duties and responsibilities for letting, payment, and other procedures for a federally funded contract let by the County; and
8. The Federal-Aid funds available to the State for the construction contract are capped upon the award of the construction contract and will be paid to the County through the State Aid Finance Office under the Delegated Contract Process on a reimbursable basis after expenses have been incurred; and
9. The County has received Federal-Aid funds and will make those available to the State for the State portion of the contract. The Federal-Aid funds will be paid to the County through the State Aid Finance Office under the Delegated Contract Process on a reimbursable basis after expenses have been incurred; and
10. The State Federal-Aid funds will be paid to the County, up to a capped amount, under the Delegated Contract Process on a reimbursable basis after expenses have been incurred, as set forth in this Agreement; and
11. The State funds will be paid to the County, up to a capped amount, as set forth in this Agreement; and
12. The Catalog of Federal Domestic Assistance number or CFDA number is 20.205; and
13. Minnesota Statutes § 161.20, subdivision 2 authorizes the Commissioner of Transportation to make arrangements with and cooperate with any governmental authority for the purposes of constructing, maintaining, and improving the trunk highway system.

Agreement

1. Term of Agreement; Survival of Terms; Plans; Incorporation of Exhibits

1.1. ***Effective Date.*** This Agreement will be effective on the date the State obtains all signatures required by Minnesota Statutes § 16C.05, subdivision 2.

1.2. ***Expiration Date.*** This Agreement will expire when all obligations have been satisfactorily fulfilled.

1.3. ***Survival of Terms.*** All clauses which impose obligations continuing in their nature and which must survive in order to give effect to their meaning will survive the expiration or termination of this Agreement, including, without limitation, the following clauses: 2.4. State Ownership of Improvements; 5. Maintenance by the City; 6. Maintenance by the County; 7. Roundabout Maintenance; 8. Bridge Ownership and Maintenance; 14. Liability; Worker Compensation Claims; Insurance; 17. State Audits; 18. Government Data Practices; 20. Governing Law; Jurisdiction; Venue; and 22. Force Majeure.

1.4. ***Plans, Specifications, and Special Provisions.*** State-approved County plans, specifications, and special provisions designated by the County as SP 002-596-026 and by the City and the State as SP 0202-116 (TH 10=003) are on file in the office of the County's Engineer and incorporated into this Agreement by reference (Project Plans).

1.5. ***Duties of the County.*** The County will perform all of its duties and obligations in MnDOT Contract 1052131, which is incorporated herein by reference, in the solicitation, letting, award, and administration of the construction of the Project.

1.6. ***Exhibits.*** Preliminary Schedule "I" is attached and incorporated into this Agreement. Exhibit A – Signing Ownership and Maintenance, Exhibit B – Drainage Ownership and Maintenance, Exhibit C – Wall Maintenance, and Exhibit D – Lighting Maintenance are on file in the office of the State's Cooperative Agreements Engineer at Saint Paul and incorporated into this Agreement by reference.

2. Right-of-Way Use

2.1. ***Limited Right to Occupy.*** The State grants to the County and the City (and their contractors and consultants) the right to occupy Trunk Highway Right-of-Way as necessary to perform the work described in the Project Plans. This right is limited to the purpose of constructing the Project and administering such construction and may be revoked by the State at any time, with or without cause. Cause for revoking this right of occupancy includes, but is not limited to, breaching the terms of this or any other agreement (relevant to this Project) with the State, failing to provide adequate traffic control or other safety measures, failing to perform the construction properly and in a timely manner, and failing to observe applicable environmental laws or terms of applicable permits. The State will have no liability to the County or the City (or their contractors or consultants) for revoking this right of occupancy.

2.2. ***State Access; Suspension of Work; Remedial Measures.*** The State's District Engineer or assigned representative retains the right to enter and inspect the Trunk Highway Right-of-Way (including the construction being performed on such right-of-way) at any time and without notice to the County or the City or their contractors. If the State determines (in its sole discretion) that the construction is not being performed in a proper or timely manner, or that environmental laws (or the terms of permits) are not being complied with, or that traffic control or other necessary safety measures are not being properly implemented, then the State may notify and require the County and the City (and their contractors and consultants) to suspend their operations until the County and the City (and their contractors and consultants) take all necessary actions to rectify the situation to the satisfaction of the State. The State will have no liability to the County or the City (or their contractors or consultants) for exercising or failing to exercise its rights under this provision.

2.3. ***Traffic Control; Worker Safety.*** While the County and the City (and their contractors and consultants) are occupying the State's Right-of-Way, they must comply with the approved traffic control plan, and with applicable provisions of the Work Zone Field Handbook (*http://www.dot.state.mn.us/trafficeng/workzone/index.html*). All County, City, contractor, and consultant personnel occupying the State's Right-of-Way must be provided with required reflective clothing and hats.

2.4. ***State Ownership of Improvements.*** The State will retain ownership of its Trunk Highway Right-of-Way, including any improvements made to such right-of-way under this Agreement, unless otherwise noted. The warranties and guarantees made by the County's contractor with respect to such improvements (if any) will flow to the State. The County will assist the State, as necessary, to enforce such warranties and guarantees, and to obtain recovery from the County's consultants and contractor (including its sureties) for non-performance of contract work, for design errors and omissions, and for defects in materials and workmanship. Upon request of the State, the County will undertake such actions as are reasonably necessary to transfer or assign contract rights to the State and to permit subrogation by the State with respect to claims against the County's consultants and contractors.

2.5. ***Utility Relocation.*** The State authorizes the County to issue Notices and Orders for utility relocation in accordance with Minnesota Statutes §161.45 and Minnesota Rules Part 8810.3100 through 8810.3600.

3. Contract Award and Construction

3.1. ***Bids and Award.*** The County will receive bids and award a construction contract to the lowest responsible bidder (or best value proposer), subject to concurrence by the State in that award, according to the Project Plans. The contract construction will be performed according to the Project Plans.

3.2. ***Bid Documents Furnished by the County.*** The County will, within seven days of opening bids for the construction contract, submit to the State's District Engineer a copy of the low bid and an abstract of all bids together with the County's request for concurrence by the State in the award of the construction contract. The County will not award the construction contract until the State advises the County in writing of its concurrence.

3.3. ***Rejection of Bids.*** The County may reject and the State may require the County to reject any or all bids for the construction contract. The party rejecting or requiring the rejection of bids must provide the other party written notice of that rejection or requirement for rejection no later than 30 days after opening bids. Upon the rejection of all bids, a party may request, in writing, that the bidding process be repeated. Upon the other party's written approval of such request, the County will repeat the bidding process in a reasonable period of time, without cost or expense to the State.

3.4. ***Contract Terms.*** The County's contract with its construction contractor(s) must include the following terms:

A. A clause making the State of Minnesota, acting through its Commissioner of Transportation, an intended third-party beneficiary of the contract with respect to the portion of work performed on the State's Right-of-Way; and

B. A clause requiring the State to be named as an additional insured on any insurance coverage which the contractor is required to provide; and

C. A clause stating that any warranties provided by the contractor, for the work performed on the trunk highway, will flow to, and be enforceable by, the State as the owner of such improvements.

3.5. ***Direction, Supervision, and Inspection of Construction***

A. The contract construction will be under the direction of the County and under the supervision of a registered professional engineer; however, the State will perform construction inspection, materials inspection, and surveys and staking for all construction items except for the City water main and sanitary sewer construction. The City will be responsible for the construction engineering for the City water main and sanitary sewer construction including, but not limited to, construction inspection and materials inspection. The State will provide surveys and staking for the City water main and sanitary sewer construction. The County will give the State Aid Agreements Engineer at Roseville five days' notice of its intention to start the contract construction.

B. Responsibility for the control of materials for the contract construction will be on the County and its contractor and will be carried out according to Specifications 1601 through and including 1609 in the State's current *Standard Specifications for Construction*.

3.6. ***Contaminated Soils and Groundwater within the State's Cost Participation Limits***

A. ***24 Hour Notification.*** The County will notify the State District Engineer's authorized representative a minimum of 24 hours prior to the contractor beginning the excavation and removal of any contaminated soils that have been identified within the Project limits.

B. ***Immediate Notification.*** The County will notify the State District Engineer's authorized representative immediately upon the contractor encountering contaminated soils and/or groundwater in areas that are within the Project limits. The County will confer with the State as to the handling, disposal, and any other issues related to contaminated materials found on State Right-of-Way or import of materials onto State Right-of-Way.

C. ***Environmental Consultant.*** The County will provide for an Environmental Consultant to be on site to observe and document the excavation, handling, and disposal of contaminated soils that have been identified within the Project limits. If the contractor encounters contaminated materials in areas not previously identified and upon notification by the County to the State, the County hired Environmental Consultant will be provided to collect and analyze soil and/or groundwater samples to determine contaminant levels, work with the landfill for disposal of the soil waste, and provide oversight of any soil and groundwater handling and disposal. The County will not allow the contractor to excavate any contaminated soil unless the Environmental Consultant is present.

3.7. ***Completion of Construction.*** The County will cause the contract construction to be started and completed according to the time schedule in the construction contract special provisions. The completion date for the contract construction may be extended, by an exchange of letters between the appropriate County official and the State District Engineer's authorized representative, for unavoidable delays encountered in the performance of the contract construction.

3.8. ***Plan Changes.*** The State will not participate in the cost of any contract construction that is in addition to the State participation construction covered under this Agreement unless the following conditions have been met:

A. The necessary State funds have been encumbered.

B. All changes in the Project Plans and all addenda, change orders, supplemental agreements, and work orders entered into by the County and its contractor for State participation construction are approved in writing by the State District Engineer's authorized representative.

3.9. ***State Furnished Engineering Services.*** Upon written request from the County, the State may furnish specific engineering or technical services, pursuant to Minnesota Statutes § 161.39. Such services may be covered by other technical services agreements. The County will pay the State to reimburse the Trunk Highway Fund for the full cost and expense of furnishing such services upon the State's requests for reimbursement. The costs and expenses will include the current State labor additives and overhead rates, subject to adjustment based on actual direct costs that have been verified by audit. Providing such services will not make the State a principal or co-principal with respect to liability regarding the contract construction.

3.10. ***Compliance with Laws, Ordinances, and Regulations***

A. The County will comply and cause its contractor to comply with all Federal, State, and Local laws, and all applicable ordinances and regulations. With respect only to that portion of work performed on the State's Trunk Highway Right-of-Way, the County will not require the contractor to follow local ordinances or to obtain local permits.

B. County treatment of all public, private, or cooperatively owned utility facilities which directly or indirectly serve the public and which occupy highway rights of way will conform to 23 CFR 645 "Utilities" which is incorporated into this Agreement by reference.

4. Right-of-Way; Easements; Permits, State Field Office

4.1. The County will obtain all rights-of-way, easements, construction permits, and any other permits and sanctions that may be required in connection with the local and trunk highway portions of the contract

construction. Before payment by the State, the County will furnish the State with certified copies of the documents for rights-of-way and easements, construction permits, and other permits and sanctions required for State participation construction covered under this Agreement.

4.2. The County will convey to the State by quit claim deed all newly acquired rights needed for the continuing operation and maintenance of the Trunk Highway, if any, upon completion of the Project at no cost or expense to the State.

4.3. The County will comply with Minnesota Statutes § 216D.04, subdivision 1(a), for identification, notification, design meetings, and depiction of utilities affected by the contract construction.

4.4. The City will submit to the State's Utility Engineer an original permit application for all utilities owned by the City to be constructed upon and within the Trunk Highway Right-of-Way. Applications for permits will be made on State form "Application for Utility Permit on Trunk Highway Right-of-Way" (Form 2525).

4.5. The City will submit to the Minnesota Pollution Control Agency the plans and specifications for the construction or reconstruction of its sanitary sewer facilities to be performed under the construction contract and obtain, under Minnesota Statutes § 115.07 or Minnesota Rules 7001.1030, subpart 2C, either a permit or written waiver from that agency for that construction or reconstruction. The City is advised that under Minnesota Rules 7001.1040, a written application for the permit or waiver must be submitted to the Minnesota Pollution Control Agency at least 180 days before the planned date of the sanitary sewer facility construction or reconstruction.

4.6. The City will obtain, through the District's Right-of-Way Area Manager, a Limited Use Permit (LUP), currently LUP 0202-0108, to cover the City's liability responsibilities of trails to be constructed upon the State's Right-of-Way.

4.7. During the Project, the State requires space along the Project corridor for field office operations, construction staging, equipment storage, and related activities. The County acquired property located at 7751 Highway 10 NW in the City (PID# 28-32-25-31-0021) identified as Parcels 1, 2, and 142 of Anoka County Highway Right-of-Way Plat No. 102 (the Property). The County agrees that the State may use the County's Property, including land and buildings, for its field operations through completion of the Project on or about May 31, 2026.

4.8. The State acknowledges that the County has entered into a private lease involving land directly adjacent to the Property that will be used by the State. The State consents to such concurrent use and will ensure that the adjacent parcel is not obstructed and shall have clear access during the Project.

4.9. The State and County shall each be responsible for its own acts, omissions, and the results thereof to the extent authorized by law and shall not be responsible for the acts and omissions of the others and the results thereof. Minnesota Statutes Section 3.736 and Chapter 466 and other applicable laws govern liability of the parties as to the State's use of County Property.

4.10. Any State contractors occupying space on the Property shall provide the State and County with properly executed certificate(s) of insurance, including all required endorsements, naming the County as additional insured and demonstrating general liability coverage of not less than $2 million per occurrence, auto liability of not less than $1 million per occurrence, and minimum limits of liability for workers compensation in accordance with applicable state law coverage for all employees.

5. Maintenance by the City

Upon completion of the Project, the City will provide the following without cost or expense to the State:

5.1. ***Roadways.*** Maintenance of the NW Frontage Road, North Frontage Road, NE Frontage Road, and Riverdale Drive. Maintenance includes, but is not limited to, snow, ice and debris removal, resurfacing, seal coating, and any other maintenance activities according to accepted City maintenance practices.

5.2. ***Storm Sewers.*** Routine maintenance of storm sewer facilities construction as shown on Exhibit B – Drainage Ownership and Maintenance. Routine maintenance includes, but is not limited to, removal of sediment, debris, vegetation, and ice from grates and catch basins, and any other maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, or sedimentation, this also includes informing the District Maintenance Engineer of any needed repairs.

5.3. ***Stormwater Basin Responsibilities***

A. Old Holiday Stormwater Basin

The City will share the maintenance responsibilities of the Old Holiday stormwater basin. Maintenance will include, but not be limited to, litter, debris and silt removal, mowing, erosion repairs, and any other maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, sedimentation, or accelerated deterioration of the facilities. The City will be responsible, to the extent provided by law, for its own acts and omissions in connection with maintaining the stormwater basin.

The State will share in the cost of future major maintenance at a rate based on the ratio of contributing water volume entering into the basin at the time that the major maintenance is required. The State's contributing water volume entering into the basin at the time is was designed is 26 percent. Major maintenance includes, but is not limited to, removal of sediment, repair of major erosion problems, major structure and entrance pipe repair, and any other major maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, sedimentation, or accelerated deterioration of the facilities. The State and the City may enter into a separate agreement to define additional responsibilities for maintenance of the basin.

The State will share in all responsibilities, obligations, and liabilities arising out of or by reason of the drainage collecting into and being discharged from the basin. The State will share such responsibilities, obligations, and liabilities at a rate based on the ratio of contributing water volume entering into the basins as referenced in the previous paragraph; however, contributing water volume ratios may change based on development and alteration of land use in the vicinity.

B. Kilo Wet Basin, Juliet Infiltration Basin, and India Infiltration Basin

The City will share in the cost of future major maintenance at a rate based on the ratio of contributing water volume entering into the basin at the time that the major maintenance is required. The City's contributing water volume entering into the basins at the time they were designed is 76 percent for the Kilo wet basin, 89 percent for the Juliet infiltration basin, and 84 percent for the India infiltration basin. Major maintenance includes, but is not limited to, removal of sediment, repair of major erosion problems, major structure and entrance pipe repair, and any other major maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, sedimentation, or accelerated deterioration of the facilities. The State and the City may enter into a separate agreement to define additional responsibilities for maintenance of the basins.

The City will share in all responsibilities, obligations, and liabilities arising out of or by reason of the drainage collecting into and being discharged from the basin. The City will share such responsibilities, obligations, and liabilities at a rate based on the ratio of contributing water volume entering into the basins as referenced in the previous paragraph; however, contributing water volume ratios may change based on development and alteration of land use in the vicinity.

5.4. ***Municipal Utilities.*** Maintenance of any municipal-owned utilities construction, without cost or expense to the State.

5.5. ***Trails.*** Maintenance of any trail construction. Maintenance includes, but is not limited to, snow and ice control/removal, sweeping and debris removal, patching, crack repair, pavement replacement, vegetation control, signing, pavement markings, and any other maintenance activities necessary to perpetuate the trails in a safe and usable condition. The LUP, currently LUP 0202-0108, will address additional maintenance and liability responsibilities for the nonmotorized trail.

5.6. ***Retaining Walls.*** Maintenance of retaining wall construction as shown on Exhibit C – Wall Maintenance. Maintenance includes graffiti removal and any other maintenance activities necessary to perpetuate the walls in a safe, usable, and aesthetically acceptable condition.

5.7. ***Noise Walls.*** Maintenance of the non-highway side of noise wall construction as shown on Exhibit C – Wall Maintenance. Maintenance includes vegetation control, graffiti removal on the non-highway side, and any other maintenance activities necessary to perpetuate the walls in a safe, usable, and aesthetically acceptable condition.

5.8. ***Signing.*** Exhibit A – Signing Ownership and Maintenance shows the signs that will be maintained by the City according to City maintenance practices.

5.9. ***Lighting.*** Maintenance and ownership of lighting facilities construction as shown on Exhibit D – Lighting Maintenance. Maintenance of electrical lighting systems includes everything within the system, from the point of attachment to the power source or utility, to the last light on the feed point, including but not limited to re-lamping of lighting units or replacing of LED luminaires, repair or replacement of all damaged luminaire glassware, loose connections, luminaires when damaged or when ballasts fail, photoelectric control on luminaires, defective starter boards or drivers, damaged fuse holders, blown fuses, knocked down poles including wiring within the poles, damaged poles, pull boxes, underground wire, damaged foundations, equipment pad, installation of approved splices or replacement of wires, repair or extending of conduit, lighting cabinet maintenance including photoelectric cell, electrical distribution system, Gopher State One Call (GSOC) locates, and painting of poles and other equipment. The City will be responsible for the hook up cost and application to secure an adequate power supply to the service pad or pole and will pay all monthly electrical service expenses necessary to operate the lighting facility.

5.10. ***Additional Drainage.*** No party to this Agreement will drain any additional drainage volume into the storm sewer facilities constructed under the construction contract that was not included in the drainage for which the storm sewer facilities were designed, without first obtaining written permission to do so from the other party.

6. Maintenance by the County

Upon completion of the Project, the County will provide the following without cost or expense to the State:

6.1. ***Storm Sewers.*** Routine maintenance of storm sewer facilities construction as shown on Exhibit B – Drainage Ownership and Maintenance. Routine maintenance includes, but is not limited to, removal of sediment, debris, vegetation, and ice from grates and catch basins, and any other maintenance activities necessary to preserve the facilities and to prevent conditions such as flooding, erosion, or sedimentation, this also includes informing the District Maintenance Engineer of any needed repairs.

6.2. ***Signing.*** Exhibit A – Signing Ownership and Maintenance shows the signs that will be maintained by the County according to County maintenance practices.

6.3. ***Retaining Walls.*** Maintenance of retaining wall construction as shown on Exhibit C – Wall Maintenance. Maintenance includes graffiti removal and any other maintenance activities necessary to perpetuate the walls in a safe, usable, and aesthetically acceptable condition.

6.4. ***Additional Drainage.*** No party to this Agreement will drain any additional drainage volume into the storm sewer facilities constructed under the construction contract that was not included in the drainage for

which the storm sewer facilities were designed, without first obtaining written permission to do so from the other party.

7. Roundabout Maintenance

Maintenance will be as described below for the roundabouts at the intersections of TH 10 and Ramsey Boulevard, the North Frontage Road, and the Ramsey Boulevard westbound exit ramp (Ramsey Boulevard North Roundabout), Ramsey Boulevard, Riverdale Drive, and the Ramey Boulevard eastbound exit ramp (Ramsey Boulevard South Roundabout), Sunfish Lake Boulevard, the Northeast Frontage Road, and the Sunfish Lake Boulevard westbound exit ramp (Sunfish Lake Boulevard North Roundabout), and Sunfish Lake Boulevard and the Sunfish Lake eastbound entrance and exit ramps (Sunfish Lake Boulevard South Roundabout).

7.1. ***Roundabout Approaches.*** The State, County, and City will each provide maintenance of their respective approaches up to the curb line of the outer circle of the roundabouts. Maintenance includes, but is not limited to, snow, ice and debris removal, resurfacing, seal coating, and any other maintenance activities according to accepted County and City maintenance practices.

7.2. ***Roundabout Circle.*** The State, County, and City will provide for snow, ice and debris removal of the roadway portion of the roundabout circle in conjunction with ongoing maintenance activities of their respective roadway approaches to the roundabout circle. The State will provide for resurfacing, seal coating, and any other maintenance activities necessary to perpetuate the roadway portion of the roundabout circle in a safe and usable condition.

7.3. ***Roundabout Landscaping.*** The City will provide maintenance of any landscaping in the roundabouts. Maintenance includes but is not limited to, vegetation control, litter and debris removal, removal and replacement of all dead or diseased plantings, and any other maintenance activities necessary to perpetuate the landscaping in a safe, usable, and aesthetically acceptable condition.

7.4. ***Lighting.*** Maintenance of lighting at and approaching the roundabout, including all legs and within the roundabout, will be shared between the State and the City. The City will be responsible for the hook up cost and application to secure an adequate power supply to the service pad or pole and will pay all monthly electrical service expenses necessary to operate the lighting facility. The City will be responsible for minor maintenance, including, but not limited to re-lamping or LED luminaire replacement, repair or replacement of all damaged luminaire glassware, luminaires when damaged or when ballasts fail, photoelectric control on luminaires, and painting of poles and other equipment, if applicable, for the entire system. The State will be responsible for major maintenance, including, but not limited to Gopher State One Call (GSOC) locates, knocked down poles including wiring within the poles, damaged poles, pull boxes, underground wire, loose connections, damaged foundations, defective starter boards or drivers, damaged fuse holders, and blown fuses for the entire system.

8. Bridge Ownership and Maintenance

8.1. ***Bridge 02061 (Ramsey Boulevard over TH 10) and Bridge 02061 (Sunfish Lake Boulevard over TH 10).*** The State will share ownership responsibilities for the bridges with the County. The State will be listed as the owner of the bridges in the National Bridge Inspection Standards database. State, County, and City responsibilities for the bridges are as follows:

A. ***County Responsibilities.*** The County will be responsible for minor maintenance and repair, which includes all non-structural maintenance activities on the bridges, without any cost to the State. Minor maintenance and repair includes, but is not limited to, keeping the roadway, bridge deck, shoulders, medians, and gutters clear of ice, snow, litter, and debris, appropriate disposal of such material, pavement markings, guardrail, non-structurally supported signing for the purpose of CSAH 56 and CSAH 57 traffic, and any other maintenance activities necessary to perpetuate the bridges in a safe,

usable, and aesthetically acceptable condition. The County will be responsible for oversize, overweight, and special use permits.

B. ***City Responsibilities.*** The City will be responsible for maintenance of any sidewalk and/or trail on the bridges and approach panels, without any cost to the State. Maintenance includes, but is not limited to, snow, ice, debris, and graffiti removal, pavement marking maintenance, and signing maintenance. The City will own and maintain non-standard (aesthetic) elements such as decorative lighting, ornamental metal railing and any elements later added to the bridge. Maintenance of the aesthetic elements includes, but is not limited to, graffiti removal and other routine maintenance activities necessary to perpetuate the aesthetic elements in a safe, usable, and aesthetically acceptable condition.

C. ***State Responsibilities.*** The State will perform structural inspections and major maintenance of the bridges without any cost to the County. Major maintenance includes all structural related maintenance, including expansion joint flushing, deck crack sealing, crack sealing trails on the bridge and on approach panels, painting, overlays, redecking and rehabilitation of the bridge, concrete bridge approach panels, and structurally-supported signing on the bridge. The State will be responsible for maintenance of all guardrails on TH 10 below the bridges, roadway signing that is attached to the bridges for the purpose of TH 10 traffic, non-ornamental fencing on the Trunk Highway Right-of-Way, and graffiti removal within the control of access below the bridges. The State will determine the safe load rating for the bridges. The State will provide emergency response for traffic hits and restitution from insurance companies or private parties who have damaged the bridges.

9. State Cost and Payment by the State

9.1. ***State Cost.*** The State's cost for grading, bituminous surfacing, ADA improvements, retaining walls, noise walls, high tension cable guardrail, TMS, lighting, and roundabouts construction is defined in the construction plan and the attached Schedule "I" and is reflective of the Participation Distribution prepared by the Office of State Aid for Local Transportation.

A. State Federal-Aid Funds and State Match to the Federal-Aid Funds. $3,200,000.00 is the State Federal-Aid funded portion and **$800,000.00** is the State Match to the State Federal-Aid funds of the State construction cost share and will be paid to the County through the State Aid Finance Office under the Delegated Contract Process (State Aid Manual, Chapter 5.3). The State Federal-Aid funds and State match to Federal-Aid funds will be capped at **$4,000,000.00**.

B. State SRC Funds. $8,000,000.00 is the capped amount of the estimated State funded construction cost share and will be paid to the County through the State Aid Finance Office under the Delegated Contract Process (State Aid Manual, Chapter 5.3).

C. State Bond Funds. $10,350,337.45 is the capped amount of the estimated State bond funded construction cost share and will be paid to the County through the State Aid Finance Office under the Delegated Contract Process (State Aid Manual, Chapter 5.3).

9.2. ***Limitations of State Payment; No State Payment to Contractor.*** The State's participation in the contract construction is limited to the estimated amounts shown in Article 10.1, and the State's participation will not change except by a mutually agreed written amendment to this Agreement. The State's payment obligation extends only to the County. The County's contractor is not intended to be and will not be deemed to be a third-party beneficiary of this Agreement. The County's contractor will have no right to receive payment from the State. The State will have no responsibility for claims asserted against the County by the County's contractor.

9.3. ***Schedule "I".*** The Preliminary Schedule "I" includes all anticipated State participation construction items covered under this Agreement. The Preliminary Schedule "I" is based upon estimated quantities and estimated unit prices. After the construction contract is awarded, the State will prepare a Revised Schedule

"I" based on construction contract unit prices and based upon the Participation Distribution prepared by the Office of State Aid for Local Transportation. The Revised Schedule "I" will replace and supersede the Preliminary Schedule "I".

9.4. ***Addenda, Change Orders, Supplemental Agreements, and Work Orders.*** The State will share in the costs of construction contract addenda, change orders, supplemental agreements, and work orders that are necessary to complete the State participation construction covered under this Agreement and are approved in writing by the State District Engineer's authorized representative.

9.5. ***Liquidated Damages.*** All liquidated damages assessed the County's contractor in connection with the construction contract will result in a credit shared by each party in the same proportion as their total construction cost share covered under this Agreement is to the total contract construction cost before any deduction for liquidated damages.

9.6. ***Records Keeping and Invoicing by the County.*** The State will provide the County with a Payment Processing Package containing a Modified Schedule "I" form, instructions, and samples of documents for processing final payment of the State participation construction covered under this Agreement.

The County will keep records and accounts that enable it to provide the State with the following prior to final payment:

A. A copy of the Modified Schedule "I" which includes final quantities of State participation construction.

B. Copies of the County contractor's invoice(s) covering all contract construction.

C. Copies of the endorsed and canceled County warrant(s) or check(s) paying for final contract construction, or computer documentation of the warrant(s) issued, certified by an appropriate County official that final construction contract payment has been made.

D. Copies of all construction contract change orders, supplemental agreements, and work orders.

E. A certification form, attached to a copy of the Final Schedule "I", both provided by the State. The certification form will be signed by the County's Engineer in charge of the contract construction attesting to the following:

i. Satisfactory performance and completion of all contract construction according to the Project Plans.

ii. Acceptance and approval of all materials furnished for the contract construction relative to compliance of those materials to the State's current *Standard Specifications for Construction*.

iii. Full payment by the County to its contractor for all contract construction.

F. When requested, copies certified by the County's Engineer, of material sampling reports and material testing results for the materials furnished for the contract construction.

G. A copy of the "as built" plan sent to the State Aid Agreements Engineer.

H. A formal invoice (original and signed) in the amount due the County as shown in the Final Schedule "I".

9.7. ***Final Payment by the State.*** Upon completion of all contract construction, the State will prepare a Final Schedule "I" in conjunction with the Delegated Contract Process. The Final Schedule "I" will be based on final quantities, and include all State participation construction items covered under this Agreement. If the final cost of the State participation construction exceeds the amount of funds advanced by the State, the State will pay the difference to the County without interest. If the final cost of the State participation construction is less than the amount of funds advanced by the State, the County will refund the difference to the State without interest.

The State and the County waive claims for any payments or refunds less than $5.00 according to Minnesota Statutes § 15.415.

10. Basis of City Cost

10.1. ***Schedule "I".*** The Preliminary Schedule "I" includes the City's anticipated construction engineering cost share covered under this Agreement and is based on anticipated City participation construction items and engineer's estimated unit prices.

10.2. ***Construction Engineering Costs.*** The City will pay a construction engineering charge equal to 2 percent of the total City water main and sanitary sewer construction and 5 percent of the remaining City participation construction covered under this Agreement.

10.3. ***Plan Changes, Additional Construction, Etc.*** The State reserves the right to invoice the City for the cost of any additional construction engineering cost share resulting from any City requested work and plan changes, construction contract addenda, change orders, and associated construction engineering before the completion of the contract construction.

11. City Cost and Payment by the City

11.1. ***City Cost.*** **$11,021.57** is the City's estimated share of the construction engineering cost share as shown in the Preliminary Schedule "I". The Preliminary Schedule "I" was prepared using anticipated construction items and estimated quantities and unit prices and may include any credits or lump sum costs. Upon award of the construction contract, the State will prepare a Revised Schedule "I" based on construction contract construction items, quantities, and unit prices, which will replace and supersede the Preliminary Schedule "I" as part of this Agreement.

11.2. ***Conditions of Payment.*** The City will pay the State the City's total estimated construction engineering cost share, as shown in the Revised Schedule "I", after the following conditions have been met:

A. Execution of this Agreement and transmittal to the City, including a copy of the Revised Schedule "I".

B. The City's receipt of a written request from the State for the advancement of funds.

11.3. ***Final Payment by the City.*** Upon completion of all contract construction and upon computation of the final amount due the County's contractor, the State will prepare a Final Schedule "I" and submit a copy to the City. The Final Schedule "I" will be based on final quantities and include the City's construction engineering cost share covered under this Agreement. If the final cost of the City's construction engineering cost share exceeds the amount of funds advanced by the City, the City will pay the difference to the State without interest. If the final cost of the City's construction engineering cost share is less than the amount of funds advanced by the City, the State will refund the difference to the City without interest.

The State and the City waive claims for any payments or refunds less than $5.00 according to Minnesota Statutes § 15.415.

12. Authorized Representatives

Each party's Authorized Representative is responsible for administering this Agreement and is authorized to give and receive any notice or demand required or permitted by this Agreement.

12.1. The State's Authorized Representative will be:

Name, Title:	Malaki Ruranika, Cooperative Agreements Engineer (or successor)
Address:	395 John Ireland Boulevard, Mailstop 682, Saint Paul, MN 55155
Telephone:	(651) 366-4634
Email:	malaki.ruranika@state.mn.us

12.2. The County's Authorized Representative will be:

Name, Title:	Joe MacPherson, Transportation Division Manager/County Engineer (or successor)
Address:	1440 Bunker Lake Boulevard NW, Andover, MN 55304
Telephone:	(763) 324-3199
Email:	joemacpherson@co.anoka.mn.us

12.3. The City's Authorized Representative will be:

Name, Title:	Bruce Westby, City Engineer/Public Works Director (or successor)
Address:	7550 Sunwood Drive NW, Ramsey, MN 55303
Telephone:	(763) 433-9825
Email:	bwestby@cityoframsey.com

13. Assignment; Amendments; Waiver; Contract Complete

13.1. ***Assignment.*** No party may assign or transfer any rights or obligations under this Agreement without the prior consent of the other party and a written assignment agreement, executed and approved by the same parties who executed and approved this Agreement, or their successors in office. The foregoing does not prohibit the County and/or the City from contracting with a third party to perform County or City maintenance responsibilities covered under this Agreement.

13.2. ***Amendments.*** Any amendment to this Agreement must be in writing and will not be effective until it has been executed and approved by the same parties who executed and approved the original Agreement, or their successors in office.

13.3. ***Waiver.*** If a party fails to enforce any provision of this Agreement, that failure does not waive the provision or the party's right to subsequently enforce it.

13.4. ***Contract Complete.*** This Agreement contains all prior negotiations and agreements between the State, the County, and the City. No other understanding regarding this Agreement, whether written or oral, may be used to bind any party.

14. Liability; Worker Compensation Claims; Insurance

14.1. Each party is responsible for its own acts, omissions and the results thereof to the extent authorized by law and will not be responsible for the acts and omissions of others and the results thereof. Minnesota Statutes § 3.736 and other applicable law govern liability of the State. Minnesota Statutes Chapter 466 and other applicable law govern liability of the County and the City. Notwithstanding the foregoing, the County and the City will indemnify, hold harmless, and defend (to the extent permitted by the Minnesota Attorney General) the State against any claims, causes of actions, damages, costs (including reasonable attorney's fees), and expenses arising in connection with the Project covered by this Agreement, regardless of whether such claims are asserted by the County's contractor(s) or consultant(s) or by a third party because of an act or omission by the County or its contractor(s) or consultant(s).

14.2. Each party is responsible for its own employees for any claims arising under the Workers Compensation Act.

14.3. The County may require its contractor to carry insurance to cover claims for damages asserted against the County's contractor.

15. Nondiscrimination

Provisions of Minnesota Statutes § 181.59 and of any applicable law relating to civil rights and discrimination are considered part of this Agreement.

16. Title VI/Non-discrimination Assurances

The County agrees to comply with all applicable US DOT Standard Title VI/Non-Discrimination Assurances contained in DOT Order No. 1050.2A, and in particular Appendices A and E, which can be found at: https://edocs-public.dot.state.mn.us/edocs_public/DMResultSet/download?docId=11149035. If federal funds are included in this Agreement, the County will ensure the appendices and solicitation language within the assurances are inserted into contracts as required. The State may conduct a review of the County's compliance with this provision. The County must cooperate with the State throughout the review process by supplying all requested information and documentation to the State, making County staff and officials available for meetings as requested, and correcting any areas of non-compliance as determined by the State.

17. State Audits

Under Minnesota Statutes § 16C.05, subdivision 5, the County's and the City's books, records, documents, accounting procedures, and practices relevant to this Agreement are subject to examination by the State and the State Auditor or Legislative Auditor, as appropriate, for a minimum of six years from the end of this Agreement.

18. Government Data Practices

The County, the City, and the State must comply with the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as it applies to all data provided under this Agreement, and as it applies to all data created, collected, received, stored, used, maintained, or disseminated by the County and the City under this Agreement. The civil remedies of Minnesota Statutes §13.08 apply to the release of the data referred to in this clause by the County, the City, or the State.

19. Telecommunications Certification

By signing this Agreement, the County certifies that, consistent with Section 889 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. 115-232 (Aug. 13, 2018), and 2 CFR 200.216, the County will not use funding covered by this Agreement to procure or obtain, or to extend, renew, or enter into any contract to procure or obtain, any equipment, system, or service that uses "covered telecommunications equipment or services" (as that term is defined in Section 889 of the Act) as a substantial or essential component of any system or as critical technology as part of any system. The County will include this certification as a flow down clause in any contract related to this Agreement.

20. Governing Law; Jurisdiction; Venue

Minnesota law governs the validity, interpretation, and enforcement of this Agreement. Venue for all legal proceedings arising out of this Agreement, or its breach, must be in the appropriate state or federal court with competent jurisdiction in Ramsey County, Minnesota.

21. Termination; Suspension

21.1. ***By Mutual Agreement.*** This Agreement may be terminated by mutual agreement of the parties or by the State for insufficient funding as described below.

21.2. ***Termination for Insufficient Funding.*** The State may immediately terminate this Agreement if it does not obtain funding from the Minnesota Legislature, or other funding source; or if funding cannot be continued at a level sufficient to allow for the payment of the services covered here. Termination must be by written or fax notice to the County and the City. The State is not obligated to pay for any services that are provided after notice and effective date of termination. However, the County and/or the City will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed to the extent that funds are available. The State will not be assessed any penalty if this Agreement is terminated because of the decision of the Minnesota Legislature, or other funding source, not to appropriate funds.

21.3. ***Suspension.*** In the event of a total or partial government shutdown, the State may suspend this Agreement and all work, activities, performance, and payments authorized through this Agreement. Any work performed during a period of suspension will be considered unauthorized work and will be undertaken at the risk of non-payment.

22. Force Majeure

No party will be responsible to the other for a failure to perform under this Agreement (or a delay in performance) if such failure or delay is due to a force majeure event. A force majeure event is an event beyond a party's reasonable control, including but not limited to, unusually severe weather, fire, floods, other acts of God, labor disputes, acts of war or terrorism, or public health emergencies.

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STATE ENCUMBRANCE VERIFICATION

Individual certifies that funds have been encumbered as required by Minnesota Statutes § 16A.15 and 16C.05.

Signed: _____

Date: _____

SWIFT Purchase Order: 3000710184

ANOKA COUNTY

The undersigned certify that they have lawfully executed this contract on behalf of the Governmental Unit as required by applicable charter provisions, resolutions, or ordinances.

By: _____
(Chair, Anoka County Board of Commissioners)

Date: _____

By: _____
(Anoka County Administrator)

Date: _____

Recommended for Approval:

By: _____
(Anoka County Engineer)

Date: _____

Approved as to form:

By: _____
(Assistant Anoka County Attorney)

Date: _____

DEPARTMENT OF TRANSPORTATION

Recommended for Approval:

By: _____
(District Engineer)

Date: _____

Approved:

By: _____
(State Design Engineer)

Date: _____

COMMISSIONER OF ADMINISTRATION

By: _____
(With Delegated Authority)

Date: _____

CITY OF RAMSEY

The undersigned certify that they have lawfully executed this contract on behalf of the Governmental Unit as required by applicable charter provisions, resolutions, or ordinances.

By: _____

Title: _____

Date: _____

By: _____

Title: _____

Date: _____

INCLUDE COPY OF RESOLUTION APPROVING THE AGREEMENT AND AUTHORIZING ITS EXECUTION.

PRELIMINARY SCHEDULE "I"
Agreement 1052605
Anoka County and City of Ramsey

SP 0202-116 (TH 10=003) Preliminary: August 18, 2023

SPs 002-596-026, 002-656-001, 002-657-003, 199-113-003, 119-115-006

Federal Project NHFP-STBG 0010(340)

Grading, bituminous surfacing, ADA improvements, retainin walls, noise walls, high tension cable guardrail, TMS, lighting, roundabouts, and Bridges 02061, 02062, 0291, and 02592 construction, performed under City contract with ____, located on TH 10 from 0.37 miles east of Armstrong Blvd. (CSAH 83) to 0.57 miles east of Sunfish Lake Blvd. (CSAH 57) and on CSAH 56 from 0.02 miles south of TH 10/169 to 0.4 miles south of Bunker Lake Blvd (CSAH 116) and on CSAH 57 from TH 10/169 to 0.11 miles south of Bunker Lake Blvd (CSAH 116)

STATE COST PARTICIPATION

	SA Fed. 80%	SA Fed. Match 20% Bond	TH Fed. 80%	TH Fed. Match 20%	SP 0202-116 No Fed.	SP 0202-116 No Fed. Bond	TOTAL STATE COST
(1) TH 10 SP 002-656-001 Work Items From Sheet 2	16,132,317.40	3,226,463.48					3,226,463.48
(1) TH 10 SP 002-657-003 Work Items From Sheet 12	10,000,000.00	2,000,000.00			8,000,000.00	3,294,582.40	13,294,582.40
(1) CSAH 56 SP 002-656-001 Work Items From Sheet 21			3,200,000.00	800,000.00			4,000,000.00
(1) CSAH 57 SP 002-657-003 Work Items From Sheet 25	8,505,623.64	1,829,291.57					1,829,291.57
Construction Subtotals	$34,637,941.04	$7,055,755.05	$3,200,000.00	$800,000.00	$8,000,000.00	$3,294,582.40	$22,350,337.45
Total State Obligation							**$22,350,337.45**

(1) Capped funds as described in Article 10.1 of the Agreement (estimated amount)

CITY COST PARTICIPATION

State-Performed Construction Engineering (2%) From Sheet 30	1,175.32
State-Performed Construction Engineering (5%) From Sheet 30	9,846.25
(2) **Total City Cost for State-Performed Construction Engineering**	**$11,021.57**

(2) Amount of advance payment as described in Article 12 of the Agreement (estimated amount)

Data is considered Non-public prior to project award under the
Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13.

(1) 80% NHFP FEDERAL, 20% STATE BOND FUNDS (CAPPED); 80% INFRA FEDERAL, 20% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY 1052605

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (1)
2011.601	SETTLEMENT MONITORING	LUMP SUM	0.10	150,000.00	15,000.00
2011.601	AS BUILT	LUMP SUM	0.50	80,000.00	40,000.00
2016.601	CONTRACT MANAGEMENT	LUMP SUM	0.50	30,000.00	15,000.00
2016.601	QUALITY MANAGEMENT - THERMAL PROFILING	LUMP SUM	0.50	25,000.00	12,500.00
2016.601	QUALITY MANAGEMENT - INTELLIGENT COMPACTION	LUMP SUM	0.50	40,000.00	20,000.00
2021.501	MOBILIZATION	LUMP SUM	0.28	5,500,000.00	1,540,000.00
2031.502	FIELD OFFICE	EACH	0.28	120,000.00	33,600.00
2031.502	FIELD LABORATORY	EACH	0.28	75,000.00	21,000.00
2101.502	CLEARING	EACH	93.00	250.00	23,250.00
2101.502	GRUBBING	EACH	93.00	250.00	23,250.00
2101.505	CLEARING (P)	ACRE	0.10	7,000.00	700.00
2101.505	GRUBBING (P)	ACRE	0.10	7,000.00	700.00
2102.503	PAVEMENT MARKING REMOVAL	LIN FT	35,091.00	0.85	29,827.35
2102.518	PAVEMENT MARKING REMOVAL	SQ FT	1,167.00	4.50	5,251.50
2103.501	BUILDING REMOVAL A	LUMP SUM	1.00	25,000.00	25,000.00
2103.501	BUILDING REMOVAL B	LUMP SUM	1.00	20,000.00	20,000.00
2103.501	BUILDING REMOVAL C	LUMP SUM	1.00	35,000.00	35,000.00
2103.501	BUILDING REMOVAL H	LUMP SUM	1.00	35,000.00	35,000.00
2103.502	DISCONNECT SEWER SERVICE	EACH	3.00	2,500.00	7,500.00
2103.502	DISCONNECT WATER SERVICE	EACH	3.00	4,000.00	12,000.00
2104.502	REMOVE VEHICULAR GATE	EACH	4.00	1,000.00	4,000.00
2104.502	REMOVE PIPE APRON	EACH	29.00	210.00	6,090.00
2104.502	REMOVE ANCHORAGE ASSEMBLY - TENSION CABLE	EACH	2.00	4,000.00	8,000.00
2104.502	REMOVE MISCELLANEOUS STRUCTURES	EACH	6.00	3,000.00	18,000.00
2104.502	REMOVE CONCRETE NOSE	EACH	1.00	1,500.00	1,500.00
2104.502	REMOVE SEPTIC TANK	EACH	2.00	2,100.00	4,200.00
2104.502	REMOVE BOLLARDS	EACH	21.00	220.00	4,620.00
2104.502	REMOVE POST	EACH	8.00	270.00	2,160.00
2104.502	REMOVE LIGHTING UNIT	EACH	20.00	400.00	8,000.00
2104.502	REMOVE GUIDE POST	EACH	36.00	100.00	3,600.00
2104.502	REMOVE CONCRETE STEPS	EACH	1.00	500.00	500.00
2104.502	REMOVE MANHOLE	EACH	1.00	1,000.00	1,000.00
2104.502	REMOVE GATE VALVE AND BOX	EACH	2.00	550.00	1,100.00
2104.502	REMOVE DRAINAGE STRUCTURE	EACH	26.00	550.00	14,300.00

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ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (1)
2104.502	REMOVE CONCRETE FLUME	EACH	2.00	50.00	100.00
2104.502	REMOVE WOOD POLE	EACH	2.00	400.00	800.00
2104.502	REMOVE LIGHT POLE	EACH	2.00	450.00	900.00
2104.502	REMOVE FOUNDATION	EACH	3.00	1,000.00	3,000.00
2104.502	REMOVE CASTING	EACH	3.00	250.00	750.00
2104.502	REMOVE FIBER OPTIC VAULT	EACH	1.00	2,500.00	2,500.00
2104.502	REMOVE DELINEATOR / MARKER	EACH	2.00	50.00	100.00
2104.502	REMOVE SIGN	EACH	112.00	77.50	8,680.00
2104.502	REMOVE OVERHEAD SIGN	EACH	1.00	10,500.00	10,500.00
2104.502	REMOVE I-BEAM SIGN	EACH	1.00	3,000.00	3,000.00
2104.502	REMOVE SIGNAL SYSTEM A	EACH	1.00	7,000.00	7,000.00
2104.502	REMOVE LIGHTING SYSTEM	EACH	1.00	3,000.00	3,000.00
2104.502	REMOVE HANDHOLE	EACH	5.00	500.00	2,500.00
2104.502	REMOVE LIGHT FOUNDATION	EACH	19.00	400.00	7,600.00
2104.502	REMOVE EXTRUDED SIGN PANEL	EACH	1.00	800.00	800.00
2104.502	REMOVE SIGN PANEL	EACH	1.00	50.00	50.00
2104.502	REMOVE MAIL BOX SUPPORT	EACH	2.00	200.00	400.00
2104.502	REMOVE CAMERA	EACH	2.00	250.00	500.00
2104.502	SALVAGE LIGHTING UNIT	EACH	1.00	600.00	600.00
2104.502	SALVAGE SIGN PANEL	EACH	2.00	80.00	160.00
2104.502	ABANDON AND SEAL WELL SHAFT	EACH	2.00	5,000.00	10,000.00
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	9.00	5.00	45.00
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	1,393.00	3.00	4,179.00
2104.503	REMOVE WATER MAIN	LIN FT	600.00	15.00	9,000.00
2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	3,137.00	18.00	56,466.00
2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	78.00	20.00	1,560.00
2104.503	REMOVE CURB AND GUTTER	LIN FT	2,978.00	4.80	14,294.40
2104.503	REMOVE BITUMINOUS CURB	LIN FT	6.00	5.00	30.00
2104.503	REMOVE CONCRETE PARKING STOPS	LIN FT	75.00	40.00	3,000.00
2104.503	REMOVE RETAINING WALL	LIN FT	350.00	25.00	8,750.00
2104.503	REMOVE FENCE	LIN FT	1,786.00	4.50	8,037.00
2104.503	REMOVE METAL PIPE RAILING	LIN FT	100.00	5.00	500.00
2104.503	REMOVE TENSION CABLE GUARDRAIL	LIN FT	682.00	5.00	3,410.00
2104.504	REMOVE CONCRETE SLAB	SQ YD	10.00	10.00	100.00

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ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM		UNIT	QUANTITY	UNIT PRICE	COST (1)
2104.504	REMOVE PAVEMENT		SQ YD	10,000.00	10.00	100,000.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT		SQ YD	1,550.00	12.00	18,600.00
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT		SQ YD	12,029.00	4.00	48,116.00
2104.504	REMOVE BITUMINOUS PAVEMENT		SQ YD	73,764.00	5.50	405,702.00
2104.518	REMOVE BITUMINOUS WALK		SQ FT	1,150.00	1.50	1,725.00
2104.518	REMOVE CONCRETE WALK		SQ FT	14,286.00	2.00	28,572.00
2104.601	REMOVE CABLES		LUMP SUM	0.50	7,500.00	3,750.00
2104.601	REMOVE SPRINKLER SYSTEM		LUMP SUM	0.50	2,000.00	1,000.00
2104.601	REMOVE MISCELLANEOUS DEBRIS		LUMP SUM	0.20	10,000.00	2,000.00
2104.601	REMOVE REGULATED WASTE MATERIAL		LUMP SUM	0.50	7,500.00	3,750.00
2104.601	HAUL SALVAGED MATERIAL		LUMP SUM	0.50	5,000.00	2,500.00
2104.602	REMOVE SIGN SPECIAL		EACH	5.00	1,100.00	5,500.00
2104.603	ABANDON WATER MAIN		LIN FT	40.00	12.00	480.00
2105.607	COMMON BORROW SPECIAL (CV)	(P)	CU YD	1,442.00	42.00	60,564.00
2106.507	EXCAVATION - COMMON	(P)	CU YD	74,516.00	12.00	894,192.00
2106.507	EXCAVATION - CHANNEL AND POND	(P)	CU YD	9,451.00	15.00	141,765.00
2106.507	SELECT GRANULAR EMBANKMENT (CV)	(P)	CU YD	47,692.00	30.00	1,430,760.00
2106.507	COMMON EMBANKMENT (CV)	(P)	CU YD	88,497.00	10.00	884,970.00
2112.604	SUBGRADE PREPARATION		SQ YD	629.00	2.00	1,258.00
2118.507	AGGREGATE SURFACING (CV) CLASS 2	(P)	CU YD	361.00	80.00	28,880.00
2123.61	TRACTOR MOUNTED BACKHOE		HOUR	40.00	150.00	6,000.00
2211.507	AGGREGATE BASE (CV) CLASS 6	(P)	CU YD	14,494.00	35.00	507,290.00
2231.509	BITUMINOUS PATCHING MIXTURE		TON	450.00	140.00	63,000.00
2231.604	BITUMINOUS PATCH SPECIAL		SQ YD	76.00	80.00	6,080.00
2232.504	MILL BITUMINOUS SURFACE		SQ YD	2,600.00	3.50	9,100.00
2301.502	DOWEL BAR		EACH	193.00	15.00	2,895.00
2331.603	JOINT ADHESIVE		LIN FT	35,484.00	0.60	21,290.40
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)		TON	23.00	90.00	2,070.00
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)		TON	132.00	90.00	11,880.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)		TON	132.00	90.00	11,880.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)		TON	11,063.00	90.00	995,670.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)		TON	14,748.00	95.00	1,401,060.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,L)		TON	2,324.00	90.00	209,160.00
2401.503	TYPE MOD P-1 BARRIER CONC (3S52)		LIN FT	422.00	150.00	63,300.00

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(P) = PLAN QUANTITY 1052605

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM		UNIT	QUANTITY	UNIT PRICE	COST (1)
2401.503	TYPE MOD P-4 (TL-4) BARRIER CONCRETE (3S52)		LIN FT	2,123.00	160.00	339,680.00
2401.503	TYPE MOD S (TL-4) BARRIER CONCRETE (3S52)		LIN FT	35.00	220.00	7,700.00
2411.502	CONCRETE INLET PAD		EACH	80.00	1,000.00	80,000.00
2411.507	STRUCTURAL CONCRETE (1G52)	(P)	CU YD	98.00	600.00	58,800.00
2411.507	STRUCTURAL CONCRETE (3B52)	(P)	CU YD	850.00	1,000.00	850,000.00
2411.507	STRUCTURAL CONCRETE (3G52)	(P)	CU YD	101.00	1,100.00	111,100.00
2411.508	REINFORCEMENT BARS	(P)	POUND	7,945.00	1.75	13,903.75
2411.508	REINFORCEMENT BARS (EPOXY COATED)	(P)	POUND	175,389.00	2.00	350,778.00
2411.604	MECHANICALLY STABILIZED EARTH WALL	(P)	SQ YD	3,872.00	700.00	2,710,400.00
2411.618	CONCRETE ABSORPTIVE NOISE WALL	(P)	SQ FT	16,575.00	95.00	1,574,625.00
2451.507	STRUCTURE EXCAVATION CLASS U	(P)	CU YD	3,494.00	15.00	52,410.00
2451.507	FINE AGGREGATE BEDDING (CV)	(P)	CU YD	269.00	55.00	14,795.00
2451.607	STRUCTURAL BACKFILL	(P)	CU YD	567.00	30.00	17,010.00
2451.607	STRUCTURAL BACKFILL (MOD)	(P)	CU YD	18,630.00	25.00	465,750.00
2475.503	ORNAMENTAL METAL RAILING DESIGN T-4 PC		LIN FT	208.00	250.00	52,000.00
2501.502	12" RC PIPE APRON		EACH	1.00	1,000.00	1,000.00
2501.502	15" RC PIPE APRON		EACH	8.00	1,200.00	9,600.00
2501.502	18" RC PIPE APRON		EACH	1.00	1,500.00	1,500.00
2501.502	24" RC PIPE APRON		EACH	1.00	1,900.00	1,900.00
2501.502	27" RC PIPE APRON		EACH	1.00	2,100.00	2,100.00
2501.502	30" RC PIPE APRON		EACH	1.00	2,200.00	2,200.00
2501.502	36" RC PIPE APRON		EACH	2.00	2,500.00	5,000.00
2501.502	42" RC PIPE APRON		EACH	1.00	2,700.00	2,700.00
2501.502	48" RC PIPE APRON		EACH	1.00	3,000.00	3,000.00
2501.502	28" SPAN CAS SAFETY APRON		EACH	2.00	1,000.00	2,000.00
2501.502	18" RC SAFETY APRON		EACH	2.00	1,800.00	3,600.00
2501.502	24" RC SAFETY APRON		EACH	1.00	2,000.00	2,000.00
2501.503	15" RC PIPE CULVERT DESIGN 3006 CLASS V		LIN FT	41.00	80.00	3,280.00
2501.503	18" RC PIPE CULVERT DESIGN 3006 CLASS III		LIN FT	33.00	90.00	2,970.00
2501.503	36" RC PIPE CULVERT DESIGN 3006 CLASS V		LIN FT	206.00	175.00	36,050.00
2501.602	TRASH GUARD FOR 24" PIPE APRON		EACH	1.00	2,000.00	2,000.00
2501.602	TRASH GUARD FOR 36" PIPE APRON		EACH	1.00	2,500.00	2,500.00
2502.503	4" TP PIPE DRAIN		LIN FT	344.00	15.00	5,160.00
2502.503	4" PERF TP PIPE DRAIN		LIN FT	8,123.00	12.00	97,476.00

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(P) = PLAN QUANTITY 1052605

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (1)
2502.601	DRAINAGE SYSTEM	LUMP SUM	0.10	17,000.00	1,700.00
2503.503	8" PVC PIPE SEWER	LIN FT	6.00	65.00	390.00
2503.503	28" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	119.00	150.00	17,850.00
2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	1,159.00	60.00	69,540.00
2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	1,861.00	65.00	120,965.00
2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1,108.00	70.00	77,560.00
2503.503	21" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	580.00	80.00	46,400.00
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1,006.00	85.00	85,510.00
2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1,000.00	100.00	100,000.00
2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	517.00	120.00	62,040.00
2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	66.00	150.00	9,900.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	674.00	150.00	101,100.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	411.00	200.00	82,200.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	67.00	250.00	16,750.00
2503.503	48" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	16.00	250.00	4,000.00
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	1.00	3,000.00	3,000.00
2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1.00	3,000.00	3,000.00
2503.603	PLUG FILL AND ABANDON PIPE SEWER	LIN FT	37.00	70.00	2,590.00
2503.603	28" STEEL CASING PIPE	LIN FT	5.00	350.00	1,750.00
2503.603	36" STEEL CASING PIPE	LIN FT	30.00	350.00	10,500.00
2503.603	48" STEEL CASING PIPE	LIN FT	25.00	750.00	18,750.00
2503.603	72" STEEL CASING PIPE	LIN FT	28.00	1,250.00	35,000.00
2506.502	CASTING ASSEMBLY	EACH	120.00	900.00	108,000.00
2506.502	ADJUST FRAME AND RING CASTING	EACH	6.00	800.00	4,800.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	9.00	450.00	4,050.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	157.00	450.00	70,650.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	28.00	750.00	21,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	20.00	1,100.00	22,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-72	LIN FT	4.00	1,500.00	6,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	222.00	525.00	116,550.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	76.00	750.00	57,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	44.00	875.00	38,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 84-4020	LIN FT	19.00	1,500.00	28,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 96-4020	LIN FT	9.00	2,000.00	18,000.00

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2506.601	INFILTRATION/FILTRATION SYSTEM	LUMP SUM	0.50	20,000.00	10,000.00
2506.602	MANHOLE RISER COVER PLATE	EACH	7.00	1,000.00	7,000.00
2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 2	EACH	1.00	20,000.00	20,000.00
2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 5	EACH	1.00	20,000.00	20,000.00
2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	242.00	6.00	1,452.00
2511.507	RANDOM RIPRAP CLASS III	CU YD	180.00	105.00	18,900.00
2521.518	4" CONCRETE WALK	SQ FT	33,523.00	6.00	201,138.00
2521.518	6" CONCRETE WALK	SQ FT	137.00	12.00	1,644.00
2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)	EACH	3.00	16.00	48.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B424	LIN FT	2,951.00	30.00	88,530.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B612	LIN FT	36.00	24.00	864.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	76.00	26.00	1,976.00
2531.503	CONCRETE CURB AND GUTTER DESIGN D412	LIN FT	336.00	24.00	8,064.00
2531.503	CONCRETE CURB AND GUTTER DESIGN D424	LIN FT	6,203.00	26.00	161,278.00
2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	15.00	90.00	1,350.00
2533.503	CONC MED BAR DES SINGLE SLOPE TYPE 42A	LIN FT	6,026.00	130.00	783,380.00
2533.503	CONC MED BAR DES SGL SLOPE TYPE 42A STEP	LIN FT	1,664.00	350.00	582,400.00
2533.503	CONC MED BAR DES SGL SLOPE TYPE 42 TRANS	LIN FT	30.00	350.00	10,500.00
2533.503	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	20,798.00	17.00	353,566.00
2533.503	RELOCATE PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	12,211.00	4.00	48,844.00
2533.503	RELOCATE PORTABLE PRECAST CONCRETE BARRIER DES 8337-ANCHORED	LIN FT	188.00	15.00	2,820.00
2533.603	CONCRETE MEDIAN BARRIER SPECIAL	LIN FT	1,594.00	275.00	438,350.00
2533.603	CONCRETE MEDIAN BARRIER DESIGN SPECIAL 1	LIN FT	476.00	300.00	142,800.00
2540.602	RELOCATE MAIL BOX SUPPORT	EACH	3.00	1,000.00	3,000.00
2545.501	LIGHTING SYSTEM "A"	LUMP SUM	1.00	140,000.00	140,000.00
2545.501	LIGHTING SYSTEM "C"	LUMP SUM	1.00	88,000.00	88,000.00
2545.602	INSTALL LIGHTING UNIT	EACH	1.00	850.00	850.00
2550.502	CABINET FOUNDATION	EACH	1.00	2,500.00	2,500.00
2550.502	SERVICE FOUNDATION	EACH	2.00	1,500.00	3,000.00
2550.502	CCTV FOUNDATION	EACH	2.00	4,000.00	8,000.00
2550.502	RAMP CONTROL SIGNAL FOUNDATION	EACH	2.00	1,500.00	3,000.00
2550.502	FIBEROPTIC SPLICE VAULT	EACH	1.00	5,250.00	5,250.00
2550.502	OUTDOOR FIBER SPLICE ENCLOSURE	EACH	1.00	1,500.00	1,500.00
2550.502	RAMP CONTROL SIGNAL DESIGN ONE-WAY	EACH	2.00	4,500.00	9,000.00

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ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (1)
2550.502	CCTV CABINET	EACH	2.00	4,000.00	8,000.00
2550.502	INSTALL CABINET	EACH	1.00	750.00	750.00
2550.502	SERVICE CABINET	EACH	2.00	3,500.00	7,000.00
2550.503	1.5" NON-METALLIC CONDUIT	LIN FT	6,348.00	4.50	28,566.00
2550.503	2" NON-METALLIC CONDUIT	LIN FT	2,210.00	6.00	13,260.00
2550.503	POWER CABLE 1 CONDUCTOR NO 6	LIN FT	4,520.00	2.00	9,040.00
2550.503	POWER CABLE 3 CONDUCTOR NO 14	LIN FT	40.00	4.50	180.00
2550.503	SIGNAL CONTROL CABLE 6 COND NO 14	LIN FT	1,010.00	3.00	3,030.00
2550.503	LEAD-IN CABLE 2 CONDUCTOR NO 14	LIN FT	2,795.00	1.75	4,891.25
2550.601	TEMPORARY COMMUNICATION SYSTEM	LUMP SUM	0.50	40,000.00	20,000.00
2550.601	FIBER OPTIC CABLE TESTING	LUMP SUM	0.50	12,500.00	6,250.00
2550.602	CCTV HARDWARE	EACH	2.00	30,000.00	60,000.00
2550.602	FIBER OPTIC PIGTAIL TERMINATION	EACH	4.00	1,500.00	6,000.00
2550.602	FIBER OPTIC CABLE SPLICING	EACH	2.00	2,000.00	4,000.00
2550.602	BURIED CABLE SIGN	EACH	23.00	175.00	4,025.00
2550.602	PULL VAULT	EACH	10.00	2,000.00	20,000.00
2550.602	SERVICE CABINET TYPE SPECIAL	EACH	1.00	9,000.00	9,000.00
2550.602	LOOP DETECTOR DESIGN PREFORMED	EACH	5.00	1,950.00	9,750.00
2550.603	ARMORED FIBER OPTIC PIGTAIL CABLE 6SM	LIN FT	1,835.00	2.25	4,128.75
2550.603	FIBER OPTIC TRUNK CABLE 36SM	LIN FT	4,800.00	2.00	9,600.00
2550.603	1.5" BORED CONDUIT	LIN FT	275.00	15.00	4,125.00
2550.603	2" BORED CONDUIT	LIN FT	423.00	17.50	7,402.50
2554.502	GUIDE POST TYPE B	EACH	20.00	85.00	1,700.00
2554.502	ANCHORAGE ASSEMBLY - TYPE 31	EACH	5.00	1,600.00	8,000.00
2554.502	ANCHORAGE ASSEMBLY - TENSION CABLE	EACH	1.00	6,000.00	6,000.00
2554.502	END TREATMENT-TANGENT TERMINAL	EACH	4.00	3,500.00	14,000.00
2554.503	TRAFFIC BARRIER DESIGN TYPE 31	LIN FT	731.50	35.00	25,602.50
2554.503	TRAFFIC BARRIER DESIGN TRANSITION TYPE 31	LIN FT	56.50	180.00	10,170.00
2554.602	POST IN CONCRETE	EACH	13.00	150.00	1,950.00
2554.603	TENSION CABLE GUARDRAIL	LIN FT	413.00	35.00	14,455.00
2554.615	IMPACT ATTENUATOR	ASSEMBLY	2.00	40,000.00	80,000.00
2557.502	PEDESTRIAN GATE	EACH	1.00	1,800.00	1,800.00
2557.502	ELECTRICAL GROUND	EACH	13.00	275.00	3,575.00
2557.503	WIRE FENCE DESIGN 60-9322	LIN FT	9,250.00	40.00	370,000.00

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2557.603	TEMPORARY GLARE SCREEN	LIN FT	6,656.00	4.00	26,624.00
2557.604	FENCING SPECIAL	SQ YD	534.00	8.00	4,272.00
2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	0.50	128,000.00	64,000.00
2563.601	TRAFFIC CONTROL	LUMP SUM	0.28	950,000.00	266,000.00
2563.601	ALTERNATE PEDESTRIAN ROUTE	LUMP SUM	0.50	15,000.00	7,500.00
2563.602	TEMPORARY OVERHEAD SIGN STRUCTURE	EACH	1.00	20,000.00	20,000.00
2563.602	LINEAR DELINEATION PANEL	EACH	860.00	25.00	21,500.00
2563.602	PORTABLE BARRIER DELINEATOR	EACH	1,321.00	9.00	11,889.00
2563.602	TUBULAR MARKER	EACH	120.00	35.00	4,200.00
2563.602	VEHICLE SPEED FEEDBACK SIGN	EACH	1.00	3,000.00	3,000.00
2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	180.00	150.00	27,000.00
2563.615	TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	23.00	3,200.00	73,600.00
2563.615	RELOCATE TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	2.00	1,500.00	3,000.00
2564.502	INSTALL SIGN PANEL	EACH	2.00	315.00	630.00
2564.502	INFILTRATION AREA MARKER	EACH	3.00	150.00	450.00
2564.602	DELINEATOR / MARKER	EACH	12.00	90.00	1,080.00
2564.602	DELINEATOR / MARKER PANEL	EACH	6.00	55.00	330.00
2564.607	CONCRETE FOOTING (OVERHEAD SPREAD)	CU YD	49.00	1,300.00	63,700.00
2564.608	STRUCTURAL STEEL - I-BEAM SIGN	POUND	4,146.00	5.00	20,730.00
2564.608	STRUCTURAL STEEL-OVERHEAD SIGN POST	POUND	16,062.00	3.30	53,004.60
2564.608	STRUCTURAL STEEL-OVERHEAD SIGN TRUSS	POUND	19,355.00	3.30	63,871.50
2564.608	STRUCTURAL STEEL-PANEL MOUNTING POST	POUND	2,121.00	3.30	6,999.30
2564.618	SIGN	SQ FT	684.00	80.00	54,720.00
2564.618	SIGN PANEL OVERLAY	SQ FT	1,552.00	30.00	46,560.00
2564.618	EXTRUDED PANEL	SQ FT	1,480.00	30.00	44,400.00
2565.616	TEMPORARY SIGNAL SYSTEM A	SYSTEM	0.50	200,000.00	100,000.00
2565.616	TEMPORARY SIGNAL SYSTEM B	SYSTEM	0.50	100,000.00	50,000.00
2572.503	TEMPORARY FENCE	LIN FT	265.00	5.00	1,325.00
2572.503	CLEAN ROOT CUTTING	LIN FT	252.00	7.00	1,764.00
2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	0.50	16,000.00	8,000.00
2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	0.50	15,000.00	7,500.00
2573.502	STORM DRAIN INLET PROTECTION	EACH	114.00	190.00	21,660.00
2573.502	CULVERT END CONTROLS	EACH	10.00	200.00	2,000.00
2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER	LIN FT	33.00	30.00	990.00

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2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER		LIN FT	1,653.00	4.00	6,612.00
2574.505	SUBSOILING	(P)	ACRE	15.00	350.00	5,250.00
2574.505	SOIL BED PREPARATION	(P)	ACRE	15.00	150.00	2,250.00
2574.507	COMPOST GRADE 2		CU YD	3,803.00	45.00	171,135.00
2574.508	FERTILIZER TYPE 3		POUND	4,048.00	1.00	4,048.00
2574.508	FERTILIZER TYPE 4		POUND	109.00	1.50	163.50
2574.509	LIME		TON	43.00	200.00	8,600.00
2575.504	RAPID STABILIZATION METHOD 4		SQ YD	24,637.00	2.00	49,274.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 10		SQ YD	3,454.00	2.00	6,908.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 25		SQ YD	17,102.00	2.00	34,204.00
2575.505	SEEDING	(P)	ACRE	15.00	300.00	4,500.00
2575.505	MOWING		ACRE	43.00	500.00	21,500.00
2575.505	WEED SPRAYING		ACRE	7.10	300.00	2,130.00
2575.506	WEED SPRAY MIXTURE		GALLON	3.60	100.00	360.00
2575.508	SEED MIXTURE 25-121		POUND	304.00	4.50	1,368.00
2575.508	SEED MIXTURE 25-131		POUND	116.00	4.50	522.00
2575.508	SEED MIXTURE 33-261		POUND	25.00	25.00	625.00
2575.508	SEED MIXTURE 35-221		POUND	290.00	25.00	7,250.00
2575.508	HYDRAULIC REINFORCED FIBER MATRIX		POUND	35,303.00	2.00	70,606.00
2575.523	RAPID STABILIZATION METHOD 3		M GALLON	55.00	650.00	35,750.00
2580.503	INTERIM PAVEMENT MARKING		LIN FT	38,917.00	0.40	15,566.80
2580.603	PAVEMENT MARKING - LATE SEASON		LIN FT	26,719.00	0.95	25,383.05
2580.618	PAVEMENT MESSAGE - LATE SEASON		SQ FT	225.00	20.00	4,500.00
2581.503	6" REMOVABLE PREFORMED PAVEMENT MARKING TAPE		LIN FT	270.00	20.00	5,400.00
2581.618	REMOVABLE PREFORMED PLASTIC MASK (BLACK)		SQ FT	100.00	20.00	2,000.00
2582.503	6" SOLID LINE PAINT (WR)		LIN FT	52,832.00	0.80	42,265.60
2582.503	8" SOLID LINE PAINT (WR)		LIN FT	152.00	1.00	152.00
2582.503	24" SOLID LINE PAINT (WR)		LIN FT	232.00	15.00	3,480.00
2582.503	4" BROKEN LINE PAINT (WR)		LIN FT	3,011.00	0.50	1,505.50
2582.503	6" DOTTED LINE PAINT (WR)		LIN FT	1,071.00	1.00	1,071.00
2582.503	8" DOTTED LINE PAINT (WR)		LIN FT	43.00	1.20	51.60
2582.503	4" DOUBLE SOLID LINE PAINT (WR)		LIN FT	1,919.00	1.00	1,919.00
2582.503	4" SOLID LINE MULTI-COMPONENT (WR)		LIN FT	619.00	0.85	526.15
2582.503	24" SOLID LINE MULTI-COMPONENT (WR)		LIN FT	50.00	20.00	1,000.00

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2582.503	4" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	6,755.00	1.10	7,430.50
2582.503	6" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	24,252.00	1.50	36,378.00
2582.503	10" SOLID LINE PREFORM TAPE GROUND IN (WR)	LIN FT	2,783.00	16.00	44,528.00
2582.503	4" BROKEN LINE PREFORM TAPE GROUND IN (WR)	LIN FT	2,450.00	6.50	15,925.00
2582.503	10" DOTTED LINE PREFORM TAPE GROUND IN (WR)	LIN FT	1,073.00	16.00	17,168.00
2582.518	PAVEMENT MESSAGE PAINT	SQ FT	264.00	10.00	2,640.00
2582.518	CROSSWALK PAINT	SQ FT	488.00	7.00	3,416.00
				TOTAL	32,955,613.50
	(1) 80% NHFP FEDERAL		10,000,000.00		
	20% STATE BOND FUNDS (CAPPED)		**2,000,000.00**		
	80% INFRA FEDERAL		6,132,317.40		
	20% STATE BOND FUNDS (CAPPED)		**1,226,463.48**		
	REMAINDER 100% COUNTY FUNDS		13,596,832.62		

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-657-003 TH 10 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (2)
2011.601	SETTLEMENT MONITORING	LUMP SUM	0.20	150,000.00	30,000.00
2011.601	AS BUILT	LUMP SUM	0.50	80,000.00	40,000.00
2016.601	CONTRACT MANAGEMENT	LUMP SUM	0.50	30,000.00	15,000.00
2016.601	QUALITY MANAGEMENT - THERMAL PROFILING	LUMP SUM	0.50	25,000.00	12,500.00
2016.601	QUALITY MANAGEMENT - INTELLIGENT COMPACTION	LUMP SUM	0.50	40,000.00	20,000.00
2021.501	MOBILIZATION	LUMP SUM	0.28	5,500,000.00	1,540,000.00
2031.502	FIELD OFFICE	EACH	0.28	120,000.00	33,600.00
2031.502	FIELD LABORATORY	EACH	0.28	75,000.00	21,000.00
2101.502	CLEARING	EACH	93.00	250.00	23,250.00
2101.502	GRUBBING	EACH	93.00	250.00	23,250.00
2101.505	CLEARING (P)	ACRE	0.20	7,000.00	1,400.00
2101.505	GRUBBING (P)	ACRE	0.20	7,000.00	1,400.00
2102.503	PAVEMENT MARKING REMOVAL	LIN FT	35,091.00	0.85	29,827.35
2102.518	PAVEMENT MARKING REMOVAL	SQ FT	1,167.00	4.50	5,251.50
2103.501	BUILDING REMOVAL D	LUMP SUM	1.00	100,000.00	100,000.00
2103.501	BUILDING REMOVAL E	LUMP SUM	1.00	20,000.00	20,000.00
2103.501	BUILDING REMOVAL F	LUMP SUM	1.00	25,000.00	25,000.00
2103.501	BUILDING REMOVAL G	LUMP SUM	1.00	20,000.00	20,000.00
2103.501	BUILDING REMOVAL I	LUMP SUM	1.00	35,000.00	35,000.00
2103.501	BUILDING REMOVAL J	LUMP SUM	1.00	25,000.00	25,000.00
2103.502	DISCONNECT SEWER SERVICE	EACH	2.00	2,500.00	5,000.00
2103.502	DISCONNECT WATER SERVICE	EACH	2.00	4,000.00	8,000.00
2104.502	REMOVE VEHICULAR GATE	EACH	3.00	1,000.00	3,000.00
2104.502	REMOVE PIPE APRON	EACH	29.00	210.00	6,090.00
2104.502	REMOVE ANCHORAGE ASSEMBLY - TENSION CABLE	EACH	1.00	4,000.00	4,000.00
2104.502	REMOVE MISCELLANEOUS STRUCTURES	EACH	6.00	3,000.00	18,000.00
2104.502	REMOVE CONCRETE NOSE	EACH	1.00	1,500.00	1,500.00
2104.502	REMOVE SEPTIC TANK	EACH	2.00	2,100.00	4,200.00
2104.502	REMOVE BOLLARDS	EACH	21.00	220.00	4,620.00
2104.502	REMOVE POST	EACH	7.00	270.00	1,890.00
2104.502	REMOVE LIGHTING UNIT	EACH	20.00	400.00	8,000.00
2104.502	REMOVE GUIDE POST	EACH	37.00	100.00	3,700.00
2104.502	REMOVE CONCRETE STEPS	EACH	1.00	500.00	500.00
2104.502	REMOVE MANHOLE	EACH	1.00	1,000.00	1,000.00

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2104.502	REMOVE GATE VALVE AND BOX	EACH	2.00	550.00	1,100.00
2104.502	REMOVE DRAINAGE STRUCTURE	EACH	27.00	550.00	14,850.00
2104.502	REMOVE CONCRETE FLUME	EACH	3.00	50.00	150.00
2104.502	REMOVE WOOD POLE	EACH	1.00	400.00	400.00
2104.502	REMOVE LIGHT POLE	EACH	1.00	450.00	450.00
2104.502	REMOVE FOUNDATION	EACH	4.00	1,000.00	4,000.00
2104.502	REMOVE CASTING	EACH	4.00	250.00	1,000.00
2104.502	REMOVE FIBER OPTIC VAULT	EACH	1.00	2,500.00	2,500.00
2104.502	REMOVE DELINEATOR / MARKER	EACH	2.00	50.00	100.00
2104.502	REMOVE SIGN	EACH	112.00	77.50	8,680.00
2104.502	REMOVE SIGNAL SYSTEM B	EACH	1.00	7,000.00	7,000.00
2104.502	REMOVE HANDHOLE	EACH	4.00	500.00	2,000.00
2104.502	REMOVE LIGHT FOUNDATION	EACH	20.00	400.00	8,000.00
2104.502	REMOVE SIGN PANEL	EACH	1.00	50.00	50.00
2104.502	REMOVE MAIL BOX SUPPORT	EACH	2.00	200.00	400.00
2104.502	REMOVE CAMERA	EACH	2.00	250.00	500.00
2104.502	SALVAGE STRUCTURE	EACH	1.00	3,000.00	3,000.00
2104.502	SALVAGE SIGN PANEL	EACH	2.00	80.00	160.00
2104.502	ABANDON AND SEAL WELL SHAFT	EACH	2.00	5,000.00	10,000.00
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	8.00	5.00	40.00
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	1,392.00	3.00	4,176.00
2104.503	REMOVE WATER MAIN	LIN FT	600.00	15.00	9,000.00
2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	3,137.00	18.00	56,466.00
2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	77.00	20.00	1,540.00
2104.503	REMOVE CURB AND GUTTER	LIN FT	2,978.00	4.80	14,294.40
2104.503	REMOVE BITUMINOUS CURB	LIN FT	5.00	5.00	25.00
2104.503	REMOVE CONCRETE PARKING STOPS	LIN FT	75.00	40.00	3,000.00
2104.503	REMOVE RETAINING WALL	LIN FT	350.00	25.00	8,750.00
2104.503	REMOVE FENCE	LIN FT	1,785.00	4.50	8,032.50
2104.503	REMOVE METAL PIPE RAILING	LIN FT	99.00	5.00	495.00
2104.503	REMOVE TENSION CABLE GUARDRAIL	LIN FT	682.00	5.00	3,410.00
2104.504	REMOVE CONCRETE SLAB	SQ YD	9.00	10.00	90.00
2104.504	REMOVE PAVEMENT	SQ YD	10,000.00	10.00	100,000.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	1,549.00	12.00	18,588.00

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2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT		SQ YD	12,029.00	4.00	48,116.00
2104.504	REMOVE BITUMINOUS PAVEMENT		SQ YD	73,763.00	5.50	405,696.50
2104.518	REMOVE BITUMINOUS WALK		SQ FT	1,150.00	1.50	1,725.00
2104.518	REMOVE CONCRETE WALK		SQ FT	14,286.00	2.00	28,572.00
2104.601	REMOVE CABLES		LUMP SUM	0.50	7,500.00	3,750.00
2104.601	REMOVE SPRINKLER SYSTEM		LUMP SUM	0.50	2,000.00	1,000.00
2104.601	REMOVE MISCELLANEOUS DEBRIS		LUMP SUM	0.20	10,000.00	2,000.00
2104.601	REMOVE REGULATED WASTE MATERIAL		LUMP SUM	0.50	7,500.00	3,750.00
2104.601	HAUL SALVAGED MATERIAL		LUMP SUM	0.50	5,000.00	2,500.00
2104.602	REMOVE SIGN SPECIAL		EACH	5.00	1,100.00	5,500.00
2104.603	ABANDON WATER MAIN		LIN FT	40.00	12.00	480.00
2105.607	COMMON BORROW SPECIAL (CV)	(P)	CU YD	1,441.00	42.00	60,522.00
2106.507	EXCAVATION - COMMON	(P)	CU YD	74,516.00	12.00	894,192.00
2106.507	EXCAVATION - CHANNEL AND POND	(P)	CU YD	9,451.00	15.00	141,765.00
2106.507	SELECT GRANULAR EMBANKMENT (CV)	(P)	CU YD	47,691.00	30.00	1,430,730.00
2106.507	COMMON EMBANKMENT (CV)	(P)	CU YD	88,497.00	10.00	884,970.00
2112.604	SUBGRADE PREPARATION		SQ YD	629.00	2.00	1,258.00
2118.507	AGGREGATE SURFACING (CV) CLASS 2	(P)	CU YD	361.00	80.00	28,880.00
2123.61	TRACTOR MOUNTED BACKHOE		HOUR	40.00	150.00	6,000.00
2211.507	AGGREGATE BASE (CV) CLASS 6	(P)	CU YD	14,493.00	35.00	507,255.00
2231.509	BITUMINOUS PATCHING MIXTURE		TON	450.00	140.00	63,000.00
2231.604	BITUMINOUS PATCH SPECIAL		SQ YD	76.00	80.00	6,080.00
2232.504	MILL BITUMINOUS SURFACE		SQ YD	2,600.00	3.50	9,100.00
2301.502	DOWEL BAR		EACH	192.00	15.00	2,880.00
2331.603	JOINT ADHESIVE		LIN FT	35,484.00	0.60	21,290.40
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)		TON	24.00	90.00	2,160.00
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)		TON	132.00	90.00	11,880.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)		TON	132.00	90.00	11,880.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)		TON	11,063.00	90.00	995,670.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)		TON	14,748.00	95.00	1,401,060.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,L)		TON	2,325.00	90.00	209,250.00
2401.503	TYPE MOD P-1 BARRIER CONC (3S52)		LIN FT	422.00	150.00	63,300.00
2401.503	TYPE MOD P-4 (TL-4) BARRIER CONCRETE (3S52)		LIN FT	2,122.00	160.00	339,520.00
2401.503	TYPE MOD S (TL-4) BARRIER CONCRETE (3S52)		LIN FT	35.00	220.00	7,700.00

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-657-003 TH 10 WORK ITEM		UNIT	QUANTITY	UNIT PRICE	COST (2)
2411.502	CONCRETE INLET PAD		EACH	80.00	1,000.00	80,000.00
2411.507	STRUCTURAL CONCRETE (1G52)	(P)	CU YD	98.00	600.00	58,800.00
2411.507	STRUCTURAL CONCRETE (3B52)	(P)	CU YD	850.00	1,000.00	850,000.00
2411.507	STRUCTURAL CONCRETE (3G52)	(P)	CU YD	100.00	1,100.00	110,000.00
2411.508	REINFORCEMENT BARS	(P)	POUND	7,945.00	1.75	13,903.75
2411.508	REINFORCEMENT BARS (EPOXY COATED)	(P)	POUND	175,388.00	2.00	350,776.00
2411.604	MECHANICALLY STABILIZED EARTH WALL	(P)	SQ YD	3,873.00	700.00	2,711,100.00
2411.618	CONCRETE ABSORPTIVE NOISE WALL	(P)	SQ FT	16,575.00	95.00	1,574,625.00
2451.507	STRUCTURE EXCAVATION CLASS U	(P)	CU YD	3,495.00	15.00	52,425.00
2451.507	FINE AGGREGATE BEDDING (CV)	(P)	CU YD	269.00	55.00	14,795.00
2451.607	STRUCTURAL BACKFILL	(P)	CU YD	567.00	30.00	17,010.00
2451.607	STRUCTURAL BACKFILL (MOD)	(P)	CU YD	18,629.00	25.00	465,725.00
2475.503	ORNAMENTAL METAL RAILING DESIGN T-4 PC		LIN FT	209.00	250.00	52,250.00
2501.502	15" RC PIPE APRON		EACH	8.00	1,200.00	9,600.00
2501.502	27" RC PIPE APRON		EACH	1.00	2,100.00	2,100.00
2501.502	36" RC PIPE APRON		EACH	1.00	2,500.00	2,500.00
2501.502	42" RC PIPE APRON		EACH	1.00	2,700.00	2,700.00
2501.502	28" SPAN CAS SAFETY APRON		EACH	2.00	1,000.00	2,000.00
2501.502	18" RC SAFETY APRON		EACH	2.00	1,800.00	3,600.00
2501.503	15" RC PIPE CULVERT DESIGN 3006 CLASS V		LIN FT	40.00	80.00	3,200.00
2501.503	18" RC PIPE CULVERT DESIGN 3006 CLASS III		LIN FT	34.00	90.00	3,060.00
2501.503	36" RC PIPE CULVERT DESIGN 3006 CLASS V		LIN FT	207.00	175.00	36,225.00
2502.503	4" TP PIPE DRAIN		LIN FT	344.00	15.00	5,160.00
2502.503	4" PERF TP PIPE DRAIN		LIN FT	8,122.00	12.00	97,464.00
2502.601	DRAINAGE SYSTEM		LUMP SUM	0.10	17,000.00	1,700.00
2503.503	8" PVC PIPE SEWER		LIN FT	5.00	65.00	325.00
2503.503	28" SPAN RC PIPE-ARCH SEWER CLASS IIA		LIN FT	118.00	150.00	17,700.00
2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V		LIN FT	1,158.00	60.00	69,480.00
2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V		LIN FT	1,860.00	65.00	120,900.00
2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	1,108.00	70.00	77,560.00
2503.503	21" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	579.00	80.00	46,320.00
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	1,006.00	85.00	85,510.00
2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	1,000.00	100.00	100,000.00
2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	516.00	120.00	61,920.00

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2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	66.00	150.00	9,900.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	673.00	150.00	100,950.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	411.00	200.00	82,200.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	67.00	250.00	16,750.00
2503.503	48" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	15.00	250.00	3,750.00
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	1.00	3,000.00	3,000.00
2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1.00	3,000.00	3,000.00
2503.603	PLUG FILL AND ABANDON PIPE SEWER	LIN FT	38.00	70.00	2,660.00
2503.603	28" STEEL CASING PIPE	LIN FT	5.00	350.00	1,750.00
2503.603	36" STEEL CASING PIPE	LIN FT	30.00	350.00	10,500.00
2503.603	48" STEEL CASING PIPE	LIN FT	25.00	750.00	18,750.00
2503.603	72" STEEL CASING PIPE	LIN FT	27.00	1,250.00	33,750.00
2506.502	CASTING ASSEMBLY	EACH	119.00	900.00	107,100.00
2506.502	ADJUST FRAME AND RING CASTING	EACH	5.00	800.00	4,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	8.00	450.00	3,600.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	156.00	450.00	70,200.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	28.00	750.00	21,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	20.00	1,100.00	22,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-72	LIN FT	3.00	1,500.00	4,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	222.00	525.00	116,550.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	76.00	750.00	57,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	44.00	875.00	38,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 84-4020	LIN FT	18.00	1,500.00	27,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 96-4020	LIN FT	8.00	2,000.00	16,000.00
2506.601	INFILTRATION/FILTRATION SYSTEM	LUMP SUM	0.50	20,000.00	10,000.00
2506.602	INSTALL STRUCTURE	EACH	1.00	75,000.00	75,000.00
2506.602	MANHOLE RISER COVER PLATE	EACH	2.00	1,000.00	2,000.00
2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	241.00	6.00	1,446.00
2511.507	RANDOM RIPRAP CLASS III	CU YD	180.00	105.00	18,900.00
2521.518	4" CONCRETE WALK	SQ FT	33,523.00	6.00	201,138.00
2521.518	6" CONCRETE WALK	SQ FT	138.00	12.00	1,656.00
2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)	EACH	2.00	16.00	32.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B424	LIN FT	2,952.00	30.00	88,560.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B612	LIN FT	35.00	24.00	840.00

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2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	75.00	26.00	1,950.00
2531.503	CONCRETE CURB AND GUTTER DESIGN D412	LIN FT	335.00	24.00	8,040.00
2531.503	CONCRETE CURB AND GUTTER DESIGN D424	LIN FT	6,203.00	26.00	161,278.00
2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	14.00	90.00	1,260.00
2533.503	CONC MED BAR DES SINGLE SLOPE TYPE 42A	LIN FT	6,025.00	130.00	783,250.00
2533.503	CONC MED BAR DES SGL SLOPE TYPE 42A STEP	LIN FT	1,664.00	350.00	582,400.00
2533.503	CONC MED BAR DES SGL SLOPE TYPE 42 TRANS	LIN FT	30.00	350.00	10,500.00
2533.503	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	20,798.00	17.00	353,566.00
2533.503	RELOCATE PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	12,210.00	4.00	48,840.00
2533.503	RELOCATE PORTABLE PRECAST CONCRETE BARRIER DES 8337-ANCHORED	LIN FT	187.00	15.00	2,805.00
2533.603	CONCRETE MEDIAN BARRIER SPECIAL	LIN FT	1,593.00	275.00	438,075.00
2533.603	CONCRETE MEDIAN BARRIER DESIGN SPECIAL 1	LIN FT	475.00	300.00	142,500.00
2540.602	RELOCATE MAIL BOX SUPPORT	EACH	3.00	1,000.00	3,000.00
2545.501	LIGHTING SYSTEM "B"	LUMP SUM	1.00	141,000.00	141,000.00
2545.501	LIGHTING SYSTEM "D"	LUMP SUM	1.00	122,000.00	122,000.00
2550.502	CABINET FOUNDATION	EACH	1.00	2,500.00	2,500.00
2550.502	SERVICE FOUNDATION	EACH	1.00	1,500.00	1,500.00
2550.502	CCTV FOUNDATION	EACH	1.00	4,000.00	4,000.00
2550.502	RAMP CONTROL SIGNAL FOUNDATION	EACH	2.00	1,500.00	3,000.00
2550.502	FIBEROPTIC SPLICE VAULT	EACH	1.00	5,250.00	5,250.00
2550.502	OUTDOOR FIBER SPLICE ENCLOSURE	EACH	1.00	1,500.00	1,500.00
2550.502	RAMP CONTROL SIGNAL DESIGN ONE-WAY	EACH	2.00	4,500.00	9,000.00
2550.502	CCTV CABINET	EACH	1.00	4,000.00	4,000.00
2550.502	INSTALL CABINET	EACH	1.00	750.00	750.00
2550.502	SERVICE CABINET	EACH	1.00	3,500.00	3,500.00
2550.503	1.5" NON-METALLIC CONDUIT	LIN FT	6,347.00	4.50	28,561.50
2550.503	2" NON-METALLIC CONDUIT	LIN FT	2,210.00	6.00	13,260.00
2550.503	POWER CABLE 1 CONDUCTOR NO 6	LIN FT	4,520.00	2.00	9,040.00
2550.503	POWER CABLE 3 CONDUCTOR NO 14	LIN FT	40.00	4.50	180.00
2550.503	SIGNAL CONTROL CABLE 6 COND NO 14	LIN FT	1,010.00	3.00	3,030.00
2550.503	LEAD-IN CABLE 2 CONDUCTOR NO 14	LIN FT	2,795.00	1.75	4,891.25
2550.601	TEMPORARY COMMUNICATION SYSTEM	LUMP SUM	0.50	40,000.00	20,000.00
2550.601	FIBER OPTIC CABLE TESTING	LUMP SUM	0.50	12,500.00	6,250.00
2550.602	CCTV HARDWARE	EACH	1.00	30,000.00	30,000.00

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2550.602	FIBER OPTIC PIGTAIL TERMINATION	EACH	3.00	1,500.00	4,500.00
2550.602	FIBER OPTIC CABLE SPLICING	EACH	2.00	2,000.00	4,000.00
2550.602	BURIED CABLE SIGN	EACH	22.00	175.00	3,850.00
2550.602	PULL VAULT	EACH	10.00	2,000.00	20,000.00
2550.602	SERVICE CABINET TYPE SPECIAL	EACH	1.00	9,000.00	9,000.00
2550.602	LOOP DETECTOR DESIGN PREFORMED	EACH	5.00	1,950.00	9,750.00
2550.603	ARMORED FIBER OPTIC PIGTAIL CABLE 6SM	LIN FT	1,835.00	2.25	4,128.75
2550.603	FIBER OPTIC TRUNK CABLE 36SM	LIN FT	4,800.00	2.00	9,600.00
2550.603	1.5" BORED CONDUIT	LIN FT	275.00	15.00	4,125.00
2550.603	2" BORED CONDUIT	LIN FT	422.00	17.50	7,385.00
2554.502	GUIDE POST TYPE B	EACH	19.00	85.00	1,615.00
2554.502	ANCHORAGE ASSEMBLY - TYPE 31	EACH	4.00	1,600.00	6,400.00
2554.502	END TREATMENT-TANGENT TERMINAL	EACH	4.00	3,500.00	14,000.00
2554.503	TRAFFIC BARRIER DESIGN TYPE 31	LIN FT	731.00	35.00	25,585.00
2554.503	TRAFFIC BARRIER DESIGN TRANSITION TYPE 31	LIN FT	56.00	180.00	10,080.00
2554.602	POST IN CONCRETE	EACH	12.00	150.00	1,800.00
2554.603	TENSION CABLE GUARDRAIL	LIN FT	413.00	35.00	14,455.00
2554.615	IMPACT ATTENUATOR	ASSEMBLY	1.00	40,000.00	40,000.00
2557.502	ELECTRICAL GROUND	EACH	12.00	275.00	3,300.00
2557.503	WIRE FENCE DESIGN 60-9322	LIN FT	9,250.00	40.00	370,000.00
2557.603	TEMPORARY GLARE SCREEN	LIN FT	6,656.00	4.00	26,624.00
2557.604	FENCING SPECIAL	SQ YD	534.00	8.00	4,272.00
2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	0.50	128,000.00	64,000.00
2563.601	TRAFFIC CONTROL	LUMP SUM	0.28	950,000.00	266,000.00
2563.601	ALTERNATE PEDESTRIAN ROUTE	LUMP SUM	0.50	15,000.00	7,500.00
2563.602	LINEAR DELINEATION PANEL	EACH	860.00	25.00	21,500.00
2563.602	PORTABLE BARRIER DELINEATOR	EACH	1,320.00	9.00	11,880.00
2563.602	TUBULAR MARKER	EACH	119.00	35.00	4,165.00
2563.602	VEHICLE SPEED FEEDBACK SIGN	EACH	1.00	3,000.00	3,000.00
2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	180.00	150.00	27,000.00
2563.615	TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	23.00	3,200.00	73,600.00
2563.615	RELOCATE TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	2.00	1,500.00	3,000.00
2564.502	INSTALL SIGN PANEL	EACH	2.00	315.00	630.00
2564.502	INFILTRATION AREA MARKER	EACH	3.00	150.00	450.00

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2564.602	DELINEATOR / MARKER		EACH	12.00	90.00	1,080.00
2564.602	DELINEATOR / MARKER PANEL		EACH	6.00	55.00	330.00
2564.607	CONCRETE FOOTING (OVERHEAD SPREAD)		CU YD	49.00	1,300.00	63,700.00
2564.608	STRUCTURAL STEEL - I-BEAM SIGN		POUND	4,145.00	5.00	20,725.00
2564.608	STRUCTURAL STEEL-OVERHEAD SIGN POST		POUND	16,061.00	3.30	53,001.30
2564.608	STRUCTURAL STEEL-OVERHEAD SIGN TRUSS		POUND	19,355.00	3.30	63,871.50
2564.608	STRUCTURAL STEEL-PANEL MOUNTING POST		POUND	2,121.00	3.30	6,999.30
2564.618	SIGN		SQ FT	684.00	80.00	54,720.00
2564.618	SIGN PANEL OVERLAY		SQ FT	1,552.00	30.00	46,560.00
2564.618	EXTRUDED PANEL		SQ FT	1,480.00	30.00	44,400.00
2565.616	TEMPORARY SIGNAL SYSTEM A		SYSTEM	0.50	200,000.00	100,000.00
2565.616	TEMPORARY SIGNAL SYSTEM B		SYSTEM	0.50	100,000.00	50,000.00
2572.503	TEMPORARY FENCE		LIN FT	265.00	5.00	1,325.00
2572.503	CLEAN ROOT CUTTING		LIN FT	251.00	7.00	1,757.00
2573.501	STABILIZED CONSTRUCTION EXIT		LUMP SUM	0.50	16,000.00	8,000.00
2573.501	EROSION CONTROL SUPERVISOR		LUMP SUM	0.50	15,000.00	7,500.00
2573.502	STORM DRAIN INLET PROTECTION		EACH	113.00	190.00	21,470.00
2573.502	CULVERT END CONTROLS		EACH	9.00	200.00	1,800.00
2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER		LIN FT	32.00	30.00	960.00
2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER		LIN FT	1,653.00	4.00	6,612.00
2574.505	SUBSOILING	(P)	ACRE	13.00	350.00	4,550.00
2574.505	SOIL BED PREPARATION	(P)	ACRE	13.00	150.00	1,950.00
2574.507	COMPOST GRADE 2		CU YD	3,802.00	45.00	171,090.00
2574.508	FERTILIZER TYPE 3		POUND	4,048.00	1.00	4,048.00
2574.508	FERTILIZER TYPE 4		POUND	108.00	1.50	162.00
2574.509	LIME		TON	42.00	200.00	8,400.00
2575.504	RAPID STABILIZATION METHOD 4		SQ YD	24,637.00	2.00	49,274.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 10		SQ YD	3,454.00	2.00	6,908.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 25		SQ YD	17,102.00	2.00	34,204.00
2575.505	SEEDING	(P)	ACRE	13.00	300.00	3,900.00
2575.505	MOWING		ACRE	42.00	500.00	21,000.00
2575.505	WEED SPRAYING		ACRE	7.10	300.00	2,130.00
2575.506	WEED SPRAY MIXTURE		GALLON	3.50	100.00	350.00
2575.508	SEED MIXTURE 25-121		POUND	304.00	4.50	1,368.00

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(2) 80% STP FEDERAL, 20% STATE BOND FUNDS (CAPPED); 100% STATE FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

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2575.508	SEED MIXTURE 25-131	POUND	116.00	4.50	522.00
2575.508	SEED MIXTURE 33-261	POUND	25.00	25.00	625.00
2575.508	SEED MIXTURE 35-221	POUND	288.00	25.00	7,200.00
2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	35,302.00	2.00	70,604.00
2575.523	RAPID STABILIZATION METHOD 3	M GALLON	54.00	650.00	35,100.00
2580.503	INTERIM PAVEMENT MARKING	LIN FT	38,916.00	0.40	15,566.40
2580.603	PAVEMENT MARKING - LATE SEASON	LIN FT	26,719.00	0.95	25,383.05
2580.618	PAVEMENT MESSAGE - LATE SEASON	SQ FT	225.00	20.00	4,500.00
2581.503	6" REMOVABLE PREFORMED PAVEMENT MARKING TAPE	LIN FT	269.00	20.00	5,380.00
2581.618	REMOVABLE PREFORMED PLASTIC MASK (BLACK)	SQ FT	100.00	20.00	2,000.00
2582.503	6" SOLID LINE PAINT (WR)	LIN FT	52,832.00	0.80	42,265.60
2582.503	8" SOLID LINE PAINT (WR)	LIN FT	151.00	1.00	151.00
2582.503	24" SOLID LINE PAINT (WR)	LIN FT	231.00	15.00	3,465.00
2582.503	4" BROKEN LINE PAINT (WR)	LIN FT	3,010.00	0.50	1,505.00
2582.503	6" DOTTED LINE PAINT (WR)	LIN FT	1,071.00	1.00	1,071.00
2582.503	8" DOTTED LINE PAINT (WR)	LIN FT	42.00	1.20	50.40
2582.503	4" DOUBLE SOLID LINE PAINT (WR)	LIN FT	1,919.00	1.00	1,919.00
2582.503	4" SOLID LINE MULTI-COMPONENT (WR)	LIN FT	618.00	0.85	525.30
2582.503	24" SOLID LINE MULTI-COMPONENT (WR)	LIN FT	50.00	20.00	1,000.00
2582.503	4" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	6,755.00	1.10	7,430.50
2582.503	6" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	24,251.00	1.50	36,376.50
2582.503	10" SOLID LINE PREFORM TAPE GROUND IN (WR)	LIN FT	2,783.00	16.00	44,528.00
2582.503	4" BROKEN LINE PREFORM TAPE GROUND IN (WR)	LIN FT	2,450.00	6.50	15,925.00
2582.503	10" DOTTED LINE PREFORM TAPE GROUND IN (WR)	LIN FT	1,072.00	16.00	17,152.00
2582.518	PAVEMENT MESSAGE PAINT	SQ FT	264.00	10.00	2,640.00
2582.518	CROSSWALK PAINT	SQ FT	488.00	7.00	3,416.00
				TOTAL	23,499,390.75
	(2) 80% STP FEDERAL		10,000,000.00		
	20% STATE BOND FUNDS (CAPPED)		**2,000,000.00**		
	100% STATE FUNDS (CAPPED)		**8,000,000.00**		
	REMAINDER 100% COUNTY FUNDS		3,499,390.75		

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(3) 80% STBGP FEDERAL, 20% STATE FUNDS (CAPPED); 100% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM		UNIT	QUANTITY	UNIT PRICE	COST (3)
2011.601	SETTLEMENT MONITORING		LUMP SUM	0.30	150,000.00	45,000.00
2021.501	MOBILIZATION		LUMP SUM	0.09	5,500,000.00	495,000.00
2031.502	FIELD OFFICE		EACH	0.09	120,000.00	10,800.00
2031.502	FIELD LABORATORY		EACH	0.09	75,000.00	6,750.00
2101.502	CLEARING		EACH	1.00	250.00	250.00
2101.502	GRUBBING		EACH	1.00	250.00	250.00
2101.505	CLEARING	(P)	ACRE	0.40	7,000.00	2,800.00
2101.505	GRUBBING	(P)	ACRE	0.40	7,000.00	2,800.00
2104.502	REMOVE PIPE APRON		EACH	2.00	210.00	420.00
2104.502	REMOVE CONCRETE NOSE		EACH	7.00	1,500.00	10,500.00
2104.502	REMOVE POST		EACH	1.00	270.00	270.00
2104.502	REMOVE GUIDE POST		EACH	3.00	100.00	300.00
2104.502	REMOVE GATE VALVE AND BOX		EACH	10.00	550.00	5,500.00
2104.502	REMOVE HYDRANT		EACH	5.00	1,100.00	5,500.00
2104.502	REMOVE DRAINAGE STRUCTURE		EACH	20.00	550.00	11,000.00
2104.502	REMOVE DELINEATOR / MARKER		EACH	4.00	50.00	200.00
2104.502	REMOVE SIGN		EACH	57.00	77.50	4,417.50
2104.502	REMOVE SIGN TYPE SPECIAL		EACH	1.00	55.00	55.00
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)		LIN FT	11.00	5.00	55.00
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)		LIN FT	218.00	3.00	654.00
2104.503	REMOVE WATER MAIN		LIN FT	2,146.00	15.00	32,190.00
2104.503	REMOVE SEWER PIPE (STORM)		LIN FT	1,757.00	18.00	31,626.00
2104.503	REMOVE SEWER PIPE (SANITARY)		LIN FT	692.00	20.00	13,840.00
2104.503	REMOVE CURB AND GUTTER		LIN FT	7,663.00	4.80	36,782.40
2104.503	REMOVE FENCE		LIN FT	478.00	4.50	2,151.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT		SQ YD	198.00	12.00	2,376.00
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT		SQ YD	875.00	4.00	3,500.00
2104.504	REMOVE BITUMINOUS PAVEMENT		SQ YD	17,565.00	5.50	96,607.50
2104.518	REMOVE BITUMINOUS WALK		SQ FT	1,508.00	1.50	2,262.00
2104.518	REMOVE CONCRETE WALK		SQ FT	20,929.00	2.00	41,858.00
2104.518	REMOVE CONCRETE MEDIAN		SQ FT	258.00	2.00	516.00
2104.603	ABANDON WATER MAIN		LIN FT	136.00	12.00	1,632.00
2106.507	EXCAVATION - COMMON	(P)	CU YD	5,258.00	12.00	63,096.00
2106.507	SELECT GRANULAR EMBANKMENT (CV)	(P)	CU YD	7,189.00	30.00	215,670.00

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(3) 80% STBGP FEDERAL, 20% STATE FUNDS (CAPPED); 100% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM			UNIT	QUANTITY	UNIT PRICE	COST (3)
2106.507	COMMON EMBANKMENT (CV)	(P)		CU YD	118,830.00	10.00	1,188,300.00
2106.607	EXCAVATION SPECIAL			CU YD	5,500.00	14.00	77,000.00
2106.609	HAUL AND DISPOSE OF CONTAMINATED MATERIAL			TON	4,320.00	22.00	95,040.00
2211.507	AGGREGATE BASE (CV) CLASS 6	(P)		CU YD	3,795.00	35.00	132,825.00
2301.502	DOWEL BAR			EACH	32.00	15.00	480.00
2331.603	JOINT ADHESIVE			LIN FT	13,022.00	0.60	7,813.20
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)			TON	174.00	90.00	15,660.00
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)			TON	283.00	90.00	25,470.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)			TON	123.00	90.00	11,070.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)			TON	1,236.00	90.00	111,240.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)			TON	2,203.00	95.00	209,285.00
2401.503	TYPE MOD P-1 BARRIER CONC (3S52)			LIN FT	766.00	150.00	114,900.00
2406.503	EXPANSION JOINTS, DESIGN E8			LIN FT	255.00	200.00	51,000.00
2406.504	BRIDGE APPROACH PANELS		(P)	SQ YD	877.00	375.00	328,875.00
2411.507	STRUCTURAL CONCRETE (1G52)		(P)	CU YD	447.00	600.00	268,200.00
2411.507	STRUCTURAL CONCRETE (3B52)		(P)	CU YD	167.00	1,000.00	167,000.00
2411.507	STRUCTURAL CONCRETE (3G52)	(P)		CU YD	544.00	1,100.00	598,400.00
2411.508	REINFORCEMENT BARS	(P)		POUND	34,258.00	1.75	59,951.50
2411.508	REINFORCEMENT BARS (EPOXY COATED)		(P)	POUND	140,962.00	2.00	281,924.00
2411.604	MECHANICALLY STABILIZED EARTH WALL		(P)	SQ YD	969.00	700.00	678,300.00
2411.618	ARCHITECTURAL CONCRETE TEXTURE (THIN BRICK)	(P)		SQ FT	207.00	40.00	8,280.00
2451.507	STRUCTURE EXCAVATION CLASS U	(P)		CU YD	1,463.00	15.00	21,945.00
2451.607	STRUCTURAL BACKFILL	(P)		CU YD	12,461.00	30.00	373,830.00
2451.607	STRUCTURAL BACKFILL (MOD)	(P)		CU YD	5,689.00	25.00	142,225.00
2475.503	ORNAMENTAL METAL RAILING DESIGN T-4 PC			LIN FT	479.00	250.00	119,750.00
2501.502	18" RC PIPE APRON			EACH	2.00	1,500.00	3,000.00
2501.502	24" RC PIPE APRON			EACH	1.00	1,900.00	1,900.00
2502.503	4" TP PIPE DRAIN			LIN FT	84.00	15.00	1,260.00
2502.503	4" PERF TP PIPE DRAIN			LIN FT	1,391.00	12.00	16,692.00
2502.601	DRAINAGE SYSTEM			LUMP SUM	0.40	17,000.00	6,800.00
2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V			LIN FT	383.00	60.00	22,980.00
2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V			LIN FT	856.00	65.00	55,640.00
2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS III			LIN FT	396.00	70.00	27,720.00
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS III			LIN FT	219.00	85.00	18,615.00

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ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (3)
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	202.00	95.00	19,190.00
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	1.00	3,000.00	3,000.00
2503.603	PLUG FILL AND ABANDON PIPE SEWER	LIN FT	136.00	70.00	9,520.00
2503.603	36" STEEL CASING PIPE	LIN FT	35.00	350.00	12,250.00
2503.603	42" STEEL CASING PIPE	LIN FT	60.00	500.00	30,000.00
2506.502	CASTING ASSEMBLY	EACH	26.00	900.00	23,400.00
2506.502	ADJUST FRAME AND RING CASTING	EACH	1.00	800.00	800.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	16.00	450.00	7,200.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN N	LIN FT	19.00	400.00	7,600.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	97.00	525.00	50,925.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	19.00	750.00	14,250.00
2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	85.00	6.00	510.00
2511.507	RANDOM RIPRAP CLASS III	CU YD	22.00	105.00	2,310.00
2521.518	4" CONCRETE WALK	SQ FT	10,724.00	6.00	64,344.00
2521.518	6" CONCRETE WALK	SQ FT	5,378.00	12.00	64,536.00
2521.518	7" CONCRETE WALK	SQ FT	3,560.00	15.00	53,400.00
2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)	EACH	261.00	16.00	4,176.00
2521.618	CONCRETE CURB RAMP WALK	SQ FT	5,917.00	16.00	94,672.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B412	LIN FT	283.00	24.00	6,792.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	425.00	26.00	11,050.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	4,962.00	28.00	138,936.00
2531.503	CONCRETE CURB AND GUTTER DESIGN R424	LIN FT	365.00	28.00	10,220.00
2531.503	CONCRETE CURB AND GUTTER DESIGN S524	LIN FT	1,625.00	30.00	48,750.00
2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	9.00	90.00	810.00
2531.603	CONCRETE SILL	LIN FT	56.00	20.00	1,120.00
2531.603	CONCRETE CURB DESIGN V	LIN FT	21.00	60.00	1,260.00
2531.618	TRUNCATED DOMES	SQ FT	613.00	55.00	33,715.00
2540.602	RELOCATE MAIL BOX SUPPORT	EACH	1.00	1,000.00	1,000.00
2545.501	LIGHTING SYSTEM "G"	LUMP SUM	1.00	31,000.00	31,000.00
2554.502	GUIDE POST TYPE B	EACH	3.00	85.00	255.00
2563.601	TRAFFIC CONTROL	LUMP SUM	0.09	950,000.00	85,500.00
2564.602	DELINEATOR / MARKER PANEL	EACH	2.00	55.00	110.00
2564.618	SIGN	SQ FT	483.00	80.00	38,640.00
2564.618	SIGN TYPE SPECIAL	SQ FT	13.00	55.00	715.00

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(3) 80% STBGP FEDERAL, 20% STATE FUNDS (CAPPED); 100% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (3)
2573.502	STORM DRAIN INLET PROTECTION	EACH	22.00	190.00	4,180.00
2573.503	SILT FENCE, TYPE MS	LIN FT	3,873.00	2.50	9,682.50
2574.505	SUBSOILING (P)	ACRE	3.00	350.00	1,050.00
2574.505	SOIL BED PREPARATION (P)	ACRE	3.00	150.00	450.00
2574.507	COMPOST GRADE 2	CU YD	744.00	45.00	33,480.00
2574.508	FERTILIZER TYPE 3	POUND	897.00	1.00	897.00
2574.509	LIME	TON	8.00	200.00	1,600.00
2575.504	RAPID STABILIZATION METHOD 4	SQ YD	2,352.00	2.00	4,704.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	8,578.00	2.00	17,156.00
2575.505	SEEDING (P)	ACRE	3.00	300.00	900.00
2575.505	MOWING	ACRE	8.00	500.00	4,000.00
2575.505	WEED SPRAYING	ACRE	1.35	300.00	405.00
2575.506	WEED SPRAY MIXTURE	GALLON	0.68	100.00	68.00
2575.508	SEED MIXTURE 25-131	POUND	502.00	4.50	2,259.00
2575.508	SEED MIXTURE 35-221	POUND	18.00	25.00	450.00
2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	8,904.00	2.00	17,808.00
2575.523	RAPID STABILIZATION METHOD 3	M GALLON	14.00	650.00	9,100.00
2582.503	4" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	7,428.00	1.10	8,170.80
2582.503	4" BROKEN LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	1,215.00	1.10	1,336.50
2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	225.00	4.00	900.00
2582.503	12" DOTTED LINE PREFORM THERMO GROUND IN ESR	LIN FT	200.00	22.00	4,400.00
2582.518	PAVEMENT MESSAGE PREFORM THERMOPLASTIC GROUND IN	SQ FT	62.00	25.00	1,550.00
2582.518	CROSSWALK PREFORM THERMOPLASTIC GROUND IN	SQ FT	150.00	22.00	3,300.00
2582.518	CROSSWALK PREFORM THERMOPLASTIC GROUND IN ENHANCED SKID RESISTANCE	SQ FT	960.00	24.00	23,040.00
				TOTAL	7,412,841.90
	(3) **80% STBGP FEDERAL**		**3,200,000.00**		
	20% STATE FUNDS (CAPPED)		**800,000.00**		
	100% STATE BOND FUNDS (CAPPED)		**3,294,582.40**		
	REMAINDER 100% COUNTY FUNDS		118,259.50		

(4) 80% INFRA FEDERAL, 20% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM		UNIT	QUANTITY	UNIT PRICE	COST (4)
2011.601	SETTLEMENT MONITORING		LUMP SUM	0.40	150,000.00	60,000.00
2021.501	MOBILIZATION		LUMP SUM	0.14	5,500,000.00	770,000.00
2031.502	FIELD OFFICE		EACH	0.14	120,000.00	16,800.00
2031.502	FIELD LABORATORY		EACH	0.14	75,000.00	10,500.00
2101.502	CLEARING		EACH	13.00	250.00	3,250.00
2101.502	GRUBBING		EACH	13.00	250.00	3,250.00
2104.502	REMOVE PIPE APRON		EACH	1.00	210.00	210.00
2104.502	REMOVE CONCRETE NOSE		EACH	7.00	1,500.00	10,500.00
2104.502	REMOVE GUIDE POST		EACH	1.00	100.00	100.00
2104.502	REMOVE GATE VALVE AND BOX		EACH	14.00	550.00	7,700.00
2104.502	REMOVE HYDRANT		EACH	4.00	1,100.00	4,400.00
2104.502	REMOVE DRAINAGE STRUCTURE		EACH	37.00	550.00	20,350.00
2104.502	REMOVE DELINEATOR / MARKER		EACH	3.00	50.00	150.00
2104.502	REMOVE SIGN		EACH	52.00	77.50	4,030.00
2104.502	REMOVE SIGN TYPE SPECIAL		EACH	1.00	55.00	55.00
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)		LIN FT	3.00	5.00	15.00
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)		LIN FT	490.00	3.00	1,470.00
2104.503	REMOVE WATER MAIN		LIN FT	1,962.00	15.00	29,430.00
2104.503	REMOVE SEWER PIPE (STORM)		LIN FT	2,475.00	18.00	44,550.00
2104.503	REMOVE SEWER PIPE (SANITARY)		LIN FT	1,134.00	20.00	22,680.00
2104.503	REMOVE CURB AND GUTTER		LIN FT	7,596.00	4.80	36,460.80
2104.503	REMOVE RETAINING WALL		LIN FT	120.00	25.00	3,000.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT		SQ YD	85.00	12.00	1,020.00
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT		SQ YD	2,642.00	4.00	10,568.00
2104.504	REMOVE BITUMINOUS PAVEMENT		SQ YD	15,264.00	5.50	83,952.00
2104.518	REMOVE BITUMINOUS WALK		SQ FT	12,117.00	1.50	18,175.50
2104.518	REMOVE CONCRETE WALK		SQ FT	11,923.00	2.00	23,846.00
2104.601	REMOVE MISCELLANEOUS DEBRIS		LUMP SUM	0.10	10,000.00	1,000.00
2104.603	ABANDON WATER MAIN		LIN FT	126.00	12.00	1,512.00
2106.507	EXCAVATION - COMMON	(P)	CU YD	5,988.00	12.00	71,856.00
2106.507	SELECT GRANULAR EMBANKMENT (CV)	(P)	CU YD	7,564.00	30.00	226,920.00
2106.507	COMMON EMBANKMENT (CV)	(P)	CU YD	125,347.00	10.00	1,253,470.00
2118.507	AGGREGATE SURFACING (CV) CLASS 2	(P)	CU YD	540.00	80.00	43,200.00
2211.507	AGGREGATE BASE (CV) CLASS 6	(P)	CU YD	3,653.00	35.00	127,855.00

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(4) 80% INFRA FEDERAL, 20% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM		UNIT	QUANTITY	UNIT PRICE	COST (4)
2231.604	BITUMINOUS PATCH SPECIAL		SQ YD	789.00	80.00	63,120.00
2301.502	DOWEL BAR		EACH	152.00	15.00	2,280.00
2331.603	JOINT ADHESIVE		LIN FT	11,602.00	0.60	6,961.20
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)		TON	288.00	90.00	25,920.00
2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)		TON	1,416.00	90.00	127,440.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)		TON	2,593.00	95.00	246,335.00
2401.503	TYPE MOD P-1 BARRIER CONC (3S52)		LIN FT	1,913.00	150.00	286,950.00
2406.503	EXPANSION JOINTS, DESIGN E8		LIN FT	261.00	200.00	52,200.00
2406.504	BRIDGE APPROACH PANELS	(P)	SQ YD	1,446.00	375.00	542,250.00
2411.507	STRUCTURAL CONCRETE (1G52)	(P)	CU YD	343.00	600.00	205,800.00
2411.507	STRUCTURAL CONCRETE (3B52)	(P)	CU YD	573.00	1,000.00	573,000.00
2411.507	STRUCTURAL CONCRETE (3G52)	(P)	CU YD	435.00	1,100.00	478,500.00
2411.508	REINFORCEMENT BARS	(P)	POUND	26,765.00	1.75	46,838.75
2411.508	REINFORCEMENT BARS (EPOXY COATED)	(P)	POUND	182,761.00	2.00	365,522.00
2411.604	MECHANICALLY STABILIZED EARTH WALL	(P)	SQ YD	3,245.00	700.00	2,271,500.00
2411.618	ARCHITECTURAL CONCRETE TEXTURE (THIN BRICK)	(P)	SQ FT	138.00	40.00	5,520.00
2451.507	STRUCTURE EXCAVATION CLASS U	(P)	CU YD	2,761.00	15.00	41,415.00
2451.607	STRUCTURAL BACKFILL	(P)	CU YD	6,929.00	30.00	207,870.00
2451.607	STRUCTURAL BACKFILL (MOD)	(P)	CU YD	24,308.00	25.00	607,700.00
2475.503	ORNAMENTAL METAL RAILING DESIGN T-4 PC		LIN FT	1,037.00	250.00	259,250.00
2501.502	15" RC PIPE APRON		EACH	1.00	1,200.00	1,200.00
2502.503	4" TP PIPE DRAIN		LIN FT	221.00	15.00	3,315.00
2502.503	4" PERF TP PIPE DRAIN		LIN FT	5,149.00	12.00	61,788.00
2502.601	DRAINAGE SYSTEM		LUMP SUM	0.30	17,000.00	5,100.00
2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V		LIN FT	439.00	60.00	26,340.00
2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V		LIN FT	773.00	65.00	50,245.00
2503.503	21" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	90.00	80.00	7,200.00
2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	466.00	85.00	39,610.00
2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	210.00	100.00	21,000.00
2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS IV		LIN FT	143.00	120.00	17,160.00
2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	339.00	120.00	40,680.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS III		LIN FT	165.00	150.00	24,750.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS IV		LIN FT	27.00	180.00	4,860.00
2503.503	36" RC PIPE SEWER DESIGN 3006 CLASS V		LIN FT	288.00	200.00	57,600.00

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(4) 80% INFRA FEDERAL, 20% STATE BOND FUNDS (CAPPED); REMAINDER 100% COUNTY FUNDS

(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (4)
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	228.00	200.00	45,600.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	490.00	250.00	122,500.00
2503.503	42" RC PIPE SEWER DESIGN 3006 CLASS V-JACKED	LIN FT	172.00	1,500.00	258,000.00
2503.602	CONNECT TO EXISTING STORM SEWER	EACH	5.00	3,000.00	15,000.00
2503.603	PLUG FILL AND ABANDON PIPE SEWER	LIN FT	319.00	70.00	22,330.00
2503.603	42" STEEL CASING PIPE	LIN FT	45.00	500.00	22,500.00
2503.603	48" STEEL CASING PIPE	LIN FT	35.00	750.00	26,250.00
2503.603	72" STEEL CASING PIPE	LIN FT	65.00	1,250.00	81,250.00
2503.603	72" STEEL CASING PIPE (JACKED)	LIN FT	85.00	1,500.00	127,500.00
2503.603	CONSOLIDATION GROUT	LIN FT	90.00	350.00	31,500.00
2506.502	CASTING ASSEMBLY	EACH	39.00	900.00	35,100.00
2506.502	ADJUST FRAME AND RING CASTING	EACH	2.00	800.00	1,600.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	30.00	450.00	13,500.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	8.00	450.00	3,600.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN N	LIN FT	32.00	400.00	12,800.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1	LIN FT	4.00	450.00	1,800.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	102.00	525.00	53,550.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	88.00	750.00	66,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	23.00	875.00	20,125.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 84-4020	LIN FT	20.00	1,500.00	30,000.00
2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 96-4020	LIN FT	8.00	2,000.00	16,000.00
2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 4	EACH	1.00	30,000.00	30,000.00
2521.518	4" CONCRETE WALK	SQ FT	9,426.00	6.00	56,556.00
2521.518	6" CONCRETE WALK	SQ FT	4,201.00	12.00	50,412.00
2521.518	7" CONCRETE WALK	SQ FT	3,560.00	15.00	53,400.00
2521.602	DRILL AND GROUT REINF BAR (EPOXY COATED)	EACH	263.00	16.00	4,208.00
2521.618	CONCRETE CURB RAMP WALK	SQ FT	6,521.00	16.00	104,336.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B412	LIN FT	283.00	24.00	6,792.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B612	LIN FT	95.00	24.00	2,280.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	843.00	26.00	21,918.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	2,932.00	28.00	82,096.00
2531.503	CONCRETE CURB AND GUTTER DESIGN R424	LIN FT	365.00	28.00	10,220.00
2531.503	CONCRETE CURB AND GUTTER DESIGN S524	LIN FT	1,317.00	30.00	39,510.00
2531.504	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	26.00	90.00	2,340.00

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(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM		UNIT	QUANTITY	UNIT PRICE	COST (4)
2531.603	CONCRETE SILL		LIN FT	45.00	20.00	900.00
2531.603	CONCRETE CURB DESIGN V		LIN FT	48.00	60.00	2,880.00
2531.618	TRUNCATED DOMES		SQ FT	552.00	55.00	30,360.00
2545.501	LIGHTING SYSTEM "H"		LUMP SUM	1.00	36,000.00	36,000.00
2554.502	GUIDE POST TYPE B		EACH	4.00	85.00	340.00
2563.601	TRAFFIC CONTROL		LUMP SUM	0.14	950,000.00	133,000.00
2564.602	DELINEATOR / MARKER PANEL		EACH	4.00	55.00	220.00
2564.618	SIGN		SQ FT	417.00	80.00	33,360.00
2564.618	SIGN TYPE SPECIAL		SQ FT	17.00	55.00	935.00
2572.503	TEMPORARY FENCE		LIN FT	93.00	5.00	465.00
2572.503	CLEAN ROOT CUTTING		LIN FT	80.00	7.00	560.00
2573.502	STORM DRAIN INLET PROTECTION		EACH	23.00	190.00	4,370.00
2573.502	CULVERT END CONTROLS		EACH	1.00	200.00	200.00
2573.503	SILT FENCE, TYPE MS		LIN FT	481.00	2.50	1,202.50
2574.505	SUBSOILING	(P)	ACRE	3.00	350.00	1,050.00
2574.505	SOIL BED PREPARATION	(P)	ACRE	3.00	150.00	450.00
2574.507	COMPOST GRADE 2		CU YD	936.00	45.00	42,120.00
2574.508	FERTILIZER TYPE 3		POUND	1,219.00	1.00	1,219.00
2574.509	LIME		TON	10.00	200.00	2,000.00
2575.505	SEEDING	(P)	ACRE	3.00	300.00	900.00
2575.505	MOWING		ACRE	10.00	500.00	5,000.00
2575.505	WEED SPRAYING		ACRE	1.70	300.00	510.00
2575.506	WEED SPRAY MIXTURE		GALLON	0.85	100.00	85.00
2575.508	SEED MIXTURE 25-131		POUND	375.00	4.50	1,687.50
2575.508	SEED MIXTURE 35-221		POUND	65.00	25.00	1,625.00
2575.508	HYDRAULIC REINFORCED FIBER MATRIX		POUND	13,565.00	2.00	27,130.00
2575.523	RAPID STABILIZATION METHOD 3		M GALLON	21.00	650.00	13,650.00
2582.503	4" SOLID LINE MULTI-COMPONENT GROUND IN (WR)		LIN FT	5,986.00	1.10	6,584.60
2582.503	12" SOLID LINE MULTI-COMPONENT GROUND IN (WR)		LIN FT	36.00	10.00	360.00
2582.503	4" BROKEN LINE MULTI-COMPONENT GROUND IN (WR)		LIN FT	567.00	1.10	623.70
2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT GROUND IN (WR)		LIN FT	1,240.00	4.00	4,960.00
2582.503	12" DOTTED LINE PREFORM THERMO GROUND IN ESR		LIN FT	207.00	22.00	4,554.00
2582.518	PAVEMENT MESSAGE PREFORM THERMOPLASTIC GROUND IN		SQ FT	108.00	25.00	2,700.00
2582.518	CROSSWALK PREFORM THERMOPLASTIC GROUND IN		SQ FT	150.00	22.00	3,300.00

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(P) = PLAN QUANTITY

ITEM NUMBER	SP 002-596-026, SP 0202-116, SP 002-656-001 WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (4)
2582.518	CROSSWALK PREFORM THERMOPLASTIC GROUND IN ENHANCED SKID RESIST	SQ FT	810.00	24.00	19,440.00
				TOTAL	10,632,029.55
	(4) 80% INFRA FEDERAL		8,505,623.64		
	20% STATE BOND FUNDS (CAPPED)		**1,829,291.57**		
	REMAINDER 100% COUNTY FUNDS		297,114.34		

ITEM NUMBER	CITY CONSTRUCTION ENGINEERING WORK ITEM	UNIT	QUANTITY	UNIT PRICE	COST (5)
2451.607	* PIPE BEDDING MATERIAL	CU YD	40.00	40.00	1,600.00
2502.503	* 4" PVC PIPE DRAIN	LIN FT	300.00	30.00	9,000.00
2503.602	* CONNECT TO EXISTING SANITARY SEWER	EACH	1.00	4,500.00	4,500.00
2503.602	* 8" PIPE PLUG	EACH	1.00	300.00	300.00
2503.602	* CONSTRUCT TRENCH DAM	EACH	2.00	2,500.00	5,000.00
2503.603	* CLEAN AND VIDEO TAPE PIPE SEWER	LIN FT	126.00	2.00	252.00
2503.603	* 10" PVC PIPE SEWER	LIN FT	126.00	70.00	8,820.00
2504.602	* HYDRANT	EACH	1.00	5,900.00	5,900.00
2504.602	* 6" GATE VALVE AND BOX	EACH	1.00	2,200.00	2,200.00
2504.603	* 6" WATERMAIN DUCTILE IRON CL 53	LIN FT	10.00	75.00	750.00
2504.603	* 8" WATERMAIN DUCTILE IRON CL 52	LIN FT	154.00	80.00	12,320.00
2504.608	* DUCTILE IRON FITTINGS	POUND	214.00	16.00	3,424.00
2506.602	* CASTING ASSEMBLY SPECIAL	EACH	1.00	900.00	900.00
2506.603	* CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 6	LIN FT	8.00	475.00	3,800.00
2540.602	METAL BENCH	EACH	4.00	2,500.00	10,000.00
2540.603	LANDSCAPE EDGER	LIN FT	770.00	14.00	10,780.00
2545.501	LIGHTING SYSTEM "E"	LUMP SUM	1.00	51,000.00	51,000.00
2545.501	LIGHTING SYSTEM "F"	LUMP SUM	1.00	51,000.00	51,000.00
2571.502	DECIDUOUS TREE 2.5" CAL B&B	EACH	6.00	650.00	3,900.00
2571.502	ORNAMENTAL TREE 8' HT B&B	EACH	13.00	700.00	9,100.00
2571.502	DECIDUOUS SHRUB NO 5 CONT	EACH	216.00	110.00	23,760.00
2571.502	PERENNIAL NO 1 CONT	EACH	40.00	30.00	1,200.00
2574.507	LOAM TOPSOIL BORROW	CU YD	450.00	65.00	29,250.00
2575.507	MULCH MATERIAL TYPE 6	CU YD	73.00	95.00	6,935.00
				TOTAL	255,691.00
	(5) 100% CITY FUNDS*		**1,175.32**		
	100% CITY FUNDS**		**9,846.25**		
	*2% CONSTRUCTION ENGINEERING				
	**5% CONSTRUCTION ENGINEERING				

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 1 OF 17

LEGEND

(1) F&I
(2) INPLACE
(8) F&I OH ID PLATE
(9) F&I EP SIGN PANEL
(12) F&I SIGN PANEL OVERLAY
(13) REPLACE POST CLIPS

SEE STANDARD PLAN 5-297.703
LAYOUT A

BNSF RAILWAY

FREEWAY ENDS
1 MILE
(1) S-390

EXIT 220
(1) S-391

400'

205

(2)

EXIT 220
83
Armstrong Blvd
(13) (12) (9)
OH US10-107

MATCH EXISTING MARKINGS

ROAD VAC.
DOC. 1004655

Elk River 10
St Cloud 46
(1) S-392

6SW
W

℄ TH 10/169 WB

4BW
GW

475

6SY
GW

470

475

MATCHLINE STA 479+00

INSET - TH 10 EB AT ARMSTRONG BLVD OFF-RAMP

ARMSTRONG BLVD ON-RAMP WB

TH 10 WB

TH 10 EB

ARMSTRONG BLVD
OFF-RAMP EB

Ramsey Blvd
1/2 MILE
56
EXIT 221

Armstrong Blvd
83
EXIT 220

OH US10-137 (1) (8)

EXIT 220
(1) S-389

SEE STANDARD PLAN 5-297.703
LAYOUT A

℄ TH 10/169 EB

IB US10-022 (1)

Ramsey Blvd
1/2 MILE
56
EXIT 221

RIVERDALE DR NW

LEGEND

[ ] MnDOT

PROPOSED SIGNING & STRIPING

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001,
S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006

TH 10/169 IMPROVEMENTS

SIGNING & STRIPING PLAN

SHEET 621 OF 685

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BOLTON & MENK
12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burnsville@bolton-menk.com
www.bolton-menk.com

REV.	BY	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

CURT T. BREZINA
LIC. NO. 59919
DATE 03-08-2023

DESIGNED ABM
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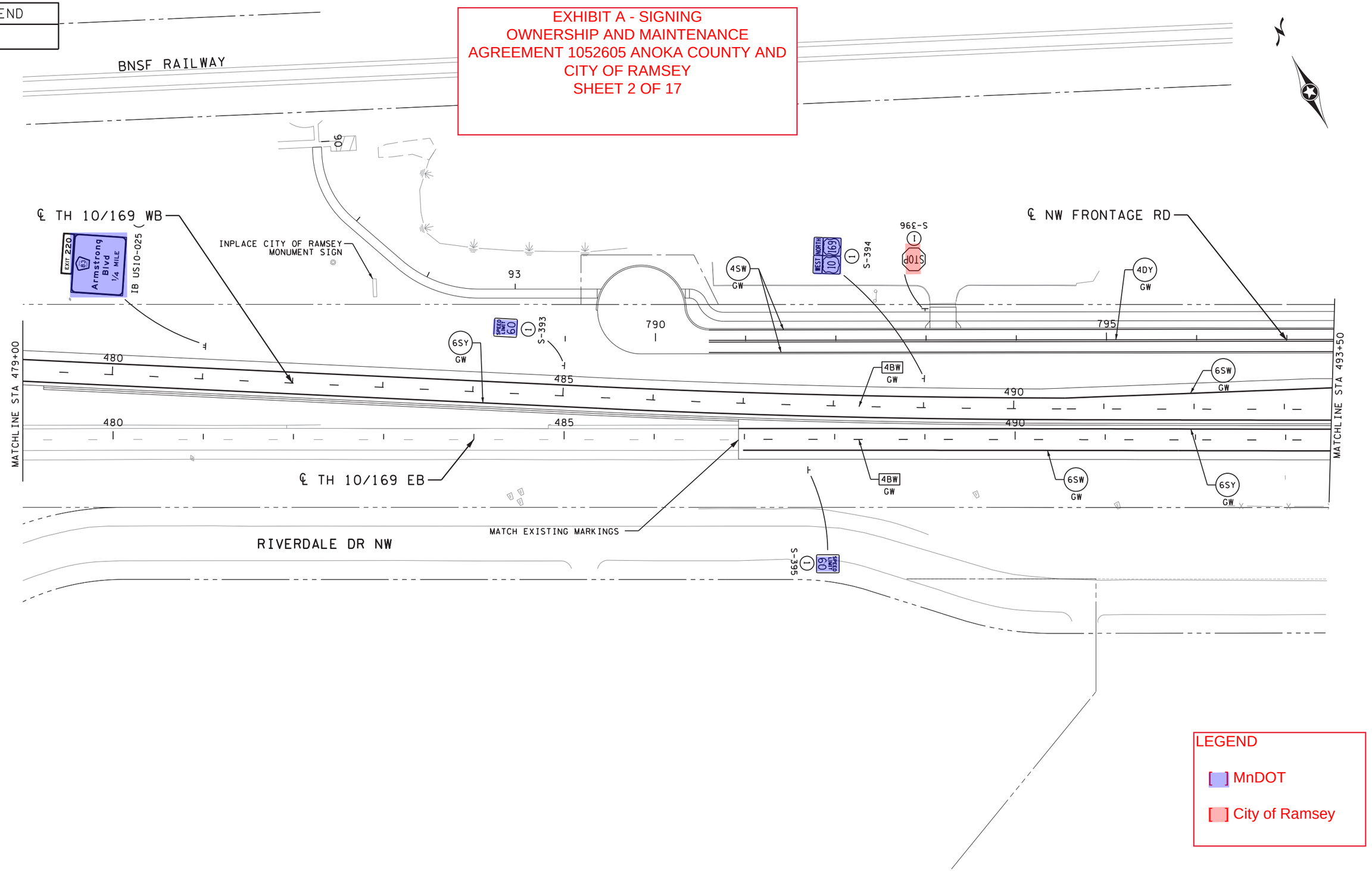
LEGEND

1 F&I

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605 ANOKA COUNTY AND
CITY OF RAMSEY
SHEET 2 OF 17



LEGEND

[ ] MnDOT

[ ] City of Ramsey

PROPOSED SIGNING & STRIPING

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BOLTON & MENK

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CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED	ABM
DRAWN	ABM
CHECKED	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 622 OF 685

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EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 3 OF 17

LEGEND
(1) F&I
(8) F&I OH ID PLATE

℄ NW FRONTAGE RD
℄ TH 10/169 WB
℄ ENT RAMP WB
(RAMSEY BLVD)
℄ TH 10/169 EB
RIVERDALE DR NW
TRAPROCK ST NW
℄ RIVERDALE DR EB
(WEST LEG)
℄ EXT RAMP EB
(RAMSEY BLVD)
MATCHLINE STA 493+50
MATCHLINE STA 812+00
MATCHLINE STA 508+00
MATCHLINE STA 304+00
OH US10-138 (1) (8)
Sunfish Lake Blvd 1¼ MILES EXIT 222
Ramsey Blvd EXIT 221
EXIT 221
MERGE
PARK WORKERS
DOUBLE LEFT
LOT
S-397
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S-399
S-400
S-401
S-402
S-403
S-404
4DY GW
4BW GW
4SW GW
6SW GW
6SY GW
6TW GW
10SW GW
800
805
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495
500
501
505
300
80

F&I 1 OBJECT MARKERS (S-402.1)
AND 5 DELINEATORS (S-402.2 THRU S-402.3)
SEE STANDARD PLAN 5-297.703
LAYOUT A

LEGEND
[ ] MnDOT
[ ] City of Ramsey

PROPOSED SIGNING & STRIPING

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BOLTON & MENK
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REV.	BY	DATE

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CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED	ABM
DRAWN	ABM
CHECKED	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 623 OF 685

LEGEND

(1) F&I

(6) INSTALL

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 4 OF 17

LEGEND

[ ] MnDOT

[ ] Anoka County

[ ] City of Ramsey

℄ NW FRONTAGE RD WB

NW FRONTAGE RD EB

℄ N FRONTAGE RD WB (WEST)

℄ N FRONTAGE RD EB (WEST)

F&I 1 OBJECT MARKERS (S-496.1) AND 5 DELINEATORS (S-496.2 THRU S-496.3) SEE STANDARD PLAN 5-297.703 LAYOUT A

℄ EXT RAMP WB (RAMSEY BLVD)

℄ ENT RAMP WB (RAMSEY BLVD)

℄ TH 10/169 WB

℄ RAMSEY BLVD NORTH ROUNDABOUT

℄ RAMSEY BLVD SOUTH ROUNDABOUT

℄ TH 10/169 EB

℄ EXT RAMP EB (RAMSEY BLVD)

℄ ENT RAMP EB (RAMSEY BLVD)

℄ RIVERDALE DR WB (WEST LEG)

℄ RIVERDALE DR EB (WEST LEG)

℄ RIVERDALE DR EB (EAST LEG)

℄ RIVERDALE DR WB (EAST LEG)

MATCHLINE STA 812+00

MATCHLINE STA 508+00

MATCHLINE STA 521+00

MATCHLINE STA 304+00

PROPOSED SIGNING

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SCALE FEET

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BOLTON & MENK

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CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED	ABM
DRAWN	ABM
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S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 624 OF 685

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7/6/2023

LEGEND

(1) F&I

(8) F&I OH ID PLATE

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 5 OF 17

℄ EXT RAMP WB
(RAMSEY BLVD)

EXIT 221 — Ramsey Blvd

EXIT 220 — Armstrong Blvd — 1 MILE

OH US10-141 (1) (8)

℄ N FRONTAGE RD

℄ TH 10/169 WB

MATCHLINE STA 521+00

MATCHLINE STA 535+50

522 523 525 530 535 840

4DY GW

4SW GW

4BW GW

6SW GW

6SY GW

10SW GW

6TW GW

℄ TH 10/169 EB

℄ ENT RAMP EB
(RAMSEY BLVD)

S-498 (1) MERGE

RIVERDALE DR NW

LEGEND

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PROPOSED SIGNING & STRIPING

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SCALE FEET

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BOLTON & MENK

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REV.	BY	DATE

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CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED	DRAWN	CHECKED
ABM	ABM	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 626 OF 685

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 6 OF 17

LEGEND
1 F&I
2 INPLACE
6 INSTALL

℄ TH 10/169 WB
℄ N FRONTAGE RD
℄ TH 10/169 EB
MATCHLINE STA 535+50
MATCHLINE STA 550+50
845
850
855
540
545
550
WEST NORTH 10 169
S-501
EAST SOUTH 10 169
S-499
4BW GW
6SW GW
4SW GW
4DY GW
6SY GW
SPEED LIMIT 60 MPH
S-503
S-502
EXIT 221 Ramsey Blvd 1/2 MILE
IB US10-024
IB US10-023
EXIT 222 Sunfish Lake Blvd 1/2 MILE
FELDSPAR ST NW
ALL WAY STOP
Riverdale Dr
S-145
RIVERDALE DR NW

LEGEND
[ ] MnDOT
[ ] City of Ramsey

PROPOSED SIGNING & STRIPING

SCALE 0 50 100 FEET

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tombu 5/3/2023 pdf-B and W.pltcfg bmi.tbl

BOLTON & MENK
12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burnsville@bolton-menk.com
www.bolton-menk.com

REV.	BY	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED	ABM
DRAWN	ABM
CHECKED	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 627 OF 685

LEGEND

(1) F&I

(8) F&I OH ID PLATE

LEGEND

[ ] MnDOT

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 7 OF 17

℄ ENT RAMP WB
(SUNFISH LAKE BLVD)

℄ N FRONTAGE RD

℄ TH 10/169 WB

℄ TH 10/169 EB

℄ EXT RAMP EB
(SUNFISH LAKE BLVD)

MERGE (1) S-504

4DY GW

4SW GW

4BW GW

6SW GW

6SY GW

6TW GW

10SW GW

860 865 870

555 560 562 565

MATCHLINE STA 550+50

MATCHLINE STA 565+50

OH US10-139 (1) (8)

Thurston Ave 1 MILE EXIT 223

Sunfish Lake Blvd EXIT 222

DOLOMITE ST NW

RIVERDALE DR NW

PROPOSED SIGNING & STRIPING

0 50 100
SCALE FEET

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BOLTON & MENK

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DRAWN	ABM
CHECKED	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 628 OF 685

tombu 5/3/2023 pdf-B and W.pltcfg bmi.tbl 1:04:18 PM

LEGEND

1 F&I
6 INSTALL

LEGEND

[ ] MnDOT

[ ] Anoka County

[ ] City of Ramsey

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 8 OF 17

℄ SUNFISH LAKE BLVD SB (CSAH 57 SB)

℄ SUNFISH LAKE BLVD NB (CSAH 57 NB)

℄ SUNFISH LAKE BLVD NORTH ROUNDABOUT

℄ NE FRONTAGE RD EB

℄ NE FRONTAGE RD WB

℄ ENT RAMP WB (SUNFISH LAKE BLVD)

℄ TH 10/169 WB

℄ N FRONTAGE RD

℄ N FRONTAGE RD WB (EAST)

℄ N FRONTAGE RD EB (EAST)

℄ EXT RAMP WB (SUNFISH LAKE BLVD)

℄ TH 10/169 EB

℄ ENT RAMP EB (SUNFISH LAKE BLVD)

℄ SUNFISH LAKE BLVD SOUTH ROUNDABOUT

℄ SUNFISH LAKE BLVD NB

℄ SUNFISH LAKE BLVD SB

MATCHLINE STA 904+70

MATCHLINE STA 565+50

MATCHLINE STA 580+20

F&I 1 OBJECT MARKERS (S-506.1) AND 5 DELINEATORS (S-506.2 THRU S-506.3) SEE STANDARD PLAN 5-297.703 LAYOUT A

PROPOSED SIGNING

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5/3/2023

0 50 100
SCALE FEET

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DATE 03-08-2023

DESIGNED ABM
DRAWN ABM
CHECKED CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 629 OF 685

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 9 OF 17

LEGEND
(1) F&I
(8) F&I OH ID PLATE

F&I 1 OBJECT MARKERS (S-580.1)
AND 5 DELINEATORS (S-580.2 THRU S-580.3)
SEE STANDARD PLAN 5-297.703
LAYOUT A

EXIT 222
Sunfish Lake Blvd
EXIT 221
Ramsey Blvd 1/4 MILES
OH US10-140 (1) (8)

℄ NE FRONTAGE RD
℄ TH 10/169 WB
℄ TH 10/169 EB
℄ EXT RAMP WB (SUNFISH LAKE BLVD)
℄ ENT RAMP EB (SUNFISH LAKE BLVD)
℄ RIVERDALE DR EAST

MATCHLINE STA 504+70
MATCHLINE STA 580+20
MATCHLINE STA 419+80
MATCHLINE STA 594+50

905 910 915 582 585 590 581 425 024

4SW GW
4DY GW
6SY GW
6SW GW
4BW GW
10SW GW
6TW GW

JCT 71 10 169 RAMSEY
S-578 S-578.1 S-578.2 S-579 S-580 S-581 S-582
1 CAR WIDTH
ONE WAY

LEGEND
[ ] MnDOT
[ ] City of Ramsey

PROPOSED SIGNING & STRIPING

0 50 100
SCALE FEET

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12224 NICOLLET AVENUE
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LIC. NO. 59919 DATE 03-08-2023

DESIGNED	ABM
DRAWN	ABM
CHECKED	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 631 OF 685

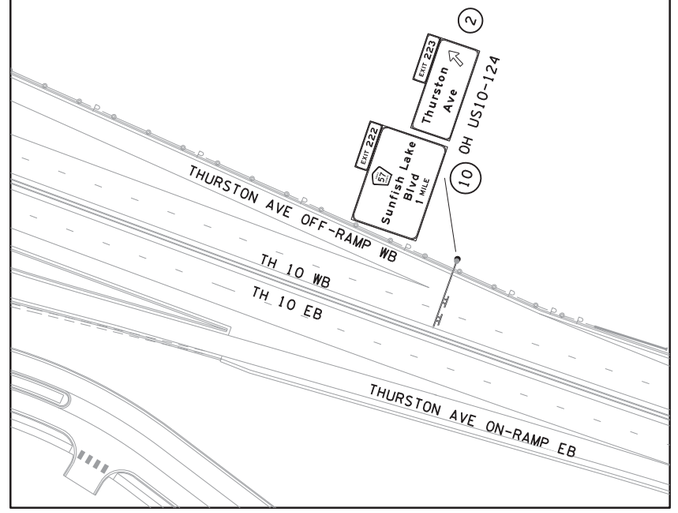
tombu 5/3/2023 pdf-B and W.pltcfg 1:04:42 PM bmi.tbl

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 10 OF 17

LEGEND

(1) F&I
(2) INPLACE
(10) F&I LEFT SIGN PANEL

INSET - TH 10 WB AT THURSTON AVE OFF-RAMP



℄ NE FRONTAGE RD
℄ TH 10/169 EB
℄ TH 10/169 WB
℄ RIVERDALE DR EAST
MATCHLINE STA 594+50
MATCH EXISTING MARKINGS
MATCH EXISTING MARKINGS
TH 10
PAVEMENT MESSAGE MULTI-COMPONENT
6SY GW
6SW GW
4SW GW
4DY GW
4BW GW
S-583
S-584
S-585
S-586
S-587
S-589
S-590
Ramsey POP 23,668
Anoka POP 17,142
Thurston Ave IB US10-17 1/4 MILE Exit 223
920
595
595
430
925
600
600
435
930
605
605
440
STOP
SPEED LIMIT 60
WEST NORTH 10 169
EAST SOUTH 10 169

LEGEND

[ ] MnDOT
[ ] City of Ramsey

0 50 100
SCALE FEET

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CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED ABM
DRAWN ABM
CHECKED CTB

PROPOSED SIGNING & STRIPING

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 632 OF 685

LEGEND

① F&I

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 11 OF 17

℄ L EXT RAMP EB (RAMSEY BLVD)

℄ TH 10/169 WB

℄ ENT RAMP WB (RAMSEY BLVD)

℄ RIVERDALE DR WB (WEST LEG)

℄ NW FRONTAGE RD WB

℄ NW FRONTAGE RD EB

℄ RIVERDALE DR EB (WEST LEG)

℄ RAMSEY BLVD NB (CSAH 56 NB)

℄ REGIONAL PARK TRAIL

℄ RAMSEY BLVD SB (CSAH 56 SB)

MAICHLINE STA 109+50

4SY GW

4SW GW

S-265 ①

S-591 ①

SPEED LIMIT 50

℄ RIVERDALE DR EB (EAST LEG)

℄ RIVERDALE DR WB (EAST LEG)

℄ N FRONTAGE RD EB (WEST)

℄ EXT RAMP WB (RAMSEY BLVD)

℄ ENT RAMP EB (RAMSEY BLVD)

℄ TH 10/169 EB

℄ N FRONTAGE RD WB (WEST LEG)

BNSF RAILWAY

LEGEND

[ ] Anoka County

PROPOSED SIGNING & STRIPING

SCALE 0 50 100 FEET

H:\AKC0\T44121316\CAD\MS\plans\SignStrip\Proposed Signing & Striping\cd0202116_stp011.dgn

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CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED	ABM
DRAWN	ABM
CHECKED	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 633 OF 685

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EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 12 OF 17

LEGEND

① F&I

℄ RAMSEY BLVD SB
(CSAH 56 SB)

℄ RAMSEY BLVD NB
(CSAH 56 SB)

℄ 143RD AVE

SUNWOOD DR NW

MATCH EXISTING MARKINGS

MATCH EXISTING MARKINGS

MATCHLINE STA 109+50

S-595-1 S-596 S-599 S-602 S-605-1 S-607-1 S-607 S-606 S-595 S-593 S-604 S-605 S-603 S-601 S-597 S-600 S-598 S-594

4SW GW
4BW GW
4SY GW
4DY GW

Anoka County License Center

Hamsey Blvd NW
Ramsey Blvd NW
143rd Ave NW

LEGEND

[ ] Anoka County

[ ] City of Ramsey

PROPOSED SIGNING & STRIPING

0 50 100
SCALE FEET

H:\AKC0\T44121316\CAD\MS\plans\SignStrip\Proposed Signing & Striping\cd0202116_stp012.dgn

BOLTON & MENK

12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burnsville@bolton-menk.com
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REV.	BY	DATE

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CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED	ABM
DRAWN	ABM
CHECKED	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 634 OF 685

tombu 5/3/2023 pdf-B and W.pltcfg 1:05:16 PM bmi.tbl

LEGEND

① F&I

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 13 OF 17

℄ TH 10/169 EB

℄ EXT RAMP EB
(SUNFISH LAKE BLVD)

℄ TH 10/169 WB

℄ SUNFISH LAKE
BLVD SB

℄ N FRONTAGE RD EB
(EAST)

℄ N FRONTAGE RD WB
(EAST)

BNSF RAILWAY

CONDUCT 10/169 EXISTING S-608 ①

4SW GW

12SY GW

4DY GW

MATCHLINE STA 202+20

MATCHLINE STA 215+50

℄ SUNFISH
LAKE BLVD NB
(CSAH 57 NB)

L SUNFISH LAKE
BLVD NB

℄ SUNFISH
LAKE BLVD SB
(CSAH 57 SB)

L ENT RAMP EB
(SUNFISH LAKE BLVD)

℄ NE FRONTAGE RD WB

℄ EXT RAMP WB
(SUNFISH LAKE BLVD)

℄ NE FRONTAGE
RD EB

LEGEND

[ ] Anoka County

PROPOSED SIGNING & STRIPING

tombu 5/3/2023 pdf-B and W.pltcfg 1:05:20 PM bmi.tbl

0 50 100
SCALE FEET

H:\AKC0\T44121316\CAD\MS\plans\SignStrip\Proposed Signing & Striping\cd0202116_stp013.dgn

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DRAWN	ABM
CHECKED	CTB

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S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 635 OF 685

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 14 OF 17

LEGEND
1 F&I

℄ McKINLEY ST WEST

MATCHLINE STA 64+50

MATCHLINE STA 215+50

℄ McKINLEY ST EAST

℄ SUNFISH LAKE BLVD SB (CSAH 57 SB)

℄ SUNFISH LAKE BLVD NB (CSAH 57 NB)

SUNFISH LAKE CT NW

MATCH EXISTING MARKINGS

PAVEMENT MESSAGE MULTI-COMPONENT

S-609 S-610 S-611 S-612 S-613 S-614 S-615 S-616 S-617 S-618 S-619 S-620 S-621

220 220 225 225 20 40 42 66 65 75

LEGEND
[ ] Anoka County
[ ] City of Ramsey

PROPOSED SIGNING & STRIPING

0 50 100
SCALE FEET

H:\AKC0\T44121316\CAD\MS\plans\SignStrip\Proposed Signing & Striping\cd0202116_stp014.dgn

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CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED	DRAWN	CHECKED
ABM	ABM	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

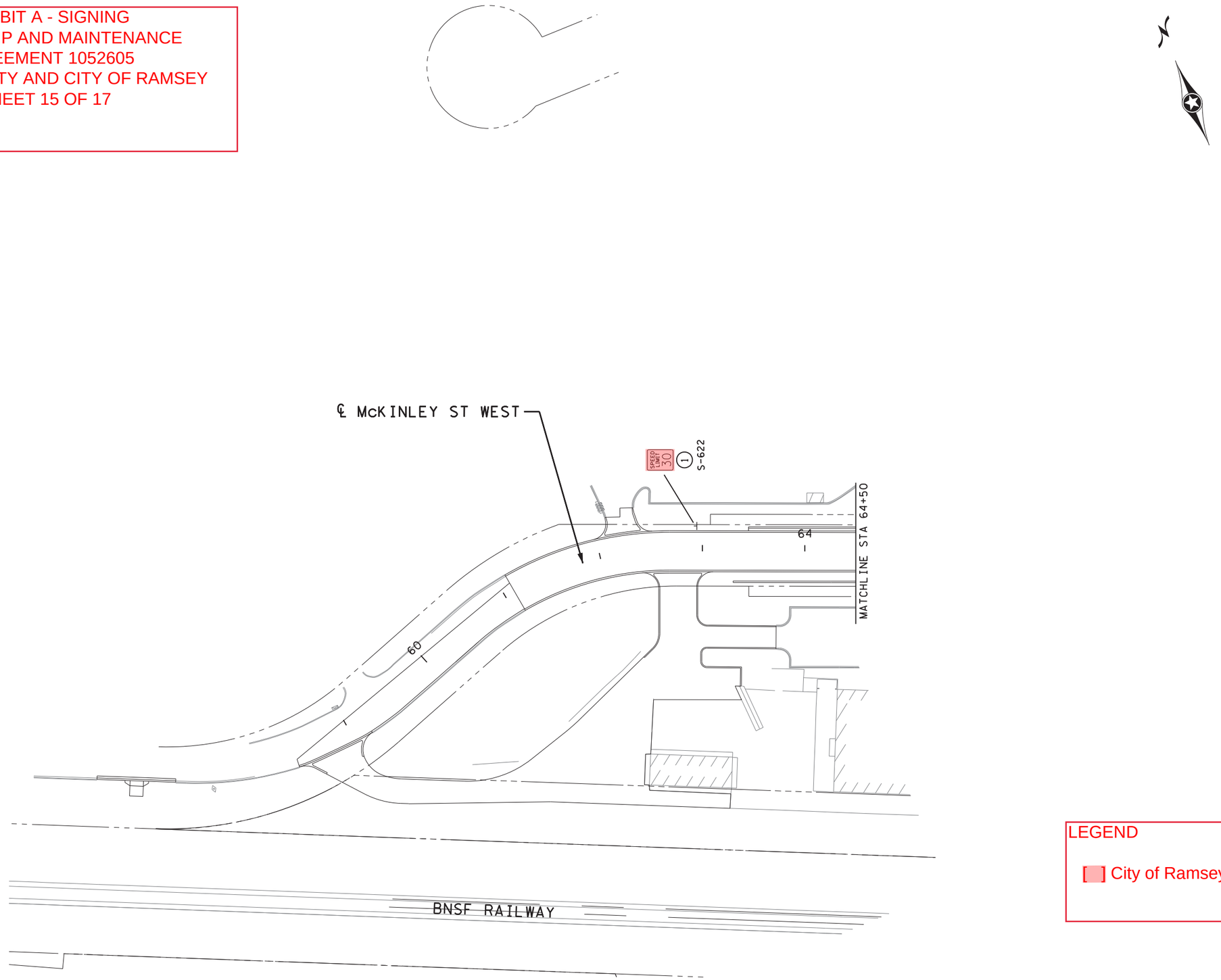
SHEET 636 OF 685

tombu 5/3/2023 pdf-B and W.pltcfg 1:05:22 PM bmi.tbl

LEGEND

① F&I

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 15 OF 17



LEGEND

[ ] City of Ramsey

PROPOSED SIGNING & STRIPING

0 50 100
SCALE FEET

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DRAWN	ABM
CHECKED	CTB

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TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

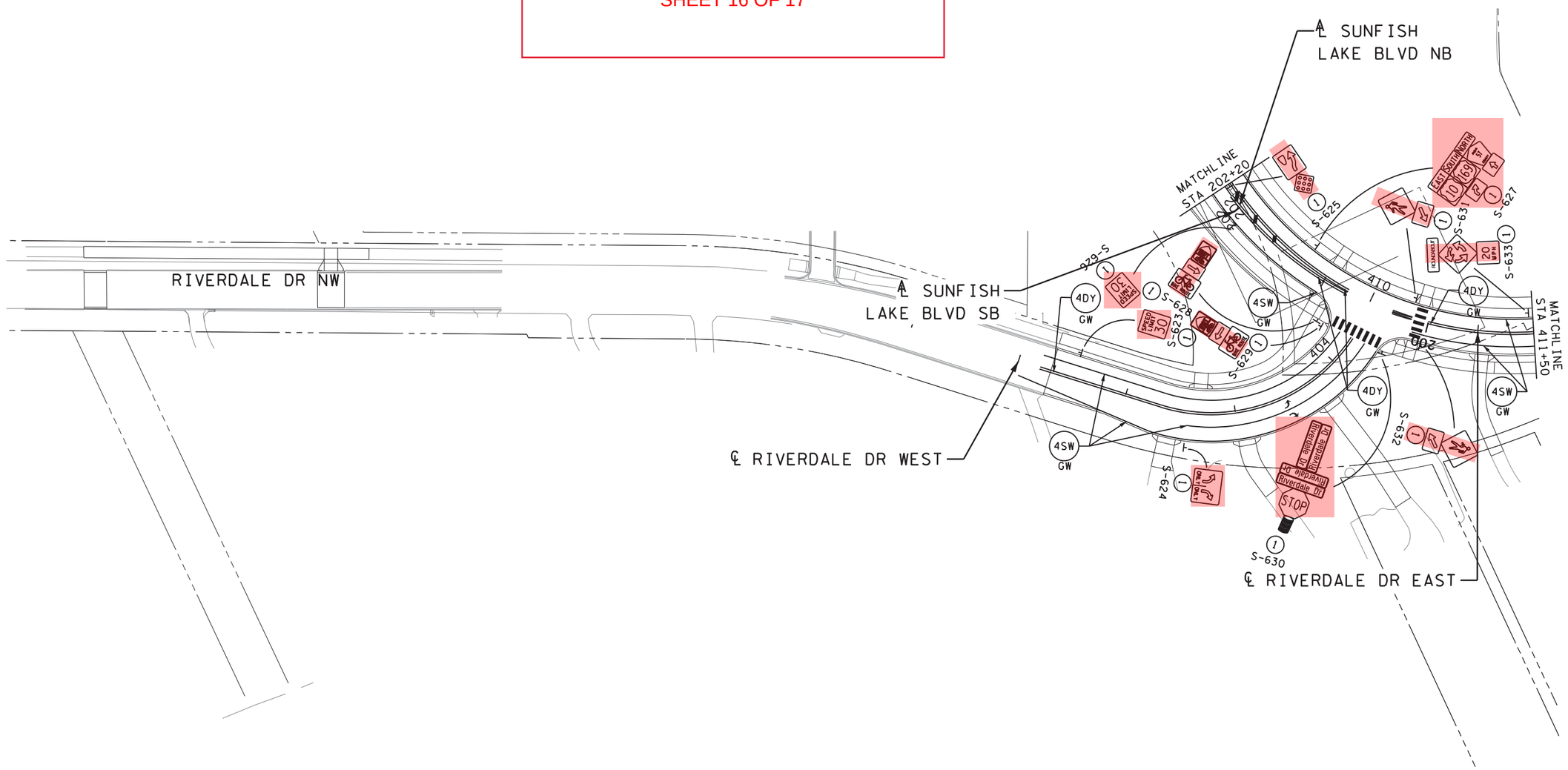
SHEET 637 OF 685

tombu 5/3/2023 pdf-B and W.pltcfg 1:05:23 PM bmi.tbl

LEGEND

(1) F&I

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 16 OF 17



LEGEND

[ ] City of Ramsey

PROPOSED SIGNING & STRIPING

0 50 100
SCALE FEET

H:\AKCO\T44121316\CAD\MS\plans\SignStrip\Proposed Signing & Striping\cd0202116_stp016.dgn

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DRAWN	ABM
CHECKED	CTB

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TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

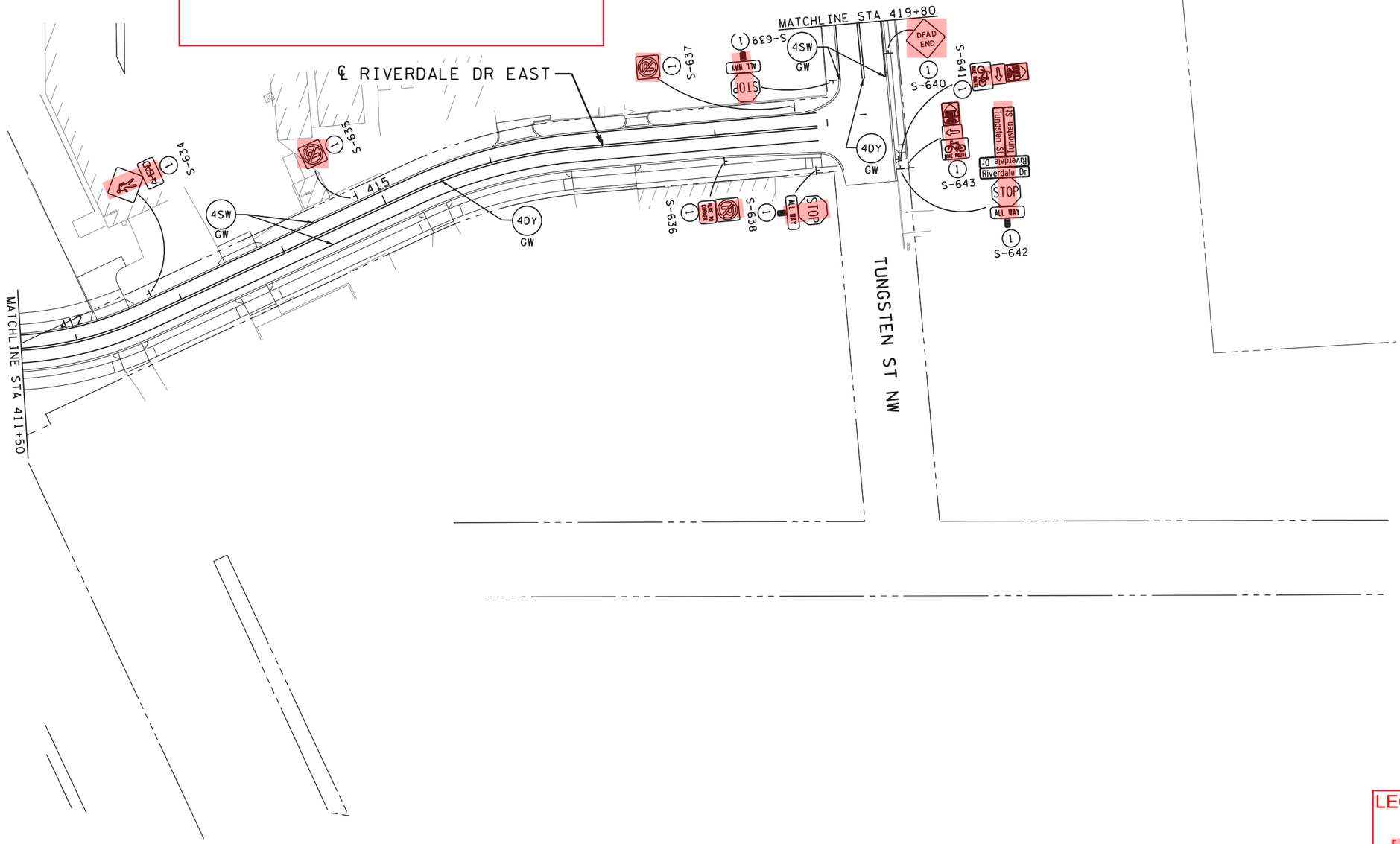
SHEET 638 OF 685

tombu 5/3/2023 pdf-B and W.pltcfg 1:05:26 PM bmi.tbl

LEGEND

(1) F&I

EXHIBIT A - SIGNING
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 17 OF 17



LEGEND

[ ] City of Ramsey

PROPOSED SIGNING & STRIPING

0 50 100
SCALE FEET

H:\AKCO\T44121316\CAD\MS\plans\SignStrip\Proposed Signing & Striping\cd0202116_stp017.dgn

BOLTON & MENK
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www.bolton-menk.com

REV.	BY	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

CURT T. BREZINA
LIC. NO. 59919 DATE 03-08-2023

DESIGNED	ABM
DRAWN	ABM
CHECKED	CTB

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
SIGNING & STRIPING PLAN

SHEET 639 OF 685

tombu 5/3/2023 pdf-B and W.pltcfg 1:05:28 PM bmi.tbl

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 1 OF 17

LEGEND

[ ] MnDOT

BNSF RAILWAY

HIGH POINT
TH 10/169 WB
STA. 477+61.80
ELEV. 874.50

℄ TH 10/169 WB

205

18" RCP-A

5313

5314

12' THRU LANE (INP)
12' THRU LANE (INP)

475

12' THRU LANE
12' THRU LANE

MATCHLINE STA 479+00

470

475

12' THRU LANE (INP)
12' THRU LANE (INP)

18" RCP

TH 10/169 EB STA 471+94.34
BEGIN S.P. 0202-116,
S.P. 002-596-026

℄ TH 10/169 EB

ALPACA
ST NW

RIVERDALE DR NW

LEGEND

XXXX	DRAINAGE STRUCTURE NUMBER		RANDOM RIPRAP CL III
	PROPOSED/INPLACE APRON		EXISTING RIGHT-OF-WAY
	PROPOSED/INPLACE DRAINAGE STRUCTURE		PROPOSED RIGHT-OF-WAY
	PROPOSED STORM SEWER AND/OR CULVERT		TEMPORARY EASEMENT
	INPLACE STORM SEWER AND/OR CULVERT		CONSTRUCTION LIMITS
	CASED STORM SEWER		EXISTING EASEMENT
	SURFACE FLOW DIRECTION		PROPOSED EASEMENT
		①	CONNECT INTO EXISTING DRAINAGE STRUCTURE
		②	CONNECT TO EXISTING STORM SEWER

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5313	412		
5314	412		

John.Perkins 5/9/2023 pdf-B and W.pltcfg 8:08:19 AM bmi.tbl

SCALE 0 50 100 FEET

H:\AKCO\T44121316\CAD\MS\plans\Drainage\cd0202116_dr002.dgn

BOLTON & MENK
12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
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Email: Burnsville@bolton-menk.com
www.bolton-menk.com

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JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

DESIGNED NTS
DRAWN NTS
CHECKED JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 347 OF 685

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 2 OF 17

LEGEND

[ ] MnDOT

[ ] City of Ramsey

℄ TRAIN STATION
TRAIL CONNECTION

DITCH BLOCK
STA 484+05.30
ELEV 871.50

EXISTING WET POND

60" RCP

HIGH POINT
NW FRONTAGE RD
STA. 790+28.41
ELEV. 870.40

BEGIN CONSTRUCTION
NW FRONTAGE RD STA 789+33.87

6038 (1)

20 LF
96" STEEL CASING

℄ TH 10/169 WB

℄ NW FRONTAGE RD

72" RCP

5281

93

5612

790

5613 (2)

10' TRAIL

5540

5541

795

10' TRAIL

25.5'

5280

480

10' SHLD
12' THRU LANE
12' THRU LANE

5132

5131

4' SHLD

485

5079

5078

490

5045

5080

5043

5044

5081

5082

12' THRU LANE
12' THRU LANE
10' SHLD

MATCHLINE STA 479+00

MATCHLINE STA 493+50

72" RCP

℄ TH 10/169 EB

RIVERDALE DR NW

LEGEND

XXXX	DRAINAGE STRUCTURE NUMBER		RANDOM RIPRAP CL III
	PROPOSED/INPLACE APRON		EXISTING RIGHT-OF-WAY
	PROPOSED/INPLACE DRAINAGE STRUCTURE		PROPOSED RIGHT-OF-WAY
	PROPOSED STORM SEWER AND/OR CULVERT		TEMPORARY EASEMENT
	INPLACE STORM SEWER AND/OR CULVERT		CONSTRUCTION LIMITS
	CASED STORM SEWER		EXISTING EASEMENT
	SURFACE FLOW DIRECTION		PROPOSED EASEMENT
		(1)	CONNECT INTO EXISTING DRAINAGE STRUCTURE
		(2)	CONNECT TO EXISTING STORM SEWER

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5043	364	5132	364
5044	384	5280	381
5045	364	5281	381
5078	364	5540	384
5079	364	5541	384
5080	384	5612	374
5081	364	5613	374
5082	384	6038	374
5131	364		

0 50 100
SCALE FEET

H:\AKCO\T44121316\CAD\MS\plans\Drainage\cd0202116_dr003.dgn

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JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

DESIGNED	NTS
DRAWN	NTS
CHECKED	JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS

DRAINAGE PLAN

SHEET 348 OF 685

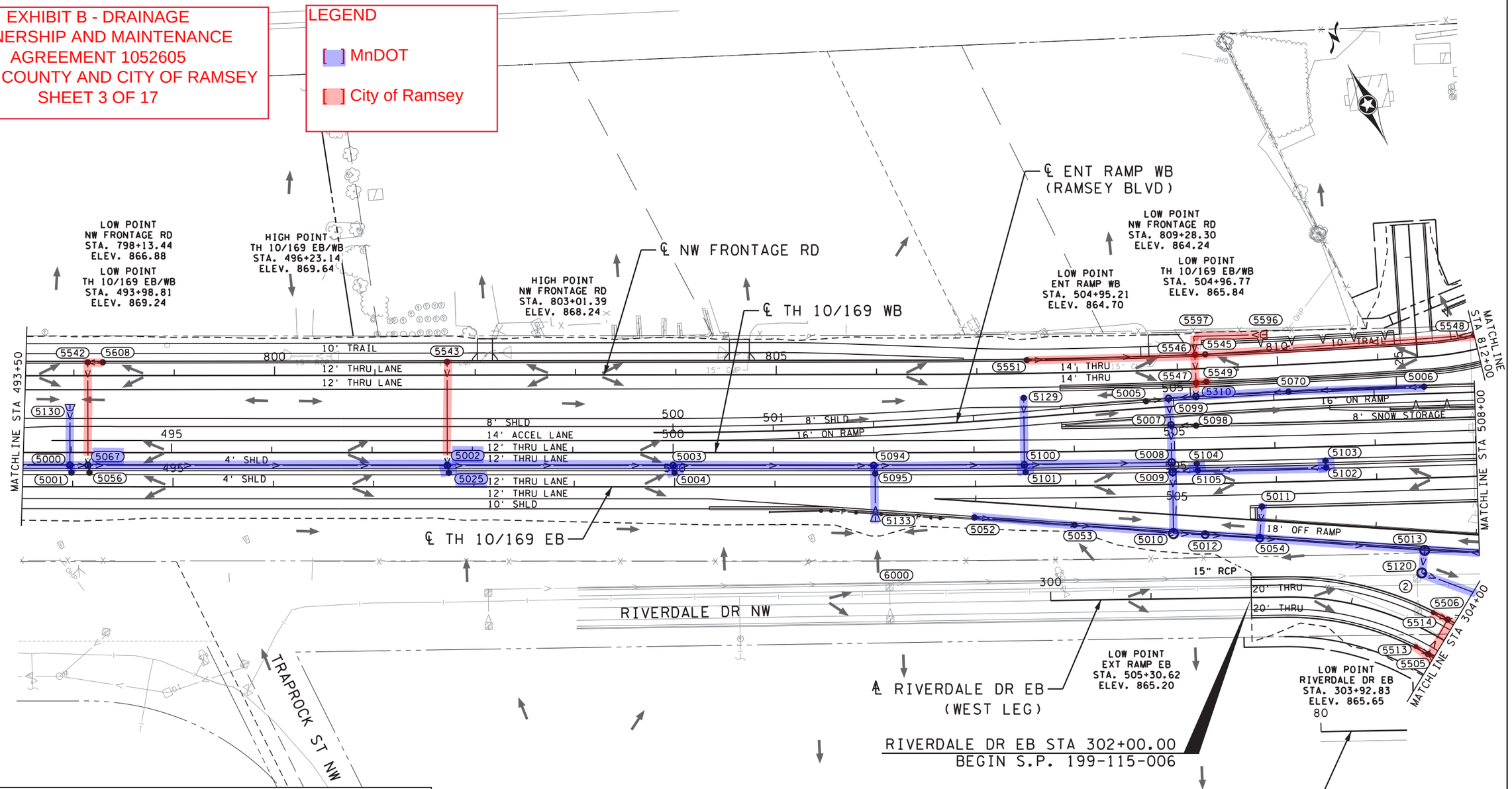
John.Perkins 5/9/2023 8:08:21 AM pdf-B and W.pltcfg bmi.tbl

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 3 OF 17

LEGEND

[ ] MnDOT

[ ] City of Ramsey



LEGEND

(XXXX) DRAINAGE STRUCTURE NUMBER	RANDOM RIPRAP CL III
PROPOSED/INPLACE APRON	EXISTING RIGHT-OF-WAY
PROPOSED/INPLACE DRAINAGE STRUCTURE	PROPOSED RIGHT-OF-WAY
PROPOSED STORM SEWER AND/OR CULVERT	TEMPORARY EASEMENT
INPLACE STORM SEWER AND/OR CULVERT	CONSTRUCTION LIMITS
CASED STORM SEWER	EXISTING EASEMENT
SURFACE FLOW DIRECTION	PROPOSED EASEMENT
	① CONNECT INTO EXISTING DRAINAGE STRUCTURE
	② CONNECT TO EXISTING STORM SEWER

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5000	364	5025	384	5103	386	5545	385
5001	384	5052	386	5104	407	5546	385
5002	365	5053	386	5105	386	5547	385
5003	365	5054	365	5120	365	5548	385
5004	407	5056	384	5129	407	5549	385
5005	385	5067	365	5130	384	5551	385
5006	386	5070	386	5133	407	5596	410
5007	385	5094	365	5310	385	5597	410
5008	365	5095	407	5505	366	5608	384
5009	365	5098	408	5506	366	6000	N/A
5010	365	5099	385	5513	387		
5011	407	5100	365	5514	387		
5012	365	5101	407	5542	384		
5013	365	5102	386	5543	384		

0 50 100
SCALE FEET

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John.Perkins 5/9/2023 pdf-B and W.pltcfg 8:08:22 AM bmi.tbl

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JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

DESIGNED NTS
DRAWN NTS
CHECKED JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 349 OF 685

LEGEND

- XXXX — DRAINAGE STRUCTURE NUMBER
- PROPOSED/INPLACE APRON
- PROPOSED/INPLACE DRAINAGE STRUCTURE
- PROPOSED STORM SEWER AND/OR CULVERT
- INPLACE STORM SEWER AND/OR CULVERT
- CASED STORM SEWER
- SURFACE FLOW DIRECTION
- RANDOM RIPRAP CL III
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- CONSTRUCTION LIMITS
- EXISTING EASEMENT
- PROPOSED EASEMENT
- ① CONNECT INTO EXISTING DRAINAGE STRUCTURE
- ② CONNECT TO EXISTING STORM SEWER

SPECIFIC NOTES:

Ⓐ STRUCTURE 5510 TO INCLUDE 5' SUMP AND STRUCTURAL POLLUTION CONTROL DEVICE (INCIDENTAL). SEE DRAINAGE DETAILS.

Ⓑ STRUCTURE 5515 TO INCLUDE 4' SUMP AND STRUCTURAL POLLUTION CONTROL DEVICE (INCIDENTAL). SEE DRAINAGE DETAILS.

Ⓒ STRUCTURE 5578 TO INCLUDE 4' SUMP AND STRUCTURAL POLLUTION CONTROL DEVICE (INCIDENTAL). SEE DRAINAGE DETAILS.

RAMSEY BLVD CONSTRUCTION

HIGH POINT TH 10/169 EB/WB STA. 508+26.67 ELEV. 866.83

EXHIBIT B - DRAINAGE OWNERSHIP AND MAINTENANCE AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 4 OF 17

LEGEND

- [ ] MnDOT
- [ ] Anoka County
- [ ] City of Ramsey
- [ ] Shared Maintenance

*Shared maintenance as defined in the Agreement.

KILO WET BASIN:
76% MnDOT, 24% CITY

JULIET INFILTRATION BASIN:
89% MnDOT, 11% CITY

OLD HOLIDAY STORMWATER BASIN:
26% MnDOT, 74% CITY

℄ NW FRONTAGE RD WB
℄ NW FRONTAGE RD EB
℄ ENT RAMP WB (RAMSEY BLVD)
MATCHLINE STA 812+00
℄ RAMSEY BLVD NORTH ROUNDABOUT
℄ TH 10/169 WB
℄ TH 10/169 EB
℄ RAMSEY BLVD SB (CSAH 56 SB)
℄ EXT RAMP EB (RAMSEY BLVD)
MATCHLINE STA 304+00
KILO WET BASIN
BTM = 853.0
NWL = 859.0
HWL = 863.1
℄ RIVERDALE DR WB (WEST LEG)
℄ RIVERDALE DR EB (WEST LEG)
10' TRAIL (REGIONAL PARK)
℄ N FRONTAGE RD WB (WEST)
OLD HOLIDAY STORMWATER BASIN
BTM = 856.4
HWL = 862.8
℄ N FRONTAGE RD DRIVEWAY
℄ N FRONTAGE RD EB (WEST)
℄ N FRONTAGE RD
℄ EXT RAMP WB (RAMSEY BLVD)
LOW POINT N FRONTAGE RD STA. 827+39.56 ELEV. 862.61
℄ RAMSEY BLVD NB (CSAH 56 NB)
LOW POINT TH 10/169 EB/WB STA. 514+48.23 ELEV. 864.74
10 LF 28" STEEL CASING
50 LF 48" STEEL CASING
JULIET INFILTRATION BASIN
BTM = 859.0
HWL = 863.1
BEGIN S.P. 002-656-001
RAMSEY BLVD NB (CSAH 56 NB)
STA 100+47.79
HIGH POINT TH 10/169 EB/WB STA. 519+12.12 ELEV. 867.11
LOW POINT ENT RAMP EB STA. 519+54.91 ELEV. 864.84
℄ ENT RAMP EB (RAMSEY BLVD)
℄ RAMSEY BLVD SOUTH ROUNDABOUT
℄ RIVERDALE DR EB (EAST LEG)
℄ RIVERDALE DR WB (EAST LEG)
RIVERDALE DR NW
MATCHLINE STA 521+00
END S.P. 199-115-006
RIVERDALE DR EB
STA 327+01.08

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
83	388	5123	389	5175	368	5508	366	5518	381	5574	366	5589	401		
84	388	5124	368	5257	402	5509	369	5520	381	5578	381	5606	381		
85	388	5125	368	5258	367	5510	369	5521	401	5579	381	5607	401		
86	388	5126	368	5271	380	5511	369	5538	381	5580	380	6001	383		
18	387	5127	369	5277	385	5512	389	5539	381	5582	380				
19	368	5128	369	5301	410	5515	369	5548	385	5583	401				
21	365	5134	385	5500	369	5516	369	5553	385	5585	401				
22	389	5135	367	5507	366	5517	402	5572	369	5586	380				

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JOHN L. PERKINS LIC. NO. 56278 DATE 03-08-2023

DESIGNED NTS
DRAWN NTS
CHECKED JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 350 OF 685

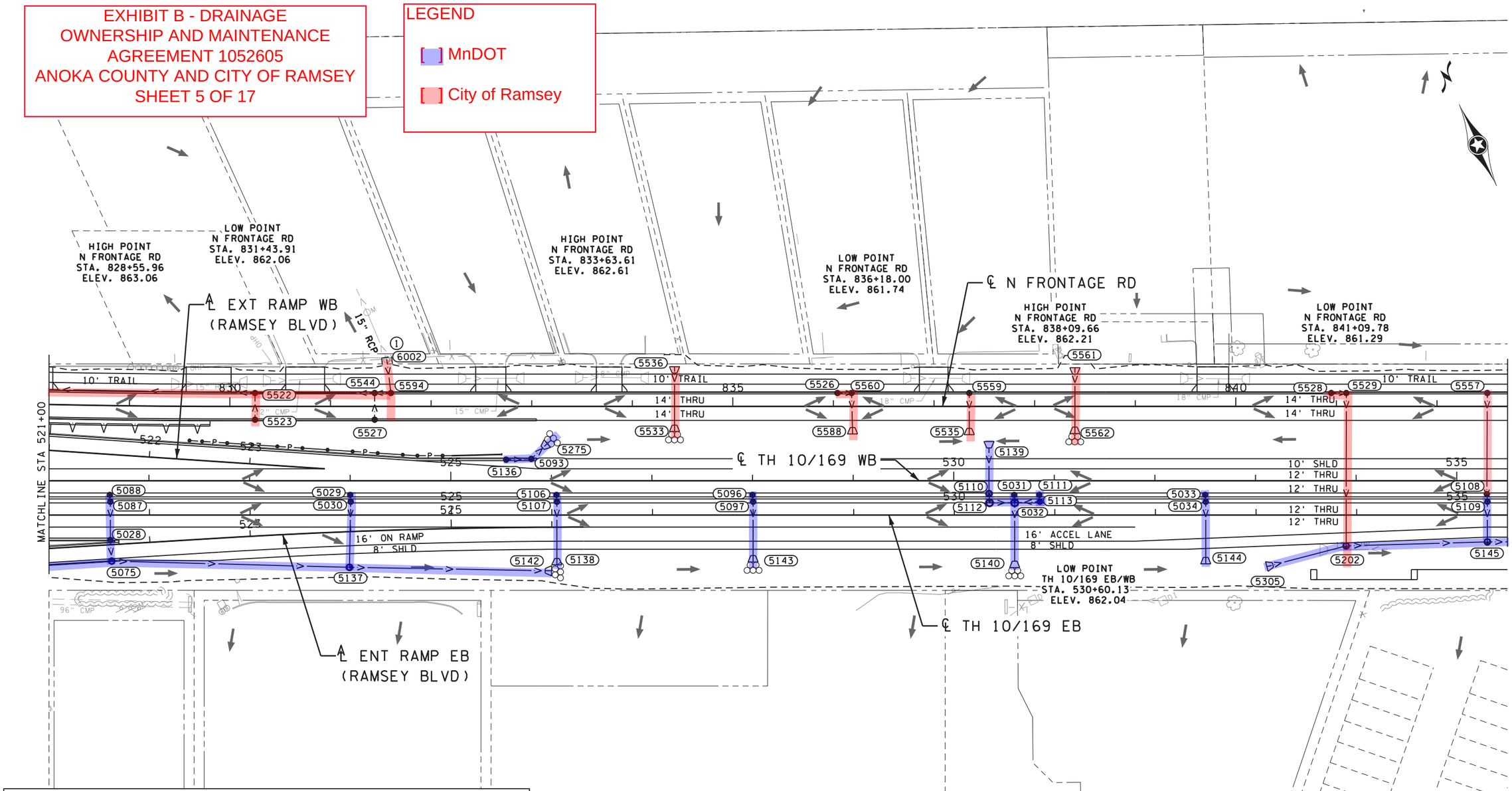
John.Perkins 5/9/2023 8:08:25 AM pdf-B and W.pltcfg

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 5 OF 17

LEGEND

[ ] MnDOT

[ ] City of Ramsey



LEGEND

XXXX — DRAINAGE STRUCTURE NUMBER	RANDOM RIPRAP CL III
PROPOSED/INPLACE APRON	EXISTING RIGHT-OF-WAY
PROPOSED/INPLACE DRAINAGE STRUCTURE	PROPOSED RIGHT-OF-WAY
PROPOSED STORM SEWER AND/OR CULVERT	TEMPORARY EASEMENT
INPLACE STORM SEWER AND/OR CULVERT	CONSTRUCTION LIMITS
CASED STORM SEWER	EXISTING EASEMENT
SURFACE FLOW DIRECTION	PROPOSED EASEMENT
	① CONNECT INTO EXISTING DRAINAGE STRUCTURE
	② CONNECT TO EXISTING STORM SEWER

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5028	389	5107	408	5144	390	5544	381
5029	406	5108	390	5145	412	5557	390
5030	406	5109	390	5202	412	5559	406
5031	390	5110	390	5275	402	5560	402
5032	390	5111	390	5305	412	5561	399
5033	390	5112	390	5522	381	5562	399
5034	390	5113	390	5523	381	5588	402
5075	369	5136	402	5526	402	5594	381
5087	389	5137	369	5527	402	6002	381
5088	389	5138	408	5528	380		
5093	402	5139	390	5529	380		
5096	406	5140	390	5533	402		
5097	406	5142	369	5535	406		
5106	408	5143	406	5536	402		

SCALE 0 50 100 FEET

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JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

DESIGNED	NTS
DRAWN	NTS
CHECKED	JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 351 OF 685

John.Perkins 5/9/2023 8:08:27 AM pdf-B and W.pltcfg bmi.tbl

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 6 OF 17

LEGEND

[ ] MnDOT

[ ] City of Ramsey

HIGH POINT
N FRONTAGE RD
STA. 845+93.10
ELEV. 862.83

℄ TH 10/169 WB

LOW POINT
N FRONTAGE RD
STA. 851+03.33
ELEV. 860.94

12" HDPE

15" CMP

HIGH POINT
N FRONTAGE RD
STA. 852+40.55
ELEV. 861.24

℄ N FRONTAGE RD

MATCHLINE STA 535+50

MATCHLINE STA 550+50

10' TRAIL

14' THRU

14' THRU

10' SHLD

12' THRU

12' THRU

12' THRU

12' THRU

10' SHLD

15" RCP

18" CMP

CANNOT LOCATE CULVERT APRON;
BURIED & CRUSHED

5525 5530 5532 6003 5833 5534 5531 5550 5552 5524 5834 5035 5036 5037 5038 5073 5072 5089 5090 5091 5092 5114 5116 5141 5146 5147 5148 5149 5306

845 850 855 540 545 550

℄ TH 10/169 EB

HIGH POINT
TH 10/169 EB/WB
STA. 536+53.07
ELEV. 863.80

FELDSPAR
ST NW

RIVERDALE DR NW

LEGEND

XXXX DRAINAGE STRUCTURE NUMBER	RANDOM RIPRAP CL III
PROPOSED/INPLACE APRON	EXISTING RIGHT-OF-WAY
PROPOSED/INPLACE DRAINAGE STRUCTURE	PROPOSED RIGHT-OF-WAY
PROPOSED STORM SEWER AND/OR CULVERT	TEMPORARY EASEMENT
INPLACE STORM SEWER AND/OR CULVERT	CONSTRUCTION LIMITS
CASED STORM SEWER	EXISTING EASEMENT
SURFACE FLOW DIRECTION	PROPOSED EASEMENT
	① CONNECT INTO EXISTING DRAINAGE STRUCTURE
	② CONNECT TO EXISTING STORM SEWER

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5035	406	5116	391	5532	391
5036	406	5141	412	5534	390
5037	406	5146	406	5550	391
5038	406	5147	391	5552	375
5072	391	5148	391	5833	391
5073	391	5149	391	5834	391
5089	391	5306	412	6003	391
5090	391	5524	391		
5091	391	5525	390		
5092	391	5530	406		
5114	391	5531	406		

SCALE 0 50 100 FEET

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CHECKED JLP

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TH 10/169 IMPROVEMENTS

DRAINAGE PLAN

SHEET 352 OF 685

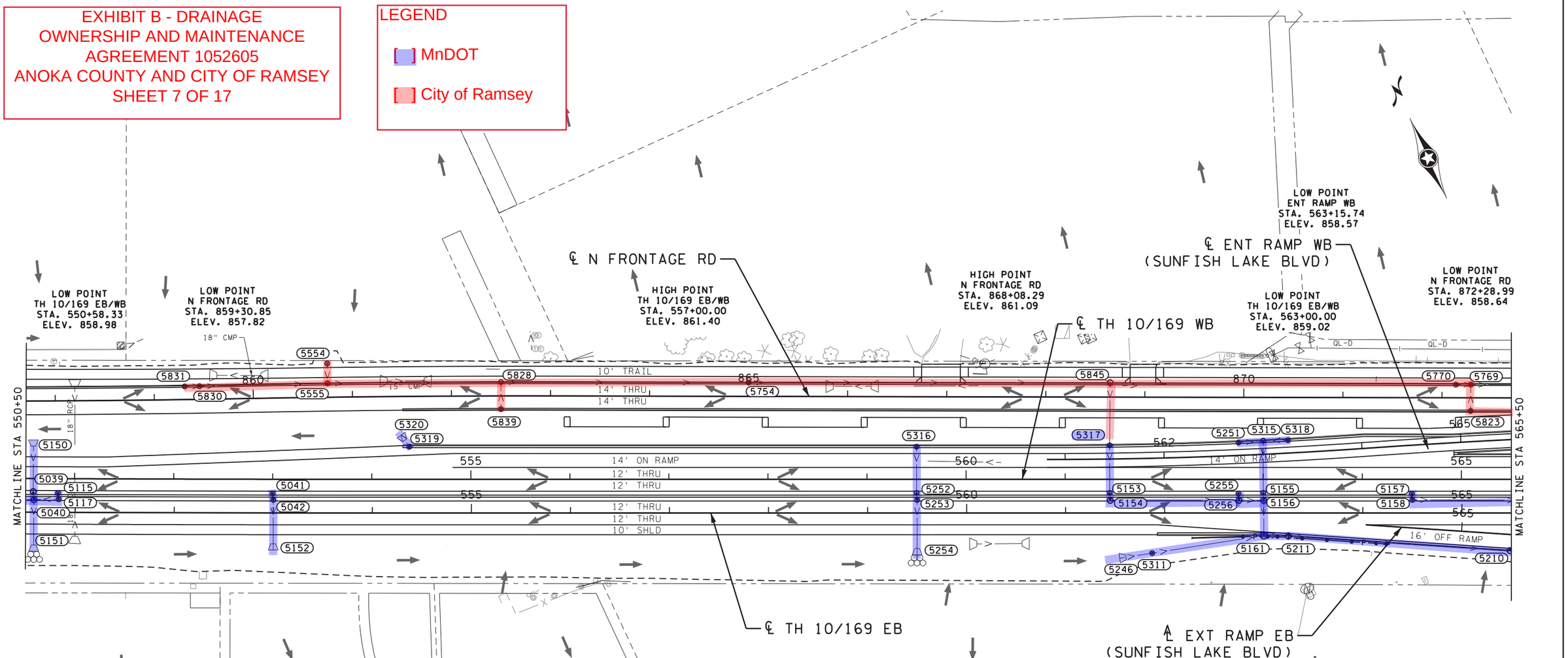
bmi.tbl
pdf-B and W.pltcfg
8:08:28 AM
John.Perkins
5/9/2023

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 7 OF 17

LEGEND

[ ] MnDOT

[ ] City of Ramsey



LEGEND

(XXXX) DRAINAGE STRUCTURE NUMBER	RANDOM RIPRAP CL III
PROPOSED/INPLACE APRON	EXISTING RIGHT-OF-WAY
PROPOSED/INPLACE DRAINAGE STRUCTURE	PROPOSED RIGHT-OF-WAY
PROPOSED STORM SEWER AND/OR CULVERT	TEMPORARY EASEMENT
INPLACE STORM SEWER AND/OR CULVERT	CONSTRUCTION LIMITS
CASED STORM SEWER	EXISTING EASEMENT
SURFACE FLOW DIRECTION	PROPOSED EASEMENT
	(1) CONNECT INTO EXISTING DRAINAGE STRUCTURE
	(2) CONNECT TO EXISTING STORM SEWER

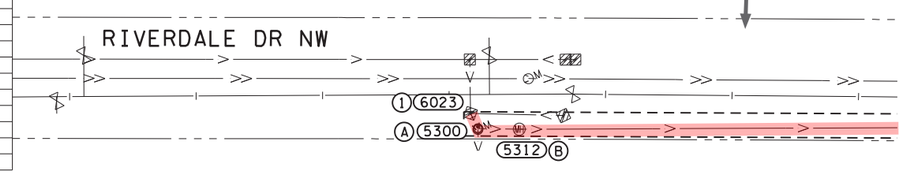
STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5039	370	5210	382	5319	412
5040	370	5211	382	5320	412
5041	405	5246	382	5554	409
5042	405	5251	394	5555	377
5115	391	5252	408	5754	377
5117	391	5253	408	5769	396
5150	370	5254	408	5770	396
5151	370	5255	394	5823	375
5152	405	5256	377	5828	377
5153	377	5300	383	5830	377
5154	377	5311	382	5831	377
5155	394	5312	383	5839	375
5156	377	5315	394	5845	377
5157	378	5316	408	6023	383
5158	378	5317	377		
5161	382	5318	412		

SPECIFIC NOTES:

(A) EXISTING PIPE DRAINING TO SOUTH TO BE ABANDONED. NO CONNECTION TO STRUCTURE 5300 REQUIRED.

(B) REFER TO MISCELLANEOUS REMOVALS (DRAINAGE) TABULATION AND DRAINAGE & PUBLIC UTILITY REMOVAL PLAN FOR LOCATION OF SALVAGED STRUCTURE TO BE INSTALLED.



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BOLTON & MENK
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BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burnsville@bolton-menk.com
www.bolton-menk.com

REV.	BY	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

DESIGNED	NTS
DRAWN	NTS
CHECKED	JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 353 OF 685

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John.Perkins
5/9/2023

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 8 OF 17

LEGEND

- MnDOT
- Anoka County
- City of Ramsey
- Shared Maintenance

*Shared maintenance as defined in the Agreement.

INDIA INFILTRATION BASIN:
84% MnDOT, 16% CITY

℄ SUNFISH LAKE BLVD NB (CSAH 57 NB)
℄ SUNFISH LAKE BLVD SB (CSAH 57 SB)
℄ SUNFISH LAKE BLVD NORTH ROUNDABOUT
℄ SUNFISH LAKE BLVD SOUTH ROUNDABOUT
℄ ENT RAMP WB (SUNFISH LAKE BLVD)
℄ N FRONTAGE RD WB (EAST)
℄ N FRONTAGE RD EB (EAST)
℄ N FRONTAGE RD
℄ TH 10/169 WB
℄ TH 10/169 EB
℄ EXT RAMP EB (SUNFISH LAKE BLVD)
℄ NE FRONTAGE RD WB
℄ NE FRONTAGE RD EB
℄ EXT RAMP WB (SUNFISH LAKE BLVD)
℄ ENT RAMP EB (SUNFISH LAKE BLVD)

HIGH POINT
TH 10/169 EB/WB
STA. 568+86.39
ELEV. 861.36

LOW POINT
TH 10/169 EB/WB
STA. 577+02.44
ELEV. 857.17

HOTEL
DRY BASIN
BTM = 855.8
HWL = 858.7

INDIA INFILTRATION BASIN
BTM = 850.0
HWL = 855.8

85 LF 72" STEEL CASING (JACKED)
65 LF 72" STEEL CASING
55 LF 72" STEEL CASING
60 LF 36" STEEL CASING

MATCHLINE STA 565+50
MATCHLINE STA 580+20
MATCHLINE STA 904+70
MATCHLINE STA 202+80

24" RCP
36" RCP
10" PVC
12" HDPE
15" HDPE

10' TRAIL
14' THRU
12' THRU
13' SHLD
16' ON RAMP
18' OFF RAMP
22' ON RAMP
18' SIDEPATH
12' SIDEPATH

SUNFISH LAKE BLVD NB
(CSAH 57)
STA 205+01.40
BEGIN S.P. 002-657-003
END S.P. 199-113-003

SUNFISH LAKE BLVD CONSTRUCTION

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5159	396	5181	378	5303	395	5800	392
5160	396	5182	404	5307	395	5801	373
5162	395	5183	397	5308	395	5802	373
5163	395	5210	382	5309	405	5805	392
5164	395	5212	395	5735	403	5822	411
5165	378	5213	404	5736	379	5825	392
5166	395	5214	395	5737	379	5836	395
5167	382	5215	395	5738	379	5837	396
5168	395	5217	404	5739	403	5838	396
5169	396	5218	396	5759	394	5841	395
5170	396	5219	404	5760	395	5844	395
5171	378	5220	404	5761	395	5854	411
5172	396	5221	378	5762	395	5856	411
5173	404	5222	397	5763	394	6012	N/A
5174	404	5223	397	5764	395	6026	N/A
5176	378	5224	397	5765	404		
5177	404	5225	403	5767	396		
5178	396	5226	378	5768	396		
5179	396	5248	378	5798	372		
5180	378	5274	378	5799	373		

LEGEND

- XXXX — DRAINAGE STRUCTURE NUMBER
- PROPOSED/INPLACE APRON
- PROPOSED/INPLACE DRAINAGE STRUCTURE
- PROPOSED STORM SEWER AND/OR CULVERT
- INPLACE STORM SEWER AND/OR CULVERT
- CASED STORM SEWER
- SURFACE FLOW DIRECTION
- RANDOM RIPRAP CL III
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- CONSTRUCTION LIMITS
- EXISTING EASEMENT
- PROPOSED EASEMENT
- ① CONNECT INTO EXISTING DRAINAGE STRUCTURE
- ② CONNECT TO EXISTING STORM SEWER

SCALE 0 50 100 FEET

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JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

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DRAWN NTS
CHECKED JLP

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TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

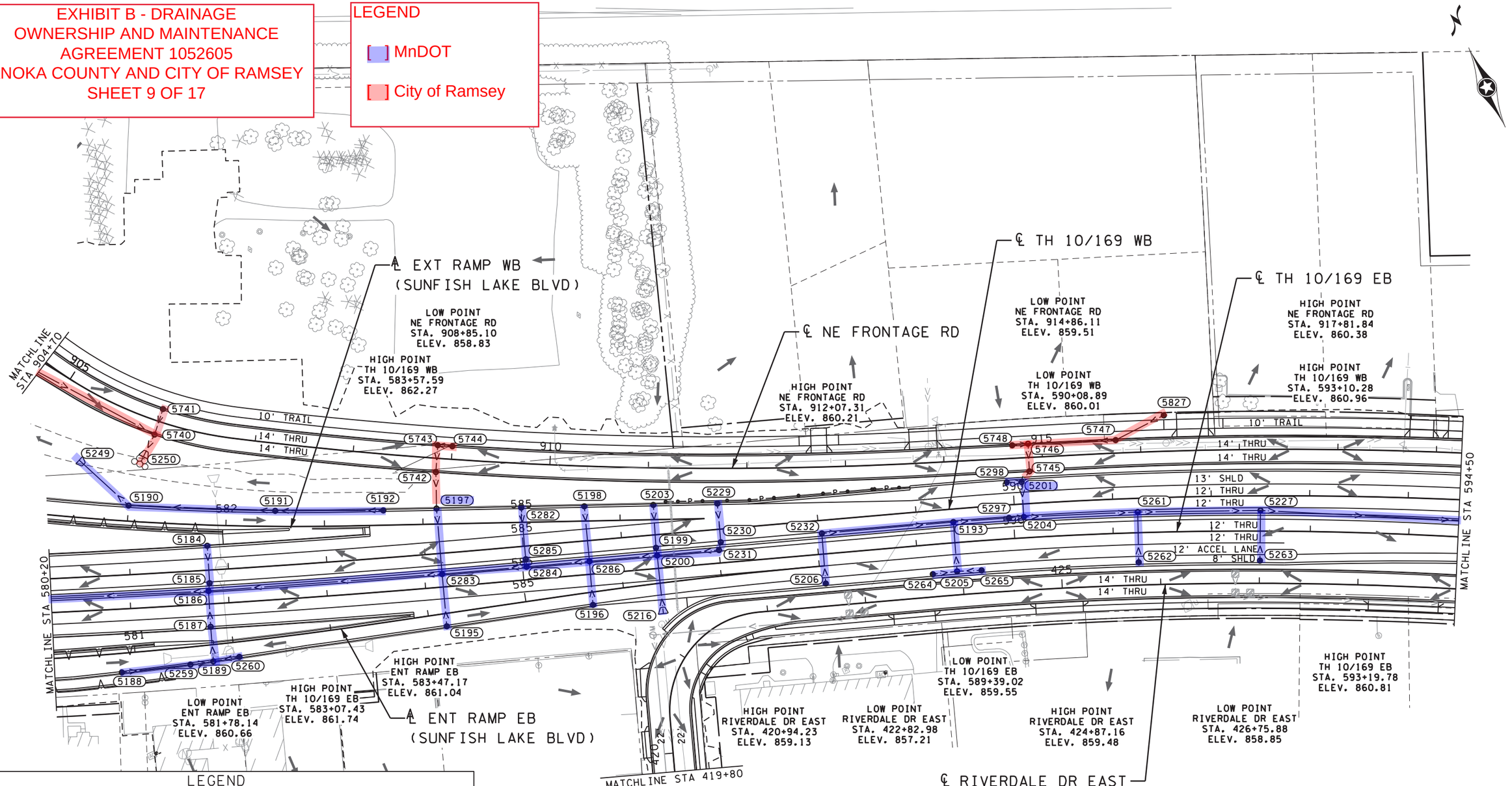
SHEET 354 OF 685

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 9 OF 17

LEGEND

[ ] MnDOT

[ ] City of Ramsey



LEGEND

XXXX — DRAINAGE STRUCTURE NUMBER	RANDOM RIPRAP CL III
PROPOSED/INPLACE APRON	EXISTING RIGHT-OF-WAY
PROPOSED/INPLACE DRAINAGE STRUCTURE	PROPOSED RIGHT-OF-WAY
PROPOSED STORM SEWER AND/OR CULVERT	TEMPORARY EASEMENT
INPLACE STORM SEWER AND/OR CULVERT	CONSTRUCTION LIMITS
CASED STORM SEWER	EXISTING EASEMENT
SURFACE FLOW DIRECTION	PROPOSED EASEMENT
	① CONNECT INTO EXISTING DRAINAGE STRUCTURE
	② CONNECT TO EXISTING STORM SEWER

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5184	397	5199	408	5250	379	5298	405
5185	397	5200	409	5259	397	5740	379
5186	397	5201	399	5260	397	5741	403
5187	397	5203	408	5261	371	5742	398
5188	397	5204	371	5262	401	5743	398
5189	397	5205	399	5263	401	5744	398
5190	370	5206	371	5264	399	5745	399
5191	370	5216	408	5265	399	5746	399
5192	370	5227	371	5282	408	5747	399
5193	371	5229	409	5283	398	5748	399
5195	408	5230	409	5284	409	5827	399
5196	408	5231	409	5285	408		
5197	398	5232	371	5286	409		
5198	408	5249	370	5297	371		

GENERAL NOTE:

SEE DRAINAGE & PUBLIC UTILITY REMOVAL PLAN AND MISCELLANEOUS REMOVALS (DRAINAGE) TABULATION FOR WORK ON EXISTING DRAINAGE STRUCTURES ON RIVERDALE DRIVE EAST.

SCALE 0 50 100 FEET

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LIC. NO. 56278 DATE 03-08-2023

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TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 355 OF 685

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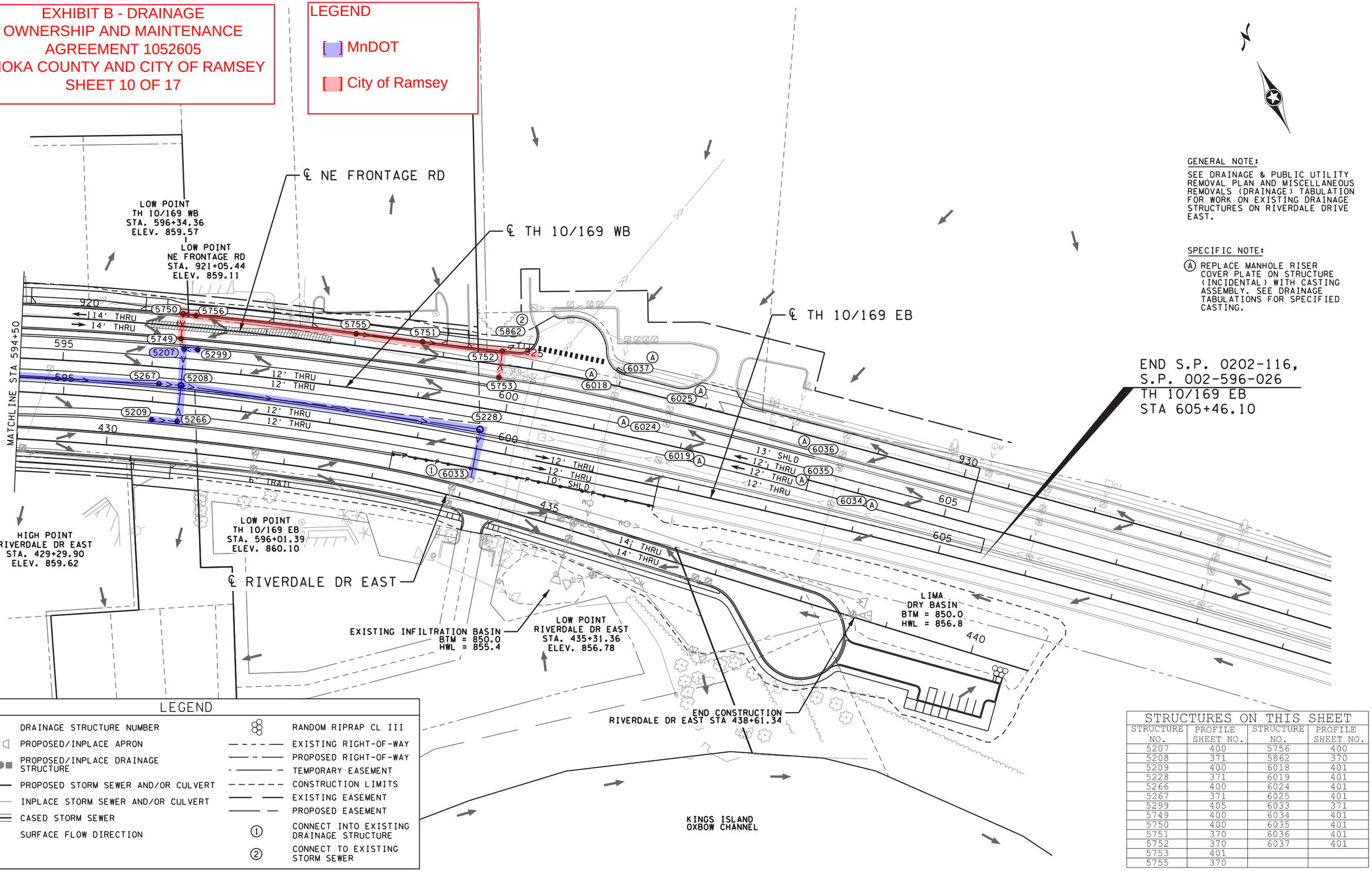
John.Perkins 5/9/2023

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 10 OF 17

LEGEND

[ ] MnDOT

[ ] City of Ramsey



GENERAL NOTE:

SEE DRAINAGE & PUBLIC UTILITY REMOVAL PLAN AND MISCELLANEOUS REMOVALS (DRAINAGE) TABULATION FOR WORK ON EXISTING DRAINAGE STRUCTURES ON RIVERDALE DRIVE EAST.

SPECIFIC NOTE:

(A) REPLACE MANHOLE RISER COVER PLATE ON STRUCTURE (INCIDENTAL) WITH CASTING ASSEMBLY. SEE DRAINAGE TABULATIONS FOR SPECIFIED CASTING.

LEGEND

(XXXX)	DRAINAGE STRUCTURE NUMBER		RANDOM RIPRAP CL III
	PROPOSED/INPLACE APRON		EXISTING RIGHT-OF-WAY
	PROPOSED/INPLACE DRAINAGE STRUCTURE		PROPOSED RIGHT-OF-WAY
	PROPOSED STORM SEWER AND/OR CULVERT		TEMPORARY EASEMENT
	INPLACE STORM SEWER AND/OR CULVERT		CONSTRUCTION LIMITS
	CASED STORM SEWER		EXISTING EASEMENT
	SURFACE FLOW DIRECTION		PROPOSED EASEMENT
		(1)	CONNECT INTO EXISTING DRAINAGE STRUCTURE
		(2)	CONNECT TO EXISTING STORM SEWER

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5207	400	5756	400
5208	371	5862	370
5209	400	6018	401
5228	371	6019	401
5266	400	6024	401
5267	371	6025	401
5299	405	6033	371
5749	400	6034	401
5750	400	6035	401
5751	370	6036	401
5752	370	6037	401
5753	401		
5755	370		

SCALE 0 50 100 FEET

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JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

DESIGNED NTS
DRAWN NTS
CHECKED JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001,
S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS

DRAINAGE PLAN

SHEET 356 OF 685

John.Perkins 5/9/2023 8:08:41 AM pdf-B and W.pltcfg bmi.tbl

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 11 OF 17

STRUCTURES ON THIS SHEET

5068	368	5302	410
5069	368	5501	367
5076	368	5504	367
5077	367	5539	381
5122	389	5580	380
5123	389	5581	380
5124	368	5582	380
5125	368	5583	401
5126	368	5584	380
5127	369	5585	401
5128	369	5586	380
5134	385		

NON-RAMSEY BLVD CONSTRUCTION

KILO WET BASIN:
76% MnDOT, 24% CITY

JULIET INFILTRATION BASIN:
89% MnDOT, 11% CITY

OLD HOLIDAY STORMWATER BASIN:
26% MnDOT, 74% CITY

LEGEND
- [ ] MnDOT
- [ ] Anoka County
- [ ] City of Ramsey
- [ ] Shared Maintenace

*Shared maintenance as defined in the Agreement.

℄ TH 10/169 WB
℄ TH 10/169 EB
℄ NW FRONTAGE RD
℄ ENT RAMP WB (RAMSEY BLVD)
℄ NW FRONTAGE RD WB
RAILWAY
KILO WET BASIN BTM = 853.0 NWL = 859.0 HWL = 863.1
℄ EXT RAMP EB (RAMSEY BLVD)
℄ RIVERDALE DR EB (WEST LEG)
℄ RIVERDALE DR WB (WEST LEG)
℄ REGIONAL PARK TRAIL
℄ RAMSEY BLVD ROUNDABOUT
002-656-001
℄ RAMSEY BLVD NB (CSAH 56 NB) STA 100+47.79
℄ RIVERDALE DR EB (EAST LEG)
℄ RIVERDALE DR WB (EAST LEG)
JULIET INFILTRATION BASIN BTM = 859.0 HWL = 863.1
℄ EXT RAMP WB (RAMSEY BLVD)
℄ ENT RAMP EB (RAMSEY BLVD)
℄ N FRONTAGE RD EB (WEST)
℄ N FRONTAGE RD WB (WEST)
HIGH POINT RAMSEY BLVD SB STA. 107+18.42 ELEV. 896.20
℄ RAMSEY BLVD SB (CSAH 56 SB)
MATCHLINE STA 109+50
HIGH POINT RAMSEY BLVD NB STA. 107+25.98 ELEV. 896.34
OLD HOLIDAY STORMWATER BASIN BTM = 856.4 HWL = 862.8
12' SIDEPATH
10' SHLD
18' THRU
20' THRU
13' TRUCK APRON
10' TRAIL
8' SNOW STORAGE
24" STEEL

LEGEND

XXXX DRAINAGE STRUCTURE NUMBER	RANDOM RIPRAP CL III
PROPOSED/INPLACE APRON	EXISTING RIGHT-OF-WAY
PROPOSED/INPLACE DRAINAGE STRUCTURE	PROPOSED RIGHT-OF-WAY
PROPOSED STORM SEWER AND/OR CULVERT	TEMPORARY EASEMENT
INPLACE STORM SEWER AND/OR CULVERT	CONSTRUCTION LIMITS
CASED STORM SEWER	EXISTING EASEMENT
SURFACE FLOW DIRECTION	PROPOSED EASEMENT
	① CONNECT INTO EXISTING DRAINAGE STRUCTURE
	② CONNECT TO EXISTING STORM SEWER

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SCALE 0 50 100 FEET

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JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

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S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 357 OF 685

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 12 OF 17

CITY PROPERTY

CITY PROPERTY

HIGH POINT
RAMSEY BLVD SB
STA. 119+13.33
ELEV. 869.42

℄ RAMSEY BLVD SB
(CSAH 56 SB)

LOW POINT
RAMSEY BLVD SB
STA. 115+67.59
ELEV. 867.40

10' TRAIL

12' THRU
14' THRU

12' RT TURN

14' LT TURN
12' THRU
12' THRU
14' RT TURN

10' SHLD (INP)
12' THRU (INP)
14' THRU (INP)

120

SUNWOOD DR NW

℄ RAMSEY BLVD NB
(CSAH 56 NB)

RAMSEY BLVD NB
(CSAH 56 NB)
STA 119+06.98
END S.P. 002-656-001

EXISTING
WET POND

60 LF 42"
STEEL CASING

35 LF 36"
STEEL CASING

5564
5565
5566
5571
5502
5503
5570
5611
5576
5575
5567
5609
5568
5577
5569
5610

14' THRU
10' TRAIL
14' THRU
14' RT TURN

115
110
110

MATCHLINE STA 109+50

LOW POINT
RAMSEY BLVD NB
STA. 115+77.59
ELEV. 867.55

BEGIN CONSTRUCTION
143RD AVE STA 50+25.93

19.5' THRU
19.5' THRU

END CONSTRUCTION
143RD AVE STA 52+89.63

℄ 143RD AVE

54

LEGEND

[ ] Anoka County

[ ] City of Ramsey

SPECIFIC NOTES:

Ⓐ STRUCTURE 5570 TO INCLUDE A 4' SUMP.

Ⓑ STRUCTURE 5565 TO INCLUDE A 4' SUMP.

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5502	387	5570	380
5503	387	5571	380
5564	366	5575	387
5565	366	5576	407
5566	366	5577	366
5567	387	5609	407
5568	366	5610	366
5569	366	5611	366

LEGEND

XXXX	DRAINAGE STRUCTURE NUMBER
	PROPOSED/INPLACE APRON
	PROPOSED/INPLACE DRAINAGE STRUCTURE
	PROPOSED STORM SEWER AND/OR CULVERT
	INPLACE STORM SEWER AND/OR CULVERT
	CASED STORM SEWER
	SURFACE FLOW DIRECTION
	RANDOM RIPRAP CL III
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	TEMPORARY EASEMENT
	CONSTRUCTION LIMITS
	EXISTING EASEMENT
	PROPOSED EASEMENT
①	CONNECT INTO EXISTING DRAINAGE STRUCTURE
②	CONNECT TO EXISTING STORM SEWER

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TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 358 OF 685

LEGEND

- XXXX — DRAINAGE STRUCTURE NUMBER
- PROPOSED/INPLACE APRON
- PROPOSED/INPLACE DRAINAGE STRUCTURE
- PROPOSED STORM SEWER AND/OR CULVERT
- INPLACE STORM SEWER AND/OR CULVERT
- CASED STORM SEWER
- SURFACE FLOW DIRECTION
- RANDOM RIPRAP CL III
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- CONSTRUCTION LIMITS
- EXISTING EASEMENT
- PROPOSED EASEMENT
- ① CONNECT INTO EXISTING DRAINAGE STRUCTURE
- ② CONNECT TO EXISTING STORM SEWER

NON SUNFISH LAKE BLVD CONSTRUCTION

EXHIBIT B - DRAINAGE OWNERSHIP AND MAINTENANCE AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 13 OF 17

INDIA INFILTRATION BASIN:
84% MnDOT, 16% CITY

℄ EXT RAMP EB (SUNFISH LAKE BLVD)
℄ N FRONTAGE RD
℄ TH 10/169 EB
℄ ENT RAMP WB (SUNFISH LAKE BLVD)
℄ TH 10/169 WB
℄ SUNFISH LAKE BLVD SOUTH ROUNDABOUT
℄ SUNFISH LAKE BLVD SB (CSAH 57 SB)
℄ N FRONTAGE RD EB (EAST)
℄ N FRONTAGE RD WB (EAST)
BNSF RAILWAY
HIGH POINT SUNFISH LAKE BLVD SB STA. 213+46.55 ELEV. 897.55
MATCHLINE STA 202+20
MATCHLINE STA 215+50
℄ SUNFISH LAKE BLVD NB (CSAH 57 NB)
END S.P. 199-113-003
SUNFISH LAKE BLVD NB
(CSAH 57 NB)
STA 205+01.40
BEGIN S.P. 002-657-003
INDIA INFILTRATION BASIN
BTM = 850.0
HWL = 855.8
℄ ENT RAMP EB (SUNFISH LAKE BLVD)
HOTEL DRY BASIN
BTM = 855.8
HWL = 858.7
℄ EXT RAMP WB (SUNFISH LAKE BLVD)
℄ SUNFISH LAKE BLVD NORTH ROUNDABOUT
℄ NE FRONTAGE RD WB
℄ NE FRONTAGE RD EB
EXISTING WET POND
HIGH POINT SUNFISH LAKE BLVD NB STA. 213+78.27 ELEV. 897.41
℄ SUNFISH LAKE BLVD NB (CSAH 57 NB)

LEGEND
- [ ] MnDOT
- [ ] Anoka County
- [ ] City of Ramsey
- [ ] Shared Maintenance

*Shared maintenance as defined in the Agreement.

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5233	398	5790	379
5234	398	5797	372
5235	398	5798	372
5236	370	5799	373
5237	370	5800	392
5238	370	5801	373
5239	403	5802	373
5240	370	5805	392
5248	378	5808	373
5274	378	5814	376
5291	370	5815	376
5292	370	5825	392
5293	370	5837	396
5294	398	6011	N/A
5296	379		
5757	398		
5758	379		
5789	379		

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SCALE FEET

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BOLTON & MENK
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REV.	BY	DATE

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JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

DESIGNED NTS
DRAWN NTS
CHECKED JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 359 OF 685

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5/9/2023

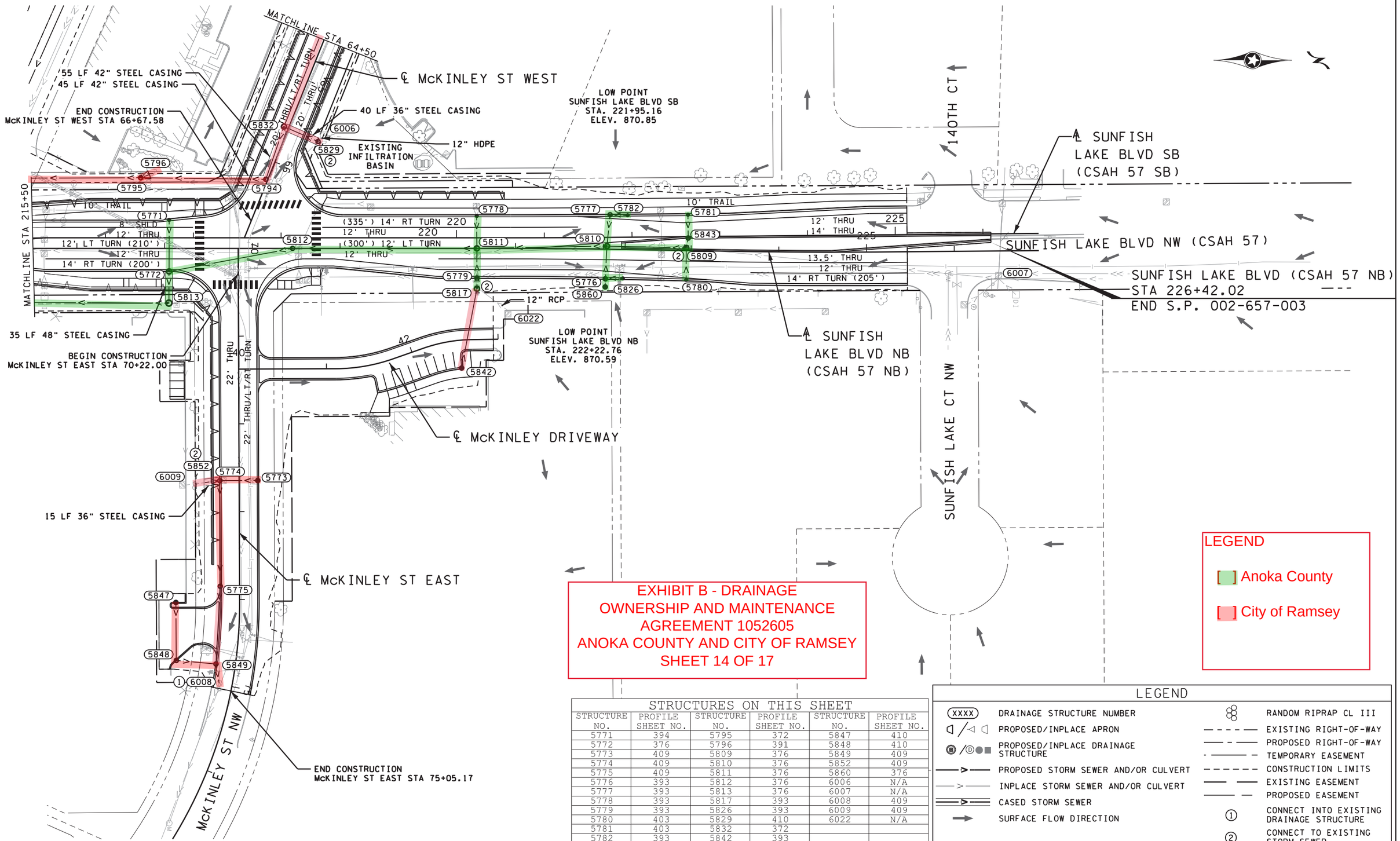

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 14 OF 17

LEGEND

[ ] Anoka County

[ ] City of Ramsey

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5771	394	5795	372	5847	410
5772	376	5796	391	5848	410
5773	409	5809	376	5849	409
5774	409	5810	376	5852	409
5775	409	5811	376	5860	376
5776	393	5812	376	6006	N/A
5777	393	5813	376	6007	N/A
5778	393	5817	393	6008	409
5779	393	5826	393	6009	409
5780	403	5829	410	6022	N/A
5781	403	5832	372		
5782	393	5842	393		
5794	372	5843	403		

LEGEND

- XXXX — DRAINAGE STRUCTURE NUMBER
- PROPOSED/INPLACE APRON
- PROPOSED/INPLACE DRAINAGE STRUCTURE
- PROPOSED STORM SEWER AND/OR CULVERT
- INPLACE STORM SEWER AND/OR CULVERT
- CASED STORM SEWER
- SURFACE FLOW DIRECTION
- RANDOM RIPRAP CL III
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- CONSTRUCTION LIMITS
- EXISTING EASEMENT
- PROPOSED EASEMENT
- ① CONNECT INTO EXISTING DRAINAGE STRUCTURE
- ② CONNECT TO EXISTING STORM SEWER

SCALE 0 50 100 FEET

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JOHN L. PERKINS LIC. NO. 56278 DATE 03-08-2023

DESIGNED NTS
DRAWN NTS
CHECKED JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS

DRAINAGE PLAN

SHEET 360 OF 685

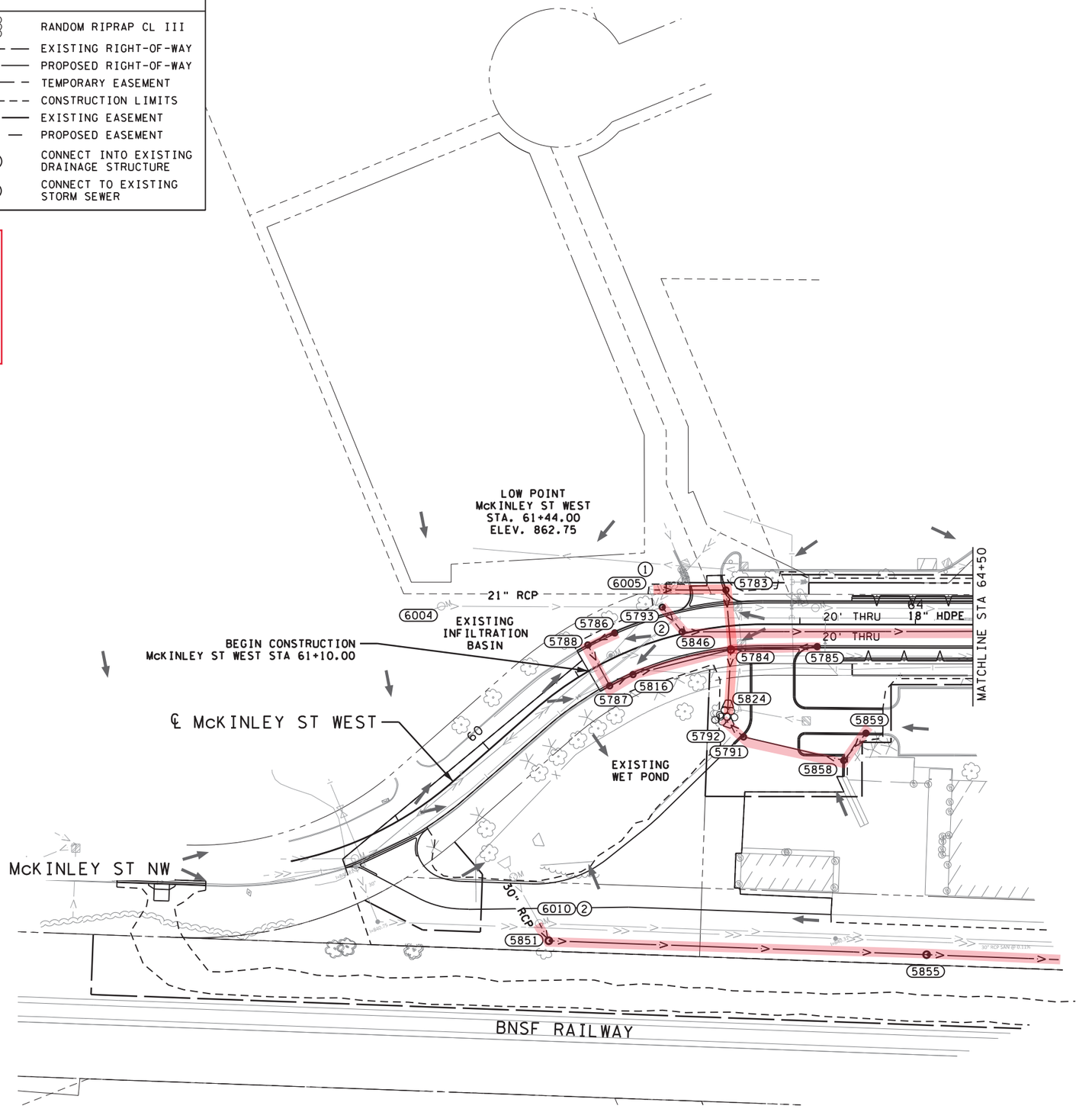
LEGEND

XXXX	DRAINAGE STRUCTURE NUMBER		RANDOM RIPRAP CL III
	PROPOSED/INPLACE APRON		EXISTING RIGHT-OF-WAY
	PROPOSED/INPLACE DRAINAGE STRUCTURE		PROPOSED RIGHT-OF-WAY
	PROPOSED STORM SEWER AND/OR CULVERT		TEMPORARY EASEMENT
	INPLACE STORM SEWER AND/OR CULVERT		CONSTRUCTION LIMITS
	CASED STORM SEWER		EXISTING EASEMENT
	SURFACE FLOW DIRECTION		PROPOSED EASEMENT
		①	CONNECT INTO EXISTING DRAINAGE STRUCTURE
		②	CONNECT TO EXISTING STORM SEWER

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 15 OF 17

LEGEND

[ ] City of Ramsey



SPECIFIC NOTE:

CONTRACTOR MUST COORDINATE WITH GRE TRASNMISSION CONSTRUCTION LEAD WHEN WORKING ALONG GRE OH TRANSMISSION LINE, COORDINATE AND PAY FOR ALL COSTS ASSOCIATED WITH EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO TEMPORARILY SUPPORT THE TRANSMISSION POLES. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS AND CONTACT INFORMATION.

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5783	375	5824	375
5784	375	5846	372
5785	375	5851	411
5786	393	5855	411
5787	393	5858	393
5788	393	5859	393
5791	393	6004	N/A
5792	393	6005	375
5793	372	6010	411
5816	393		

0 50 100
SCALE FEET

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JOHN L. PERKINS
LIC. NO. 56278 DATE 03-08-2023

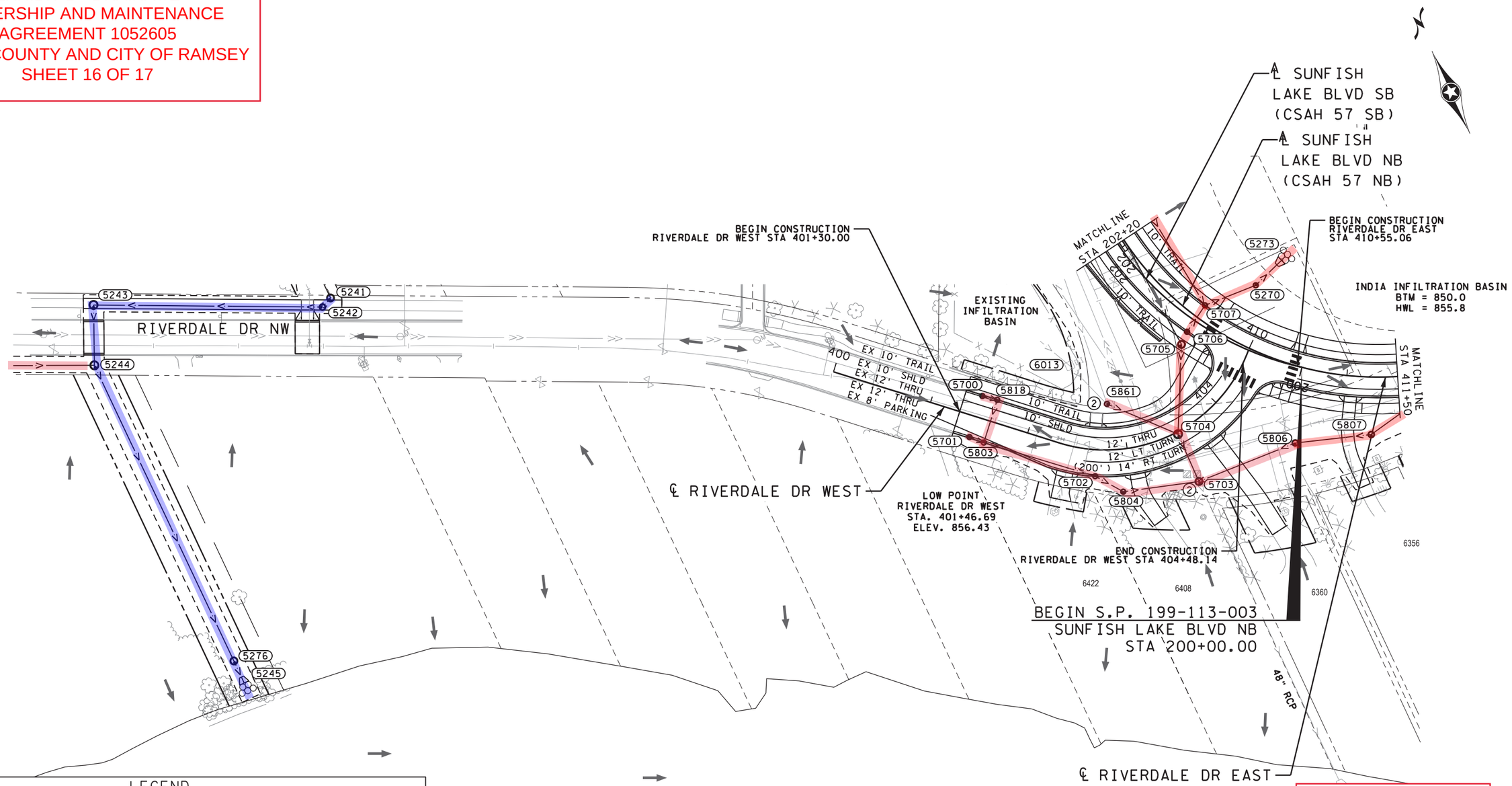
DESIGNED	NTS
DRAWN	NTS
CHECKED	JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

SHEET 361 OF 685

John.Perkins 5/9/2023 pdf-B and W.pltcfg 8:09:14 AM bmi.tbl

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 16 OF 17



LEGEND

XXXX — DRAINAGE STRUCTURE NUMBER	RANDOM RIPRAP CL III
PROPOSED/INPLACE APRON	EXISTING RIGHT-OF-WAY
PROPOSED/INPLACE DRAINAGE STRUCTURE	PROPOSED RIGHT-OF-WAY
PROPOSED STORM SEWER AND/OR CULVERT	TEMPORARY EASEMENT
INPLACE STORM SEWER AND/OR CULVERT	CONSTRUCTION LIMITS
CASED STORM SEWER	EXISTING EASEMENT
SURFACE FLOW DIRECTION	PROPOSED EASEMENT
	① CONNECT INTO EXISTING DRAINAGE STRUCTURE
	② CONNECT TO EXISTING STORM SEWER

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5241	382	5704	373
5242	382	5705	373
5243	382	5706	403
5244	383	5707	370
5245	383	5803	392
5270	370	5804	392
5273	370	5806	400
5276	383	5807	400
5700	392	5818	392
5701	392	5861	375
5702	392	6013	N/A
5703	373		

LEGEND

[ ] MnDOT

[ ] City of Ramsey

0 50 100
SCALE FEET

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DRAWN	NTS
CHECKED	JLP

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

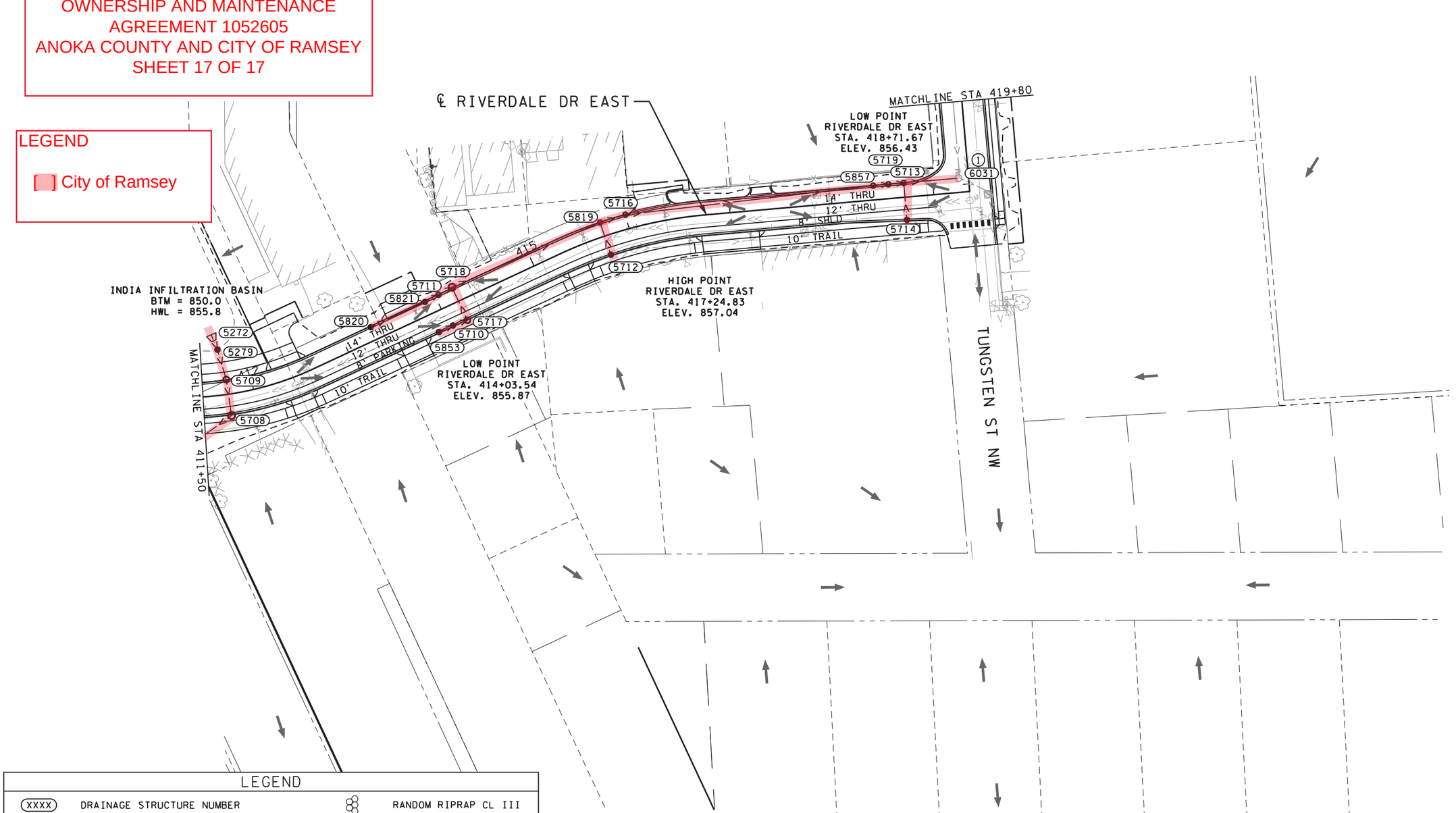
SHEET 362 OF 685

John.Perkins 5/9/2023 8:09:16 AM pdf-B and W.pltcfg bmi.tbl

EXHIBIT B - DRAINAGE
OWNERSHIP AND MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 17 OF 17

LEGEND

City of Ramsey



LEGEND

XXXX	DRAINAGE STRUCTURE NUMBER		RANDOM RIPRAP CL III
	PROPOSED/INPLACE APRON		EXISTING RIGHT-OF-WAY
	PROPOSED/INPLACE DRAINAGE STRUCTURE		PROPOSED RIGHT-OF-WAY
	PROPOSED STORM SEWER AND/OR CULVERT		TEMPORARY EASEMENT
	INPLACE STORM SEWER AND/OR CULVERT		CONSTRUCTION LIMITS
	CASED STORM SEWER		EXISTING EASEMENT
	SURFACE FLOW DIRECTION		PROPOSED EASEMENT
		①	CONNECT INTO EXISTING DRAINAGE STRUCTURE
		②	CONNECT TO EXISTING STORM SEWER

STRUCTURES ON THIS SHEET

STRUCTURE NO.	PROFILE SHEET NO.	STRUCTURE NO.	PROFILE SHEET NO.
5272	400	5717	392
5279	400	5718	374
5708	400	5719	374
5709	400	5819	374
5710	392	5820	374
5711	374	5821	374
5712	405	5853	392
5713	374	5857	374
5714	405	6031	374
5716	374		

SCALE 0 50 100 FEET

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TH 10/169 IMPROVEMENTS
DRAINAGE PLAN

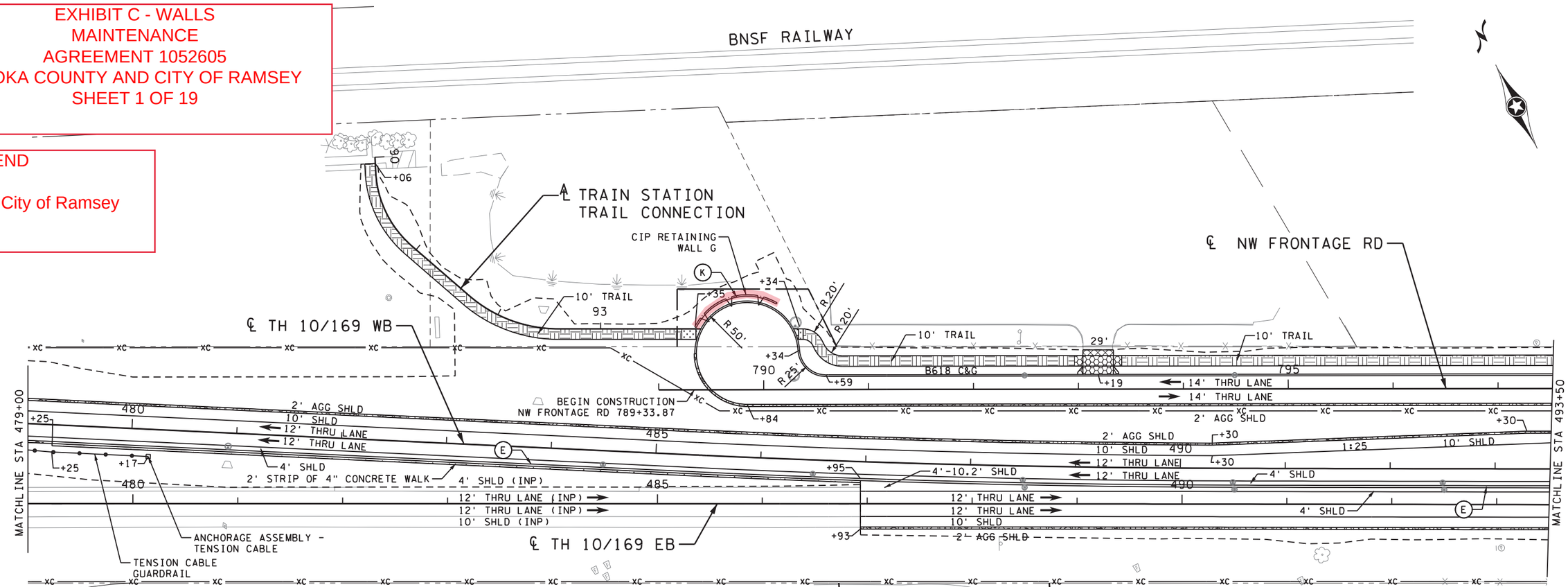
SHEET 363 OF 685

John.Perkins 5/9/2023 8:09:17 AM pdf-B and W.pltcfg bmi.tbl

EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 1 OF 19

LEGEND

City of Ramsey



LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(K) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) & ORNAMENTAL METAL RAILING TYPE SPECIAL PC (SEE MSE RETAINING WALL PLAN FOR DETAILS).

0 50 100
SCALE FEET

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	BAU
DRAWN	TWB
CHECKED	BAU

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 232 OF 685

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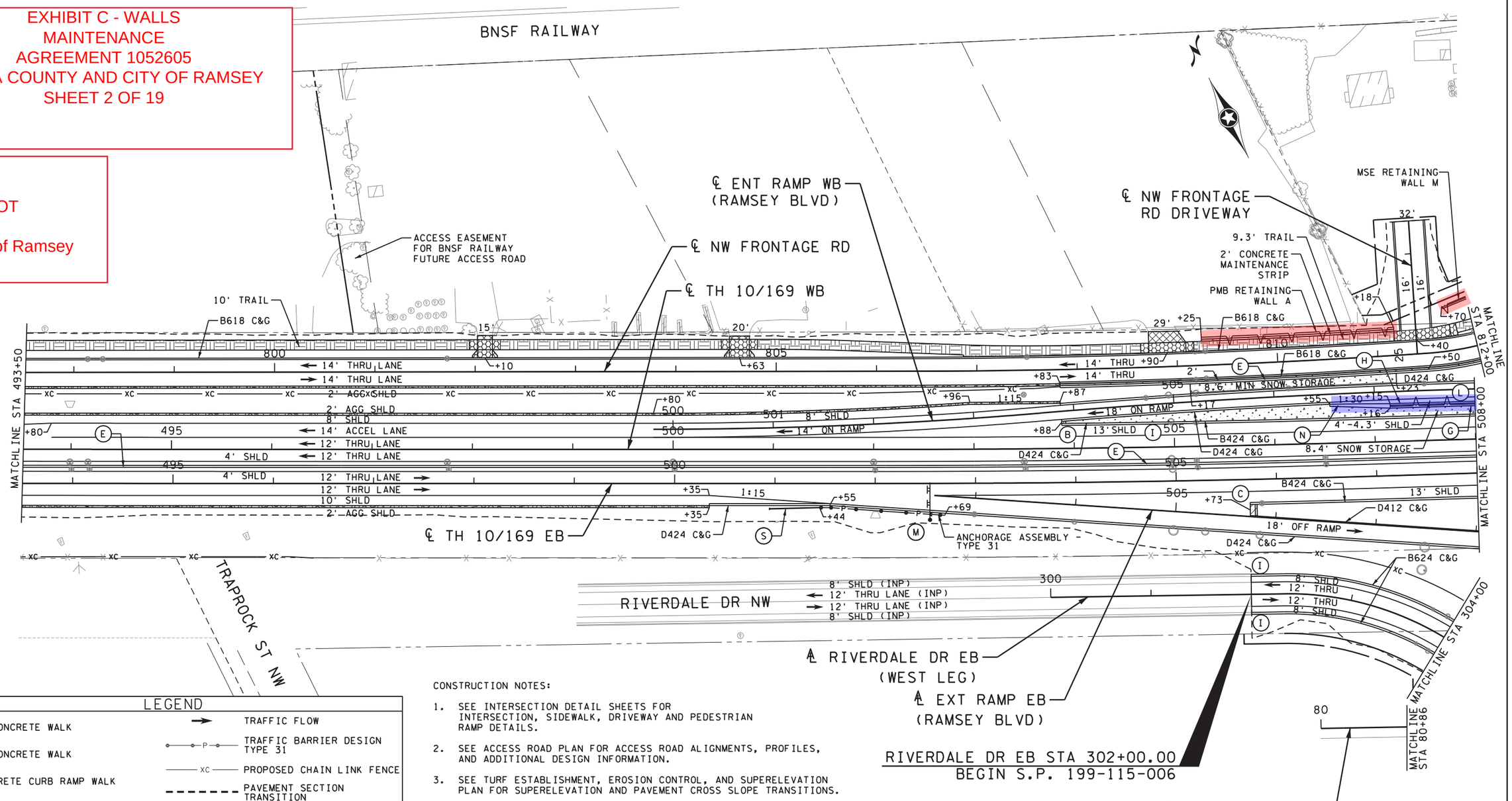
EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 2 OF 19

LEGEND

- MnDOT
- City of Ramsey



LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
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- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(B) CONCRETE ENTRANCE NOSE STANDARD PLATE 7107. (PAID FOR AS 6" CONCRETE WALK)

(C) CONCRETE EXIT NOSE, SEE MISCELLANEOUS DETAILS. (PAID FOR AS 6" CONCRETE WALK)

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(G) CONCRETE MEDIAN BARRIER SPECIAL (SEE MSE RETAINING WALL PLAN FOR DETAILS.

(H) 36" TYPE P-4, (TL-4) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(I) 10' CURB TYPE TRANSITION.

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(M) OVERHEAD SIGN LOCATION (SEE SIGNING PLANS FOR PANEL AND STRUCTURAL DETAILS).

(N) SEE MSE RETAINING WALL DETAILS FOR BARRIER/WALL TRANSITION.

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

SCALE 0 50 100 FEET

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED BAU
DRAWN TWB
CHECKED BAU

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 233 OF 685

SHEET NOTES:

EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 3 OF 19

RETAINING WALL PLAN FOR DETAILS).

(H) 36" TYPE P-4, (TL-4) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(I) 10' CURB TYPE TRANSITION.

(K) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) & ORNAMENTAL METAL RAILING TYPE SPECIAL PC (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(N) SEE MISCELLANEOUS DETAILS FOR BARRIER/WALL TRANSITION.

(O) IMPACT ATTENUATOR W/8" UNREINFORCED CONCRETE PAD (TL-3). SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

RAMSEY BLVD CONSTRUCTION

LEGEND

MnDOT

Anoka County

City of Ramsey

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.
4. SEE PREVIOUS SHEET FOR LEGEND.

BRIDGE #02591
CIP RETAINING WALL A
CIP RETAINING WALL B
℄ N FRONTAGE RD WB (WEST)
℄ N FRONTAGE RD EB (WEST)
℄ N FRONTAGE RD DRIVEWAY
℄ N FRONTAGE RD EXT RAMP WB (RAMSEY BLVD)
℄ NW FRONTAGE RD EB
MSE RETAINING WALL M
END CONSTRUCTION NW FRONTAGE RD EB STA 816+68.55
BEGIN CONSTRUCTION N FRONTAGE RD EB (WEST) STA 820+48.99
TRAFFIC BARRIER DESIGN TRANS TYPE 31
℄ ENT RAMP WB (RAMSEY BLVD)
MSE RETAINING WALL A
℄ RAMSEY BLVD NB (CSAH 56 NB)
ANCHORAGE ASSEMBLY - TYPE 31
MSE RETAINING WALL C
16' OFF RAMP
MATCHLINE STA 812+00
MATCHLINE STA 508+00
MATCHLINE STA 521+00
BRIDGE #02061
℄ TH 10/169 WB
℄ RAMSEY BLVD SB (CSAH 56 SB)
22' ON RAMP
18' ON RAMP
18' OFF RAMP
℄ TH 10/169 EB
℄ EXT RAMP EB (RAMSEY BLVD)
MSE RETAINING WALL B
℄ ENT RAMP EB (RAMSEY BLVD)
END CONSTRUCTION RIVERDALE DR EB (WEST LEG) STA 309+51.52
℄ RIVERDALE DR WB (WEST LEG)
℄ RAMSEY BLVD SOUTH ROUNDABOUT
℄ RIVERDALE DR WB (EAST LEG)
MATCHLINE STA 304+00
MATCHLINE STA 80+86
℄ RIVERDALE DR EB (WEST LEG)
℄ REGIONAL PARK TRAIL
BEGIN S.P. 002-656-001
RAMSEY BLVD NB (CSAH 56 NB)
STA 100+47.79
BEGIN CONSTRUCTION RIVERDALE DR EB (EAST LEG) STA 320+54.55
℄ RIVERDALE DR EB (EAST LEG)
END S.P. 199-115-006
RIVERDALE DR EB
STA 327+01.08
RIVERDALE DR NW

SCALE 0 50 100 FEET

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DRAWN	TWB
CHECKED	BAU

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 234 OF 685

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(B) CONCRETE ENTRANCE NOSE STANDARD PLATE 7107. (PAID FOR AS 6" CONCRETE WALK)

(D) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(M) OVERHEAD SIGN LOCATION (SEE SIGNING PLANS FOR PANEL AND STRUCTURAL DETAILS).

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 4 OF 19

℄ EXT RAMP WB (RAMSEY BLVD)

℄ N FRONTAGE RD

℄ TH 10/169 WB

℄ TH 10/169 EB

℄ ENT RAMP EB (RAMSEY BLVD)

℄ RIVERDALE DR EB (EAST LEG)

RIVERDALE DR NW

ANCHORAGE ASSEMBLY - TYPE 31

10' TRAIL

B618 C&G

D424 C&G

CIP RETAINING WALL D

16' OFF RAMP

14' ON RAMP

14' ACCEL LANE

2' AGG SHLD

8' SHLD

10' SHLD

4' SHLD

12' THRU

13' SHLD

1:15

1:25

NOISE WALL A

MATCHLINE STA 521+00

MATCHLINE STA 535+50

LEGEND

[ ] MnDOT

[ ] City of Ramsey

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REV.	BY	DATE

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	BAU
DRAWN	TWB
CHECKED	BAU

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 235 OF 685

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

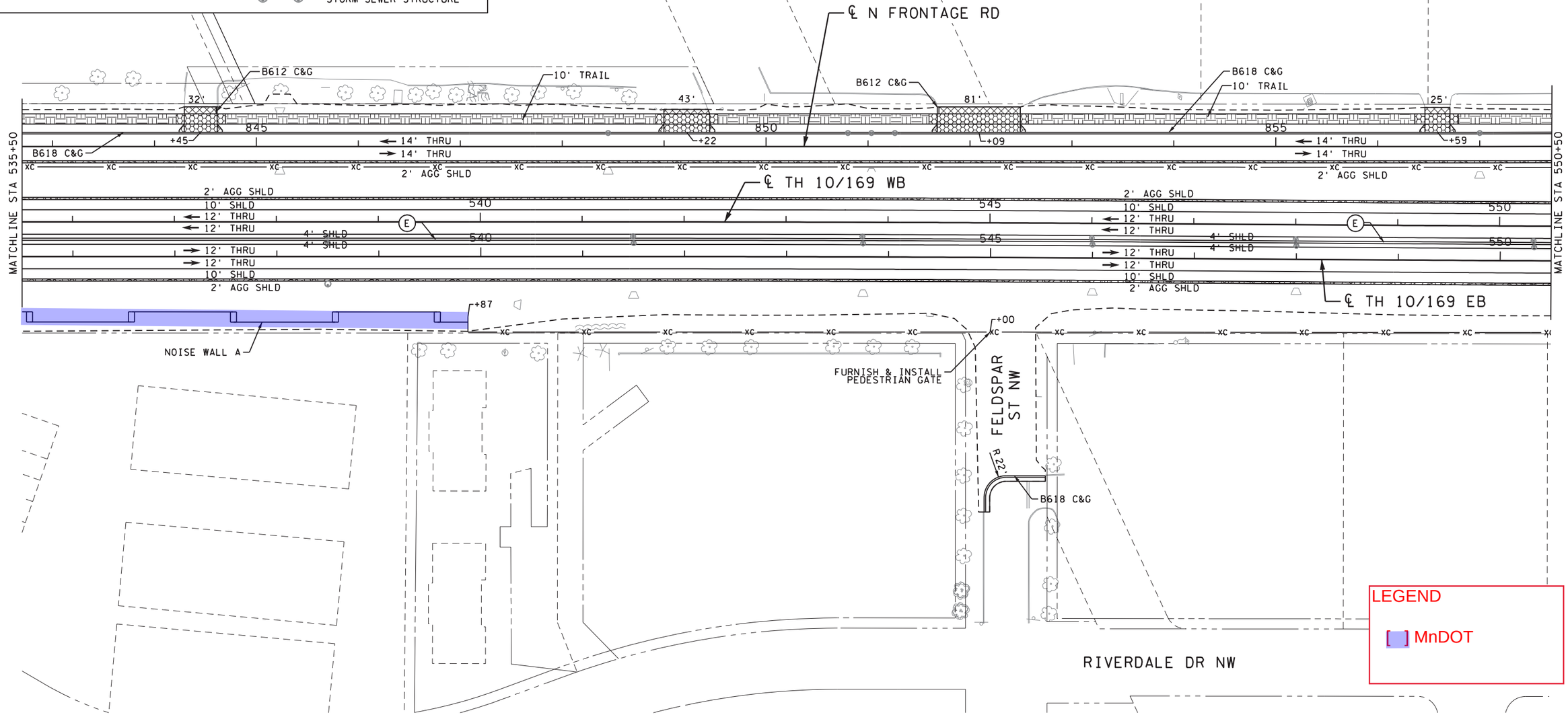
CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

EXHIBIT C - WALLS MAINTENANCE AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 5 OF 19



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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	DRAWN	CHECKED
BAU	TWB	BAU

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 236 OF 685

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

EXHIBIT C - WALLS MAINTENANCE AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 6 OF 19

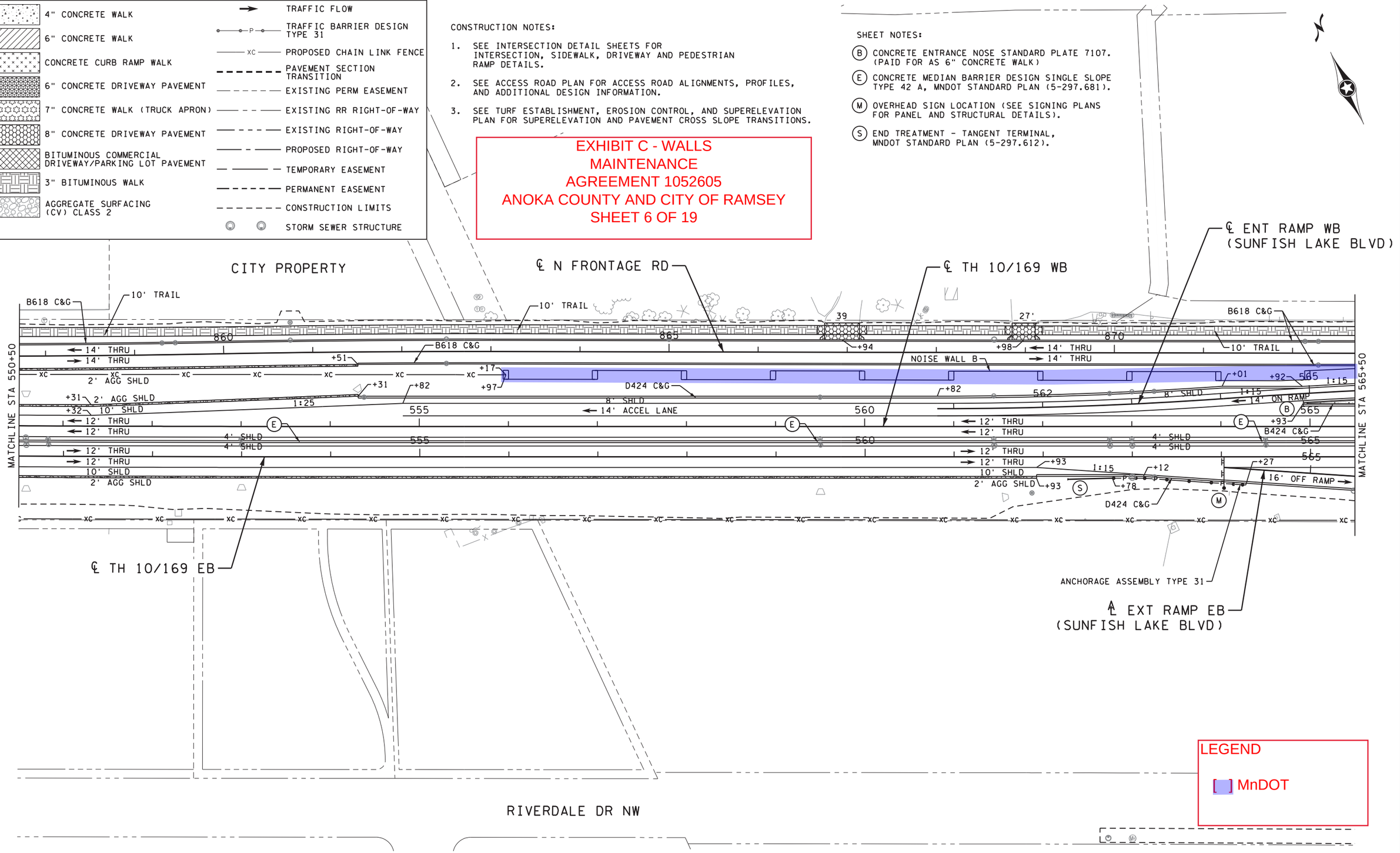
SHEET NOTES:

(B) CONCRETE ENTRANCE NOSE STANDARD PLATE 7107. (PAID FOR AS 6" CONCRETE WALK)

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(M) OVERHEAD SIGN LOCATION (SEE SIGNING PLANS FOR PANEL AND STRUCTURAL DETAILS).

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).



LEGEND

[ ] MnDOT

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

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BAU	TWB	BAU

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 237 OF 685

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EXHIBIT C - WALLS MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 7 OF 19

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
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- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

LEGEND
- [ ] MnDOT
- [ ] Anoka County
- [ ] City of Ramsey

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(A) CONCRETE MEDIAN NOSE STANDARD PLATE 7113. (PAID FOR AS 6" CONCRETE WALK)

(C) CONCRETE EXIT NOSE, SEE MISCELLANEOUS DETAILS. (PAID FOR AS 6" CONCRETE WALK)

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(F) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A STEP, MNDOT STANDARD PLAN (5-297.681).

(G) CONCRETE MEDIAN BARRIER SPECIAL (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(H) 36" TYPE P-4, (TL-4) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(I) 10' CURB TYPE TRANSITION.

(K) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) & ORNAMENTAL METAL RAILING DESIGN T-4 PC (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(N) SEE MSE RETAINING WALL DETAILS FOR BARRIER/WALL TRANSITION.

(O) IMPACT ATTENUATOR W/8" UNREINFORCED CONCRETE PAD (TL-3). SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

(P) TRANSITION BETWEEN TYPE 42 A AND TYPE 42 A STEP BARRIERS.

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

SUNFISH LAKE BLVD CONSTRUCTION

BRIDGE #02592
CIP RETAINING WALL F
BITUMINOUS PATCH SPECIAL
℄ SUNFISH LAKE BLVD NB (CSAH 57 NB)
CIP RETAINING WALL E
℄ SUNFISH LAKE BLVD SB (CSAH 57 SB)
℄ NE FRONTAGE RD WB
℄ NE FRONTAGE RD EB
℄ N FRONTAGE RD WB (EAST)
℄ N FRONTAGE RD EB (EAST)
BITUMINOUS PATCH SPECIAL
℄ N FRONTAGE RD
℄ TH 10/169 WB
NOISE WALL B
10' TRAIL
B618 C&G
B612 C&G
BEGIN CONSTRUCTION NE FRONTAGE RD EB STA 900+51.75
℄ EXT RAMP WB (SUNFISH LAKE BLVD)
END CONSTRUCTION N FRONTAGE RD EB (EAST) STA 882+21.37
MSE RETAINING WALL H
MSE RETAINING WALL E
MSE RETAINING WALL F
ANCHORAGE ASSEMBLY TYPE 31
BRIDGE #02062
TRAFFIC BARRIER DESIGN TRANS TYPE 31
℄ EXT RAMP EB (SUNFISH LAKE BLVD)
BARRIER TYPE TRANSITION
℄ ENT RAMP WB (SUNFISH LAKE BLVD)
℄ TH 10/169 EB
℄ ENT RAMP EB (SUNFISH LAKE BLVD)
SUNFISH LAKE BLVD NB (CSAH 57)
STA 205+01.40
BEGIN S.P. 002-657-003
END S.P. 199-113-003
℄ SUNFISH LAKE BLVD NB
℄ SUNFISH LAKE BLVD SB (CSAH 57 SB)
MATCHLINE STA 565+50
MATCHLINE STA 580+20
MATCHLINE STA 202+20

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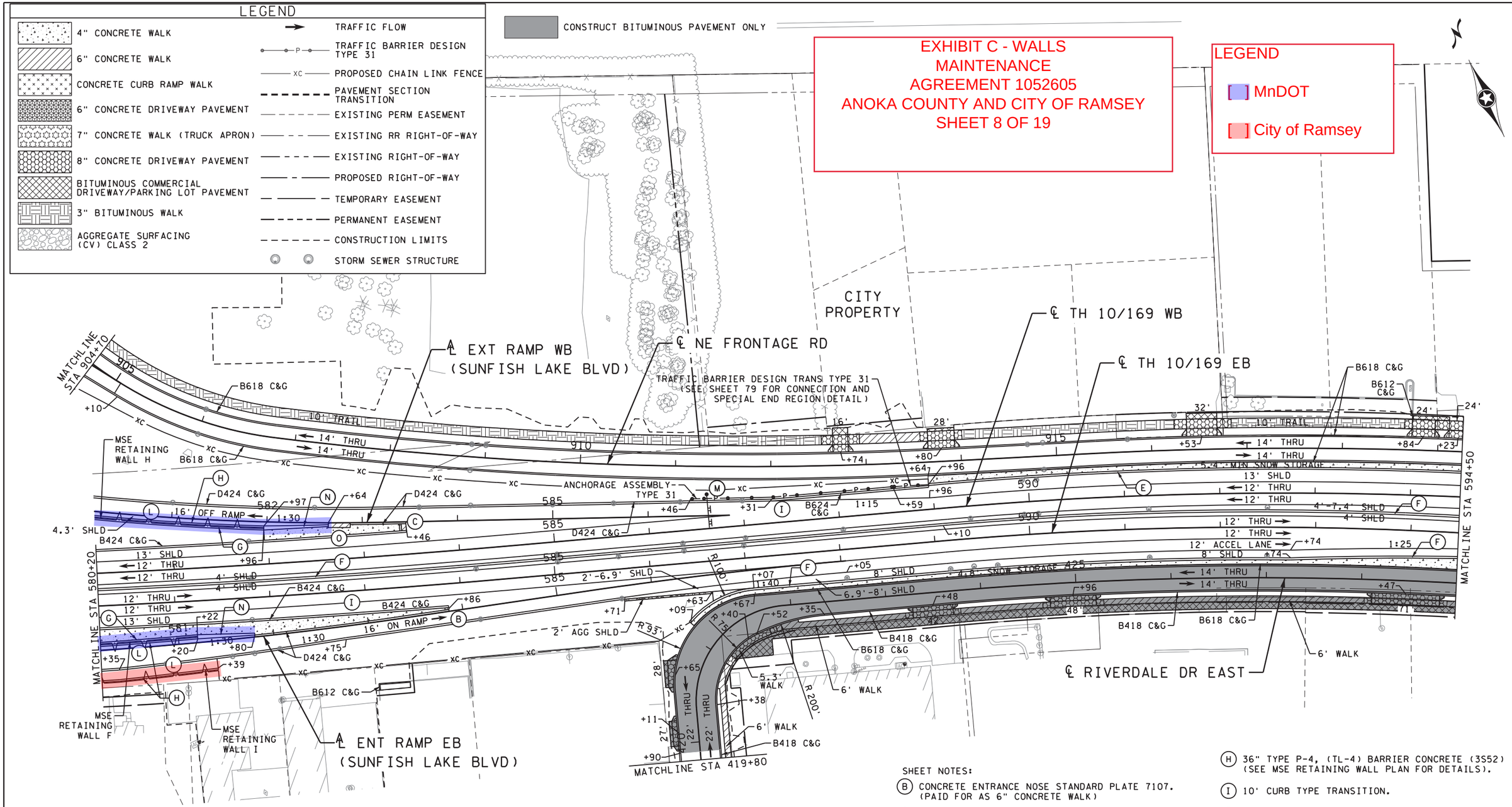
BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED BAU
DRAWN TWB
CHECKED BAU

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 238 OF 685



CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(B) CONCRETE ENTRANCE NOSE STANDARD PLATE 7107. (PAID FOR AS 6" CONCRETE WALK)

(C) CONCRETE EXIT NOSE, SEE MISCELLANEOUS DETAILS. (PAID FOR AS 6" CONCRETE WALK)

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(F) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A STEP, MNDOT STANDARD PLAN (5-297.681).

(G) CONCRETE MEDIAN BARRIER SPECIAL (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(H) 36" TYPE P-4, (TL-4) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(I) 10' CURB TYPE TRANSITION.

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(M) OVERHEAD SIGN LOCATION (SEE SIGNING PLANS FOR PANEL AND STRUCTURAL DETAILS).

(N) SEE MSE RETAINING WALL DETAILS FOR BARRIER/WALL TRANSITION.

(O) IMPACT ATTENUATOR W/8" UNREINFORCED CONCRETE PAD (TL-3). SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

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BENJAMIN A. ULRICH
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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 239 OF 685

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CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.
4. SEE PREVIOUS SHEET FOR LEGEND.

EXHIBIT C - WALLS MAINTENANCE AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 9 OF 19

℄ TH 10/169 WB
℄ TH 10/169 EB
℄ ENT RAMP WB (RAMSEY BLVD)
℄ NW FRONTAGE RD WB
℄ NW FRONTAGE RD EB
℄ RIVERDALE DR WB (WEST LEG)
℄ RIVERDALE DR EB (WEST LEG)
℄ REGIONAL PARK TRAIL
℄ EXT RAMP EB (RAMSEY BLVD)
MSE RETAINING WALL A
℄ RAMSEY BLVD NB (CSAH 56 NB)
MSE RETAINING WALL D
℄ RAMSEY BLVD SB (CSAH 56 SB)
CIP RETAINING WALL A
℄ RAMSEY BLVD SOUTH ROUNDABOUT
BRIDGE #02061
BRIDGE #02591
MATCH LINE STA 109+50
BEGIN S.P. 002-656-001
RAMSEY BLVD NB (CSAH 56 NB)
STA 100+47.79
℄ RIVERDALE DR EB (EAST LEG)
MSE RETAINING WALL B
CIP RETAINING WALL B
CIP RETAINING WALL C
℄ RAMSEY BLVD NORTH ROUNDABOUT
℄ RIVERDALE DR WB (EAST LEG)
℄ EXT RAMP WB (RAMSEY BLVD)
℄ ENT RAMP EB (RAMSEY BLVD)
℄ N FRONTAGE RD EB (WEST)
MSE RETAINING WALL C
℄ N FRONTAGE RD WB (WEST)
BNSF RAILWAY

SHEET NOTES:

(A) CONCRETE MEDIAN NOSE STANDARD PLATE 7113. (PAID FOR AS 6" CONCRETE WALK)
(D) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).
(I) 10' CURB TYPE TRANSITION.
(J) BRIDGE APPROACH PANEL (SEE APPROACH PANEL PLAN SHEETS).
(K) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) & ORNAMENTAL METAL RAILING DESIGN T-4 PC (SEE MSE RETAINING WALL PLAN FOR DETAILS).
(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).
(Q) SEE MISCELLANEOUS DETAILS FOR ROUNDABOUT TRUCK APRON JOINTING PLAN.

NON-RAMSEY BLVD CONSTRUCTION

LEGEND
[ ] MnDOT
[ ] Anoka County
[ ] City of Ramsey

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SCALE FEET

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 241 OF 685

EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 10 OF 19

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
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- CONSTRUCTION LIMITS
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CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(I) 10' CURB TYPE TRANSITION.

(K) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) & ORNAMENTAL METAL RAILING DESIGN T-4 PC (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

CITY PROPERTY

CITY PROPERTY

℄ RAMSEY BLVD SB (CSAH 56 SB)

℄ RAMSEY BLVD NB (CSAH 56 NB)

RAMSEY BLVD NB (CSAH 56 NB) STA 119+06.98 END S.P. 002-656-001

SUNWOOD DR NW

MSE RETAINING WALL D

10' TRAIL

8' TRAIL

B624 C&G

B618 C&G

14' RT TURN

14' THRU

12' THRU

14' LT TURN (540')

12' RT TURN

(330') 14' RT TURN (290')

6' SHLD

10' SHLD (INP)

12' THRU (INP) 120

14' THRU (INP)

20' THRU

MATCHLINE STA 109+50

BEGIN CONSTRUCTION 143RD AVE STA 50+25.93

℄ 143RD AVE

END CONSTRUCTION 143RD AVE STA 52+89.63

LEGEND

[ ] Anoka County

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BOLTON & MENK
12224 NICOLLET AVENUE
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REV.	BY	DATE

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	BAU
DRAWN	TWB
CHECKED	BAU

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 242 OF 685

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- P — TRAFFIC BARRIER DESIGN TYPE 31
- XC — PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

SHEET NOTES:

(A) CONCRETE MEDIAN NOSE STANDARD PLATE 7113. (PAID FOR AS 6" CONCRETE WALK)

(I) 10' CURB TYPE TRANSITION.

(J) BRIDGE APPROACH PANEL (SEE APPROACH PANEL PLAN SHEETS).

(K) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) & ORNAMENTAL METAL RAILING DESIGN T-4 PC (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(Q) SEE MISCELLANEOUS DETAILS FOR ROUNDABOUT TRUCK APRON JOINTING PLAN.

(R) SEE MISCELLANEOUS DETAILS FOR ROUNDABOUT TRUCK APRON CURB TRANSITION DETAIL.

NON SUNFISH LAKE BLVD CONSTRUCTION

℄ EXT RAMP EB (SUNFISH LAKE BLVD)

℄ N FRONTAGE RD

℄ TH 10/169 EB

℄ SUNFISH LAKE BLVD SOUTH ROUNDABOUT

℄ ENT RAMP WB (SUNFISH LAKE BLVD)

℄ TH 10/169 WB

℄ N FRONTAGE RD EB (EAST)

℄ SUNFISH LAKE BLVD SB

BARRIER TYPE TRANSITION

MSE RETAINING WALL G

MSE RETAINING WALL E

CIP RETAINING WALL E

BITUMINOUS PATCH SPECIAL

BITMINOUS PATCH SPECIAL

BNSF RAILWAY

BRIDGE #02592

℄ N FRONTAGE RD WB (EAST)

MATCHLINE STA 202+20

MATCHLINE STA 215+50

B618 C&G

S524 C&G

B624 C&G

MSE RETAINING WALL J

MSE RETAINING WALL K

12.1' SIDEPATH

14' SHLD

12' THRU

14'-17' SHLD

10' TRAIL

℄ SUNFISH LAKE BLVD NB

℄ SUNFISH LAKE BLVD NB (CSAH 57 NB)

CIP RETAINING WALL F

MSE RETAINING WALL F

BRIDGE #02062

B412 C&G

R424 C&G

B624 C&G

END S.P. 199-113-003
SUNFISH LAKE BLVD NB
(CSAH 57 NB)
STA 205+01.40
BEGIN S.P. 002-657-003

℄ ENT RAMP EB (SUNFISH LAKE BLVD)

℄ SUNFISH LAKE BLVD NORTH ROUNDABOUT

℄ SUNFISH LAKE BLVD SB (CSAH 57 SB)

MSE RETAINING WALL I

℄ NE FRONTAGE RD EB

MSE RETAINING WALL H

℄ NE FRONTAGE RD WB

℄ EXT RAMP WB (SUNFISH LAKE BLVD)

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

LEGEND

- [ ] MnDOT
- [ ] Anoka County
- [ ] City of Ramsey

EXHIBIT C - WALLS MAINTENANCE AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 11 OF 19

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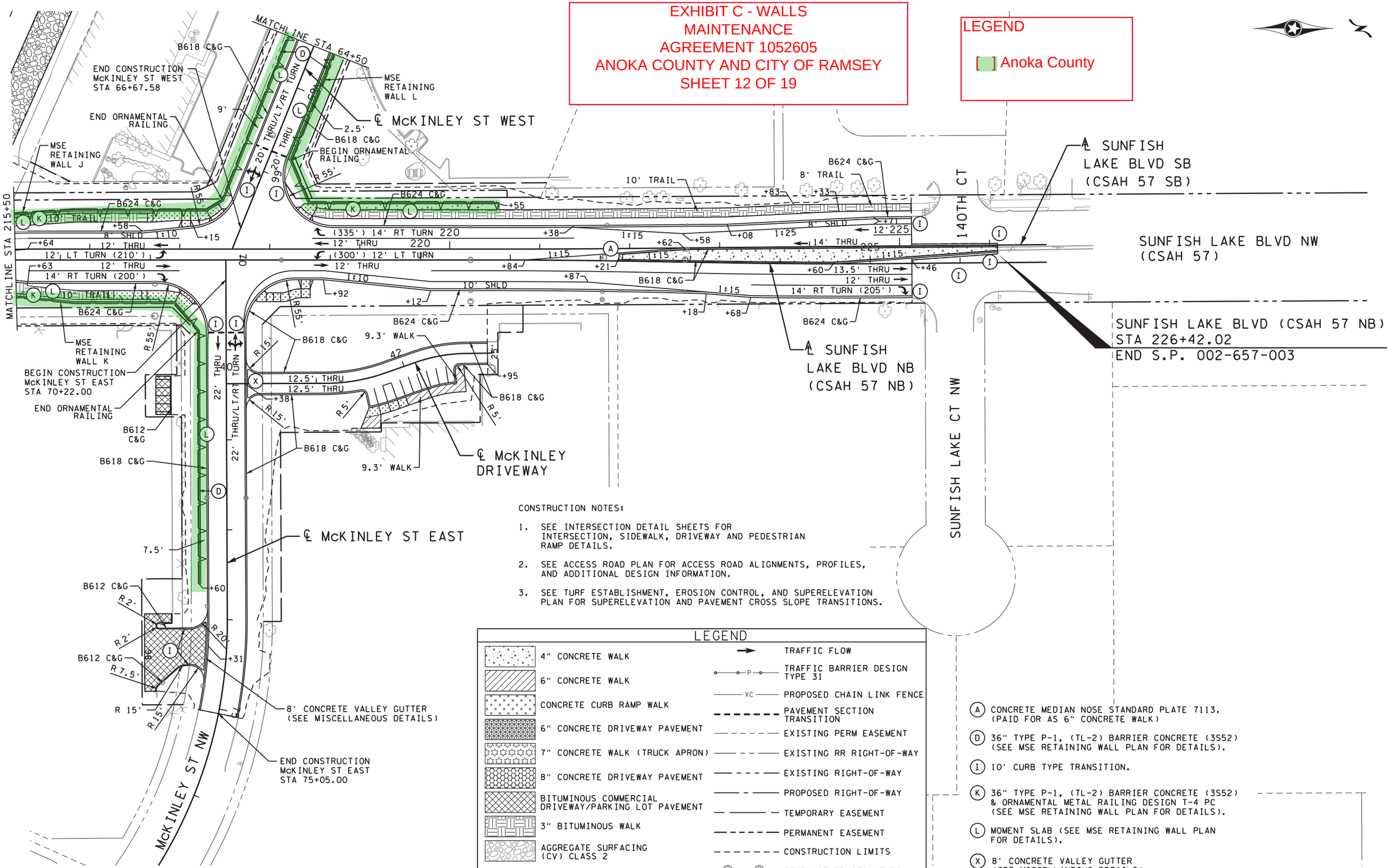
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 243 OF 685

EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 12 OF 19

LEGEND

[ ] Anoka County



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LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
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- EXISTING PERM EASEMENT
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- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

(A) CONCRETE MEDIAN NOSE STANDARD PLATE 7113. (PAID FOR AS 6" CONCRETE WALK)

(D) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(I) 10' CURB TYPE TRANSITION.

(K) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) & ORNAMENTAL METAL RAILING DESIGN T-4 PC (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(X) 8' CONCRETE VALLEY GUTTER (SEE MISCELLANEOUS DETAILS)

SCALE 0 50 100 FEET

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 244 OF 685

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LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
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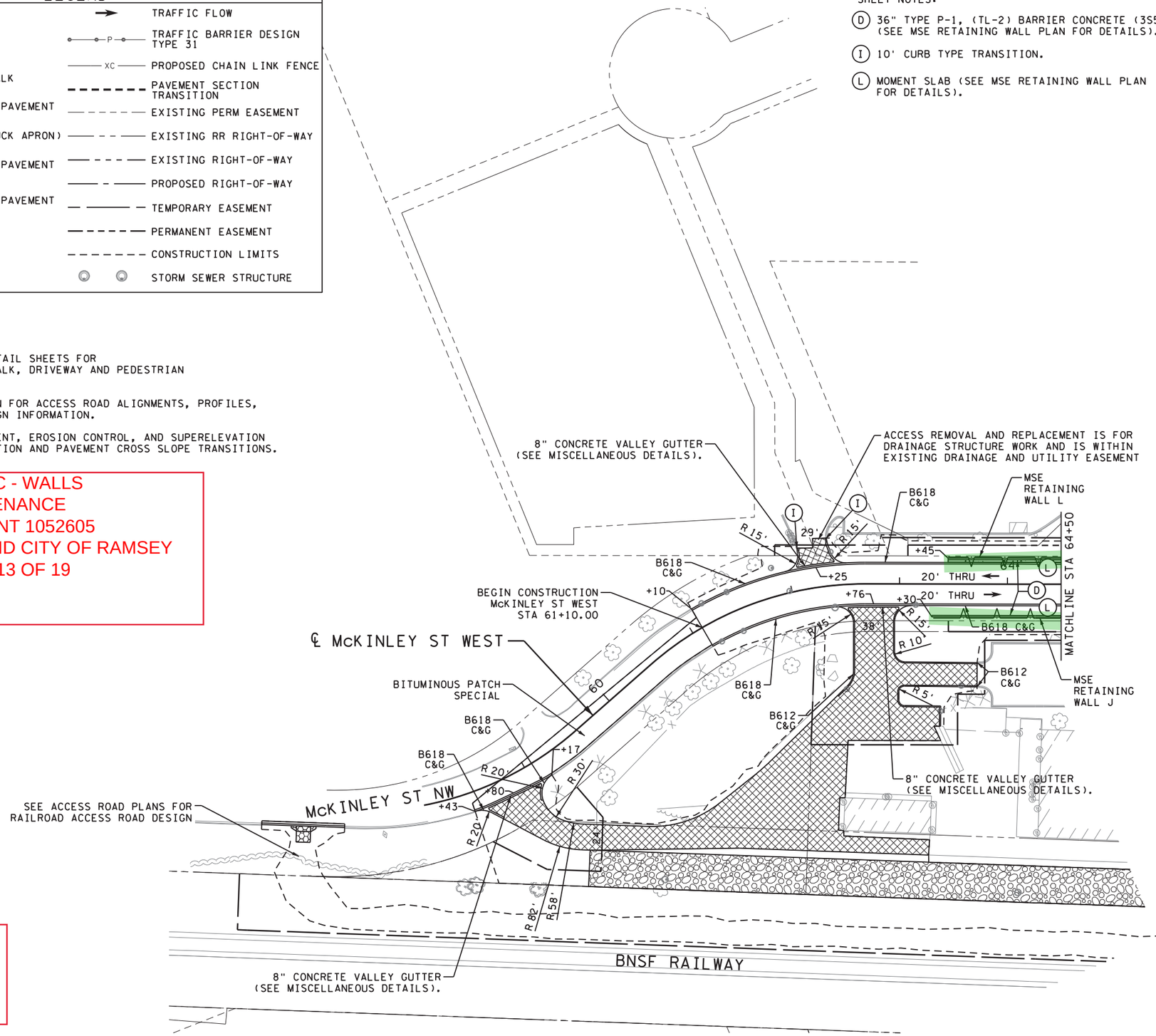
EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 13 OF 19

SHEET NOTES:

(D) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(I) 10' CURB TYPE TRANSITION.

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).



LEGEND

[ ] Anoka County

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
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(I) 10' CURB TYPE TRANSITION.

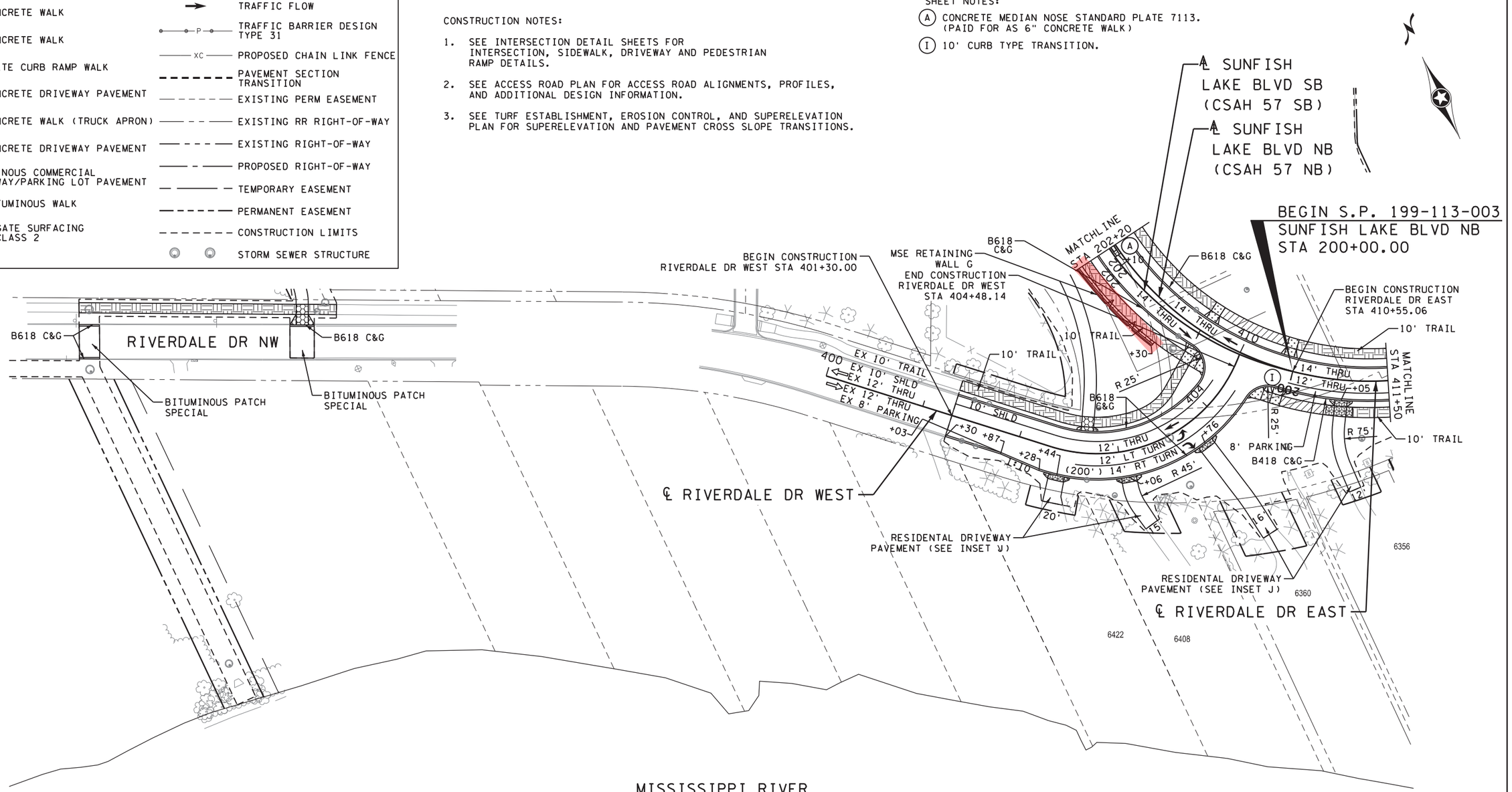

EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 14 OF 19

LEGEND

[ ] City of Ramsey

SCALE 0 50 100 FEET

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 246 OF 685

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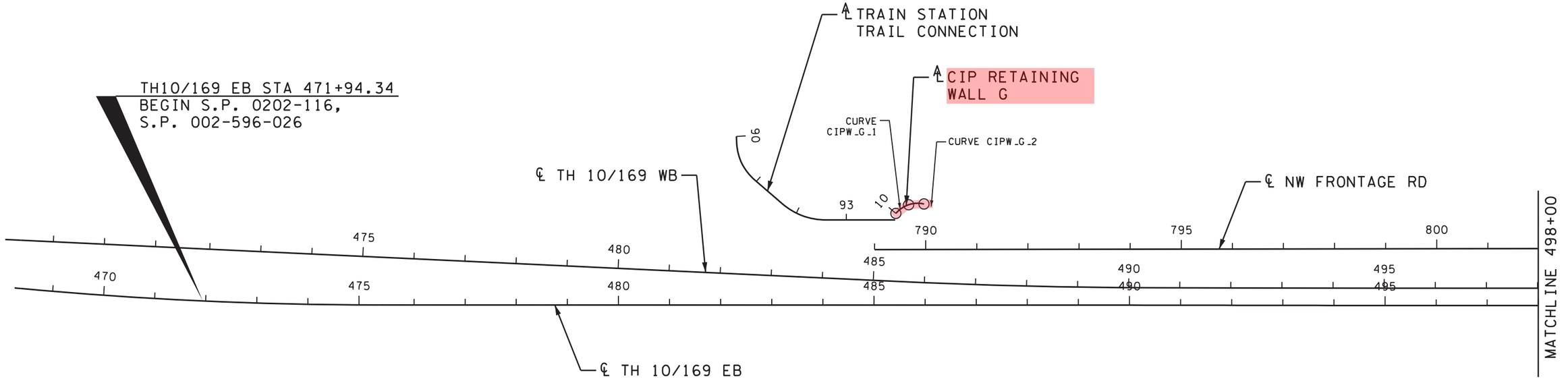
EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 15 OF 19

LEGEND

[ ] City of Ramsey



HORIZONTAL CONTROL

THE HORIZONTAL CONTROL FOR THIS PLAN IS NAD83 (1996 ADJUSTED) ANOKA COUNTY COORDINATES. FOR INFORMATION ON HORIZONTAL CONTROL POINTS, CONTACT MNDOT'S OFFICE OF LAND MANAGEMENT OR THE METRO DISTRICT SURVEYS OFFICE.

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TH 10/169 IMPROVEMENTS
WALL ALIGNMENT PLAN & TABULATION

SHEET 453 OF 685

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EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 16 OF 19

LEGEND

[ ] MnDOT

[ ] Anoka County

[ ] City of Ramsey

MATCHLINE 109+57

℄ RAMSEY BLVD SB (CSAH 56 SB)

℄ RAMSEY BLVD NB (CSAH 56 NB)

℄ MSE RETAINING WALL D

℄ CIP RETAINING WALL A

℄ CIP RETAINING WALL C

℄ CIP RETAINING WALL B

℄ RAMSEY BLVD NORTH ROUNDABOUT

℄ NW FRONTAGE RD WB

℄ NW FRONTAGE RD EB

℄ MSE RETAINING WALL M

℄ N FRONTAGE RD WB (WEST)

℄ N FRONTAGE RD EB (WEST)

℄ N FRONTAGE RD DRIVEWAY

℄ ENT RAMP WB (RAMSEY BLVD)

℄ NW FRONTAGE RD

℄ NW FRONTAGE RD DRIVEWAY

℄ PMB RETAINING WALL A

℄ CIP RETAINING WALL D

℄ EXT RAMP WB (RAMSEY BLVD)

℄ N FRONTAGE RD

MATCHLINE STA 498+00

MATCHLINE STA 528+00

℄ MSE RETAINING WALL A

℄ MSE RETAINING WALL B

℄ MSE RETAINING WALL C

℄ TH 10/169 WB

℄ TH 10/169 EB

℄ EXT RAMP EB (RAMSEY BLVD)

℄ ENT RAMP EB (RAMSEY BLVD)

℄ RIVERDALE DR EB (WEST LEG)

℄ HOLIDAY DRIVEWAY

℄ RIVERDALE DR WB (WEST LEG)

℄ RIVERDALE DR WB (EAST LEG)

℄ RIVERDALE DR EB (EAST LEG)

℄ REGIONAL PARK TRAIL

℄ RAMSEY BLVD SOUTH ROUNDABOUT

RIVERDALE DR EB STA 302+00.00
BEGN S.P. 199-115-006

BEGIN S.P. 002-656-001
RAMSEY BLVD NB (CSAH 56 NB)
STA 100+47.79

RIVERDALE DR EB STA 327+01.08
END S.P. 199-115-006

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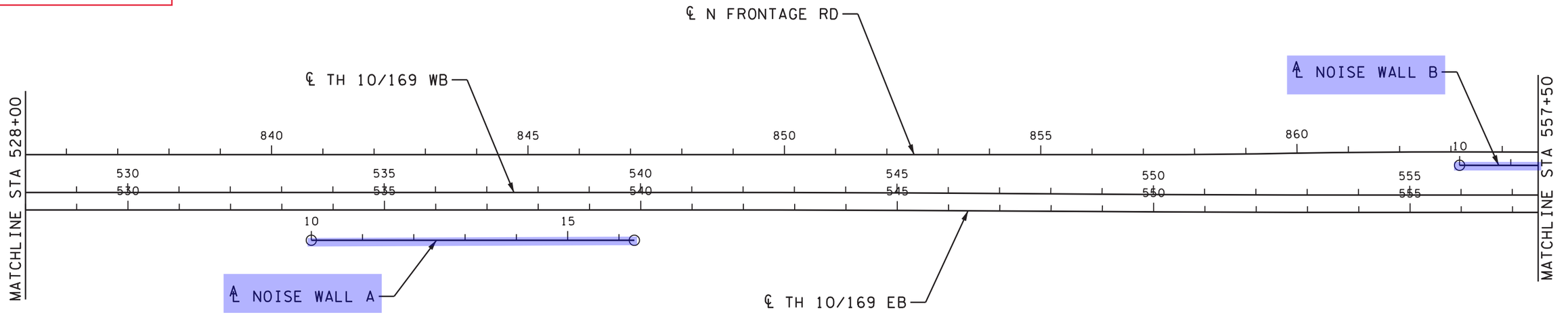
TH 10/169 IMPROVEMENTS
WALL ALIGNMENT PLAN & TABULATION

SHEET 454 OF 685

EXHIBIT C - WALLS
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 17 OF 19

LEGEND

[ ] MnDOT



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TH 10/169 IMPROVEMENTS
WALL ALIGNMENT PLAN & TABULATION

SHEET 455 OF 685

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EXHIBIT C - WALLS
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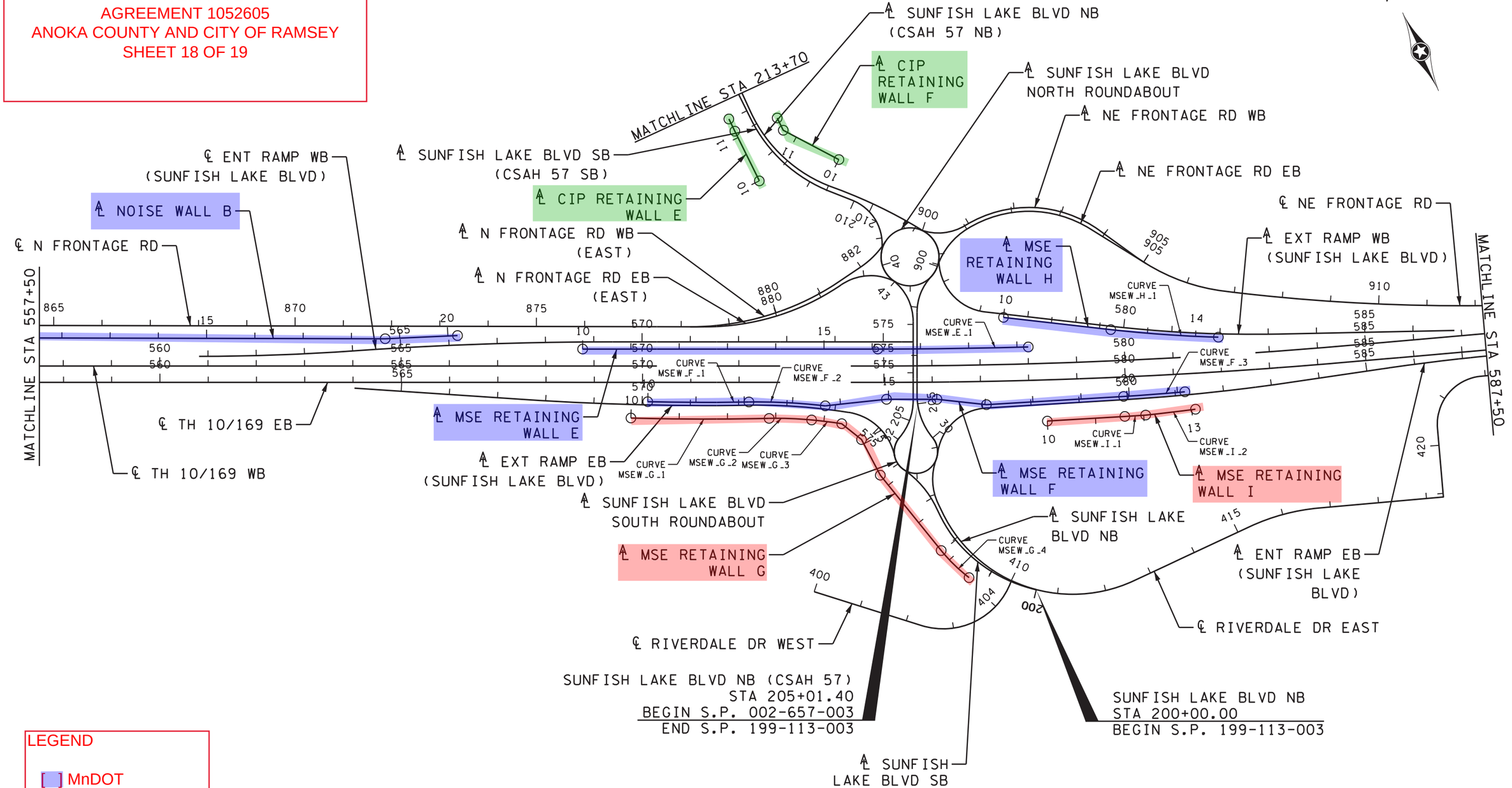
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 18 OF 19



LEGEND

- MnDOT
- Anoka County
- City of Ramsey

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WALL ALIGNMENT PLAN & TABULATION

SHEET 456 OF 685

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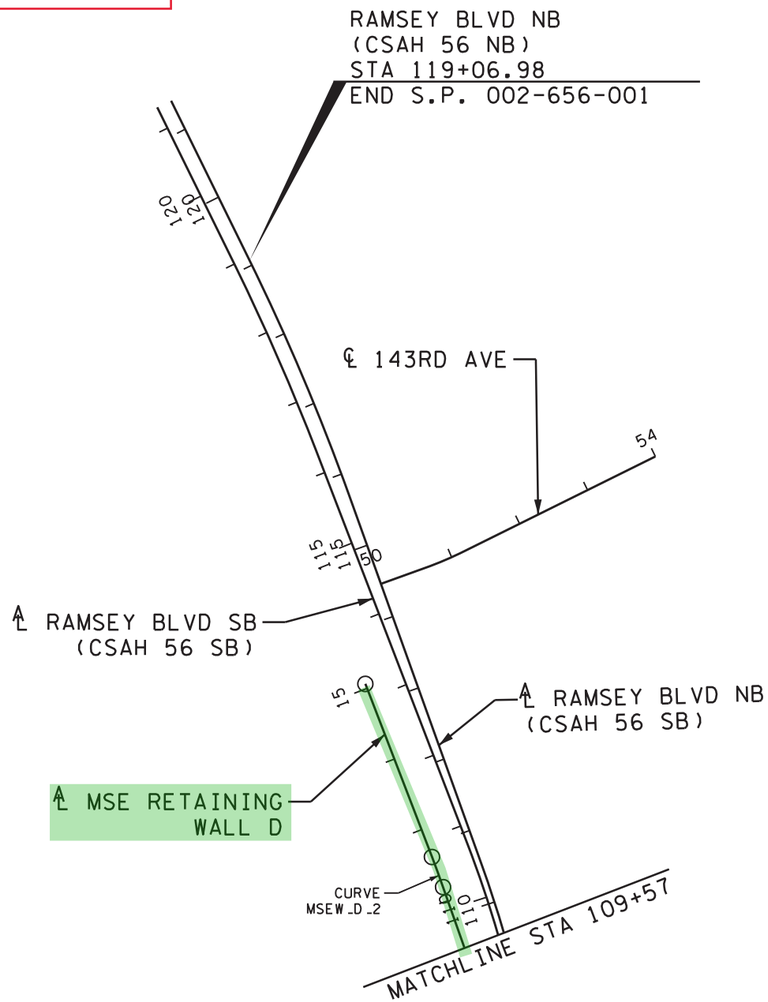
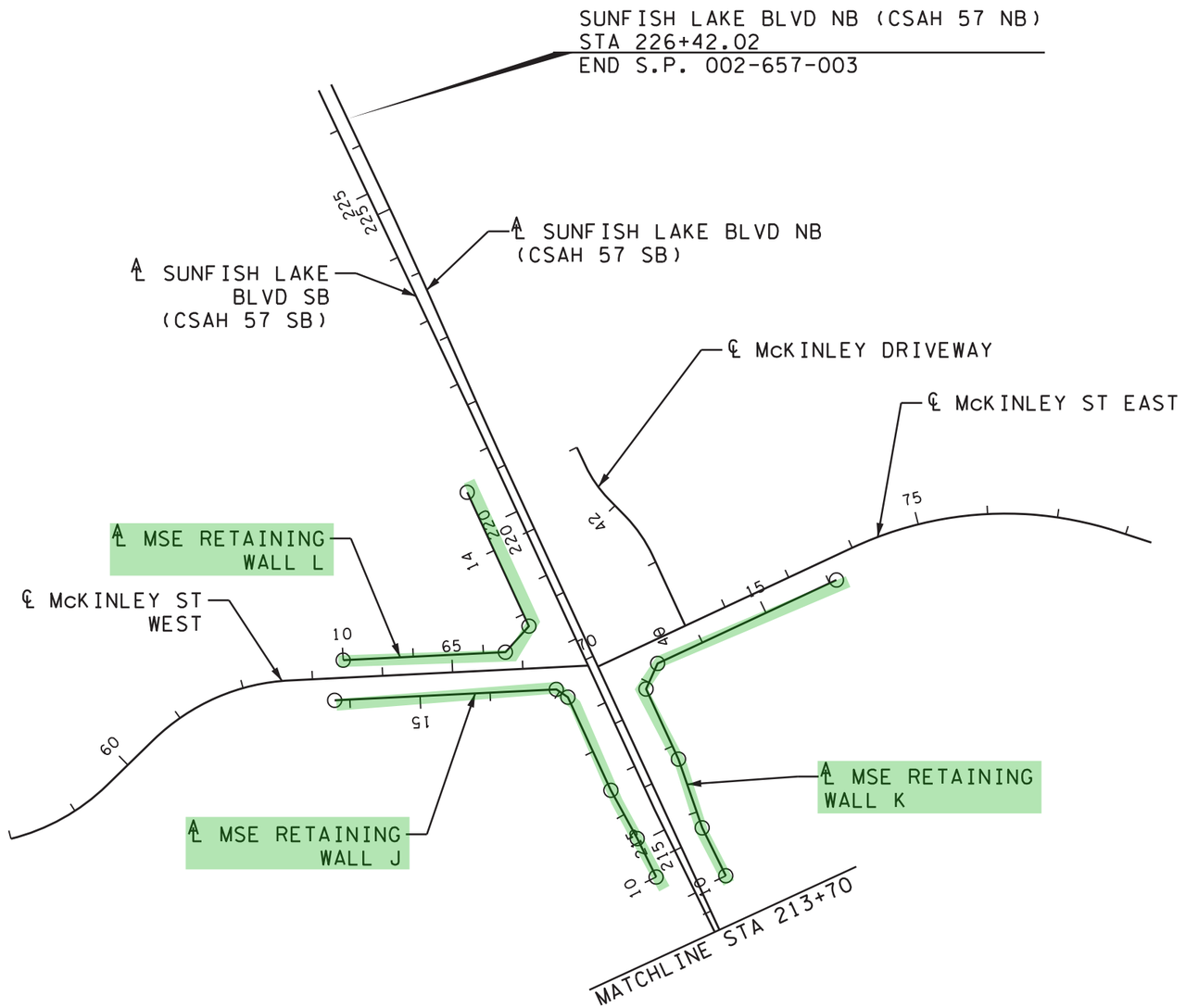
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 19 OF 19

LEGEND

[ ] Anoka County





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BOLTON & MENK
12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burnsville@bolton-menk.com
www.bolton-menk.com

REV.	BY	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	BAU
DRAWN	TWB
CHECKED	BAU

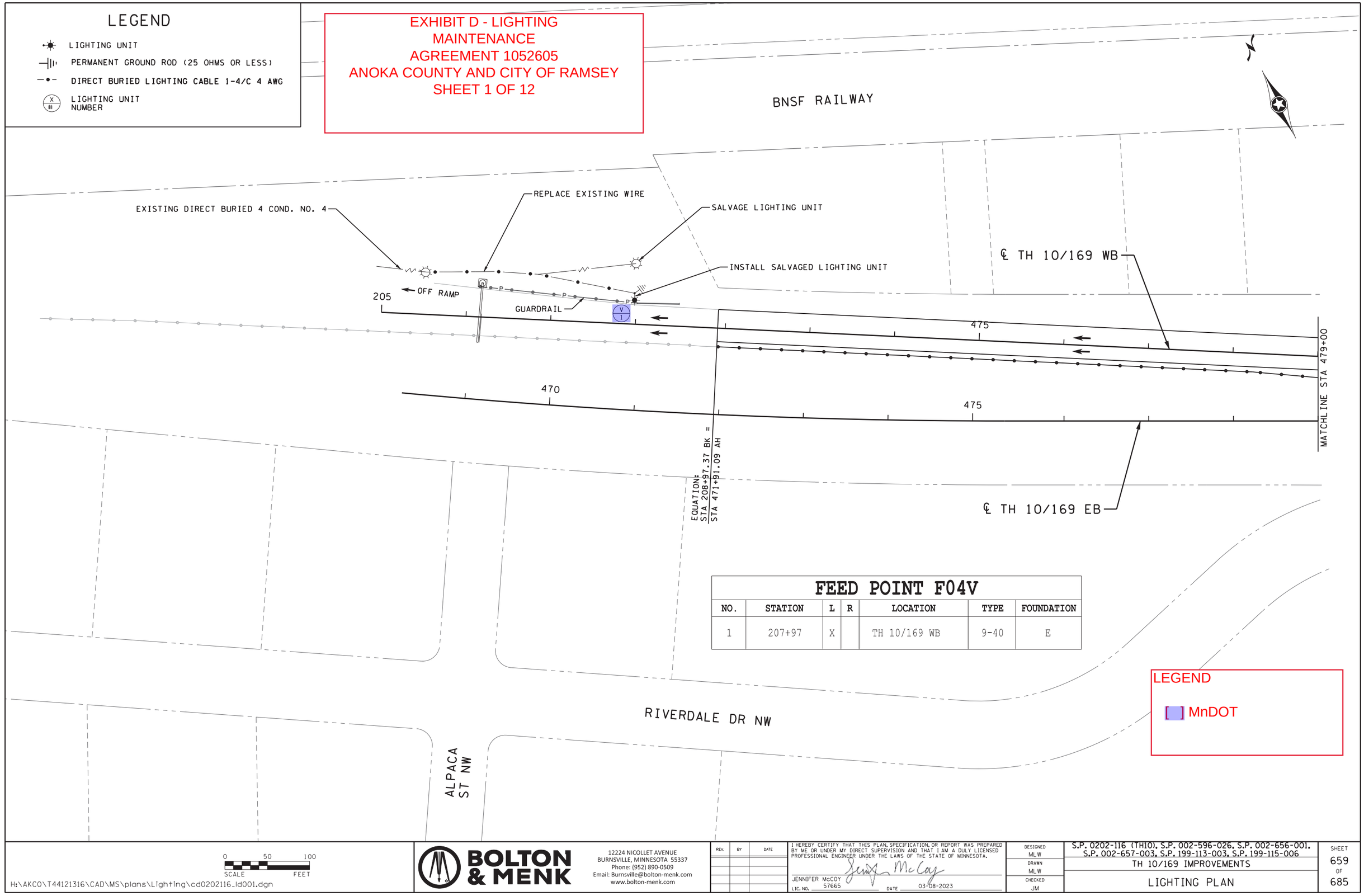
S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
WALL ALIGNMENT PLAN & TABULATION

SHEET 457 OF 685

LEGEND

- LIGHTING UNIT
- PERMANENT GROUND ROD (25 OHMS OR LESS)
- DIRECT BURIED LIGHTING CABLE 1-4/C 4 AWG
- LIGHTING UNIT NUMBER (X / #)

EXHIBIT D - LIGHTING MAINTENANCE AGREEMENT 1052605 ANOKA COUNTY AND CITY OF RAMSEY



FEED POINT F04V

NO.	STATION	L	R	LOCATION	TYPE	FOUNDATION
1	207+97	X		TH 10/169 WB	9-40	E

LEGEND

[ ] MnDOT

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JENNIFER McCOY
LIC. NO. 57665 DATE 03-08-2023

DESIGNED MLW
DRAWN MLW
CHECKED JM

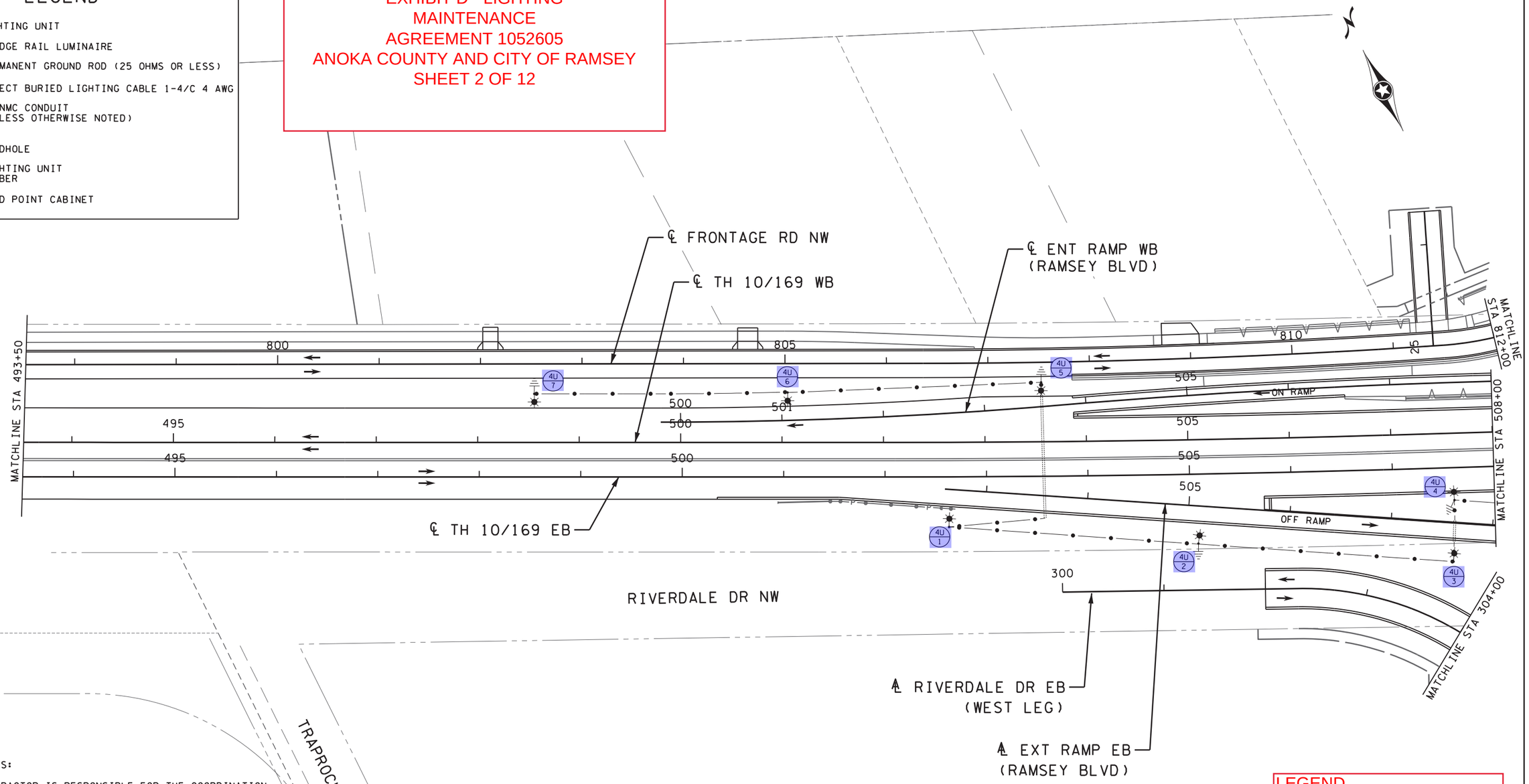
S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 659 OF 685

EXHIBIT D - LIGHTING
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 2 OF 12

LEGEND

- LIGHTING UNIT
- BRIDGE RAIL LUMINAIRE
- PERMANENT GROUND ROD (25 OHMS OR LESS)
- DIRECT BURIED LIGHTING CABLE 1-4/C 4 AWG
- 3" NMC CONDUIT (UNLESS OTHERWISE NOTED)
- HANDHOLE
- LIGHTING UNIT NUMBER (X / #)
- FEED POINT CABINET



GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF CONNECTION OF POWER FOR THE LIGHTING SYSTEMS WITH CONNEXUS ENERGY. CONTACT MARK JONES AT 763-323-2837.
2. THIS PLAN SPECIFIES CONDUIT SIZE, TYPE AND GENERAL LOCATIONS. EXACT LOCATIONS OF CONDUIT, HANDHOLES AND CABINETS WILL BE DETERMINED IN THE FIELD.
3. ALL CONDUIT SHALL BE TRENCHED UNLESS OTHERWISE NOTED.
4. SEE SPECIAL PROVISIONS FOR THE LIGHTING UNITS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO UTILIZE THE GOPHER STATE ONE CALL EXCAVATION NOTICE SYSTEM FOR ALL UTILITY LOCATIONS.

LEGEND

[ ] MnDOT

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JENNIFER McCOY LIC. NO. 57665 DATE 03-08-2023

DESIGNED	MLW
DRAWN	MLW
CHECKED	JM

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TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 661 OF 685

EXHIBIT D - LIGHTING MAINTENANCE AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 3 OF 12

LEGEND

- LIGHTING UNIT
- BRIDGE RAIL LUMINAIRE
- PERMANENT GROUND ROD (25 OHMS OR LESS)
- DIRECT BURIED LIGHTING CABLE 1-4/C 4 AWG
- 3" NMC CONDUIT (UNLESS OTHERWISE NOTED)
- HANDHOLE
- LIGHTING UNIT NUMBER (X #)
- FEED POINT CABINET

℄ NW FRONTAGE RD EB
℄ N FRONTAGE RD WB (WEST)
℄ N FRONTAGE RD EB (WEST)
℄ ENT RAMP WB (RAMSEY BLVD)
℄ EXT RAMP WB (RAMSEY BLVD)
℄ TH 10/169 WB
℄ TH 10/169 EB
℄ RAMSEY BLVD NB
℄ RAMSEY BLVD SB
℄ EXT RAMP EB (RAMSEY BLVD)
℄ ENT RAMP EB (RAMSEY BLVD)
℄ RIVERDALE DR WB (WEST LEG)
℄ RIVERDALE DR WB (EAST LEG)
℄ RIVERDALE DR EB (WEST LEG)
℄ RIVE (EAST LEG)
℄ REGIONAL PARK TRAIL

MATCHLINE STA 812+00
MATCHLINE STA 508+00
MATCHLINE STA 304+00
MATCHLINE STA 521+00

ON RAMP
OFF RAMP

1/2" PVC COATED R.S.C. FOR BEGA LUMINAIRE (SEE BRIDGE PLANS)
1-1/2" PVC COATED R.S.C. FOR LIGHTING SYSTEM A (SEE BRIDGE PLANS)
CONNEXUS ENERGY - PEDESTALS (BY OTHERS)
INPLACE SOP WIRE (BY CONNEXUS ENERGY)
CONNEXUS ENERGY - PAD MOUNTED TRANSFORMER (BY OTHERS)

INSET A

HH1 HH2 HH3 HH4

GENERAL NOTES:

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6. SEE BRIDGE PLANS FOR CONDUIT DETAILS.

Ⓐ LIGHT SYSTEM A (MNDOT)
FEED POINT F04R
SERVICE CABINET - TYPE L1
EQUIPMENT PAD B
240/480V (METERED)
2" NMC 3-1/C 2 AWG TO SOP

Ⓒ LIGHT SYSTEM C (MNDOT)
FEED POINT F04U
SERVICE CABINET - TYPE L1
EQUIPMENT PAD B
240/480V (METERED)
2" NMC 3-1/C 2 AWG TO SOP

Ⓔ LIGHT SYSTEM E (CONNEXUS)
FEED POINT E
SERVICE CABINET - TYPE L1
EQUIPMENT PAD B
120/240V (METERED)
2" NMC 3-1/C 2 AWG TO SOP

CONTRACTOR TO PULL CONDUIT/POWER REQUIREMENTS TO PEDESTAL

LEGEND
[ ] MnDOT
[ ] City of Ramsey Maintenance and Ownership
[ ] Shared MnDOT and City

0 50 100
SCALE FEET

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REV.	BY	DATE

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JENNIFER McCOY
LIC. NO. 57665 DATE 03-08-2023

DESIGNED	MLW
DRAWN	MLW
CHECKED	JM

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 662 OF 685

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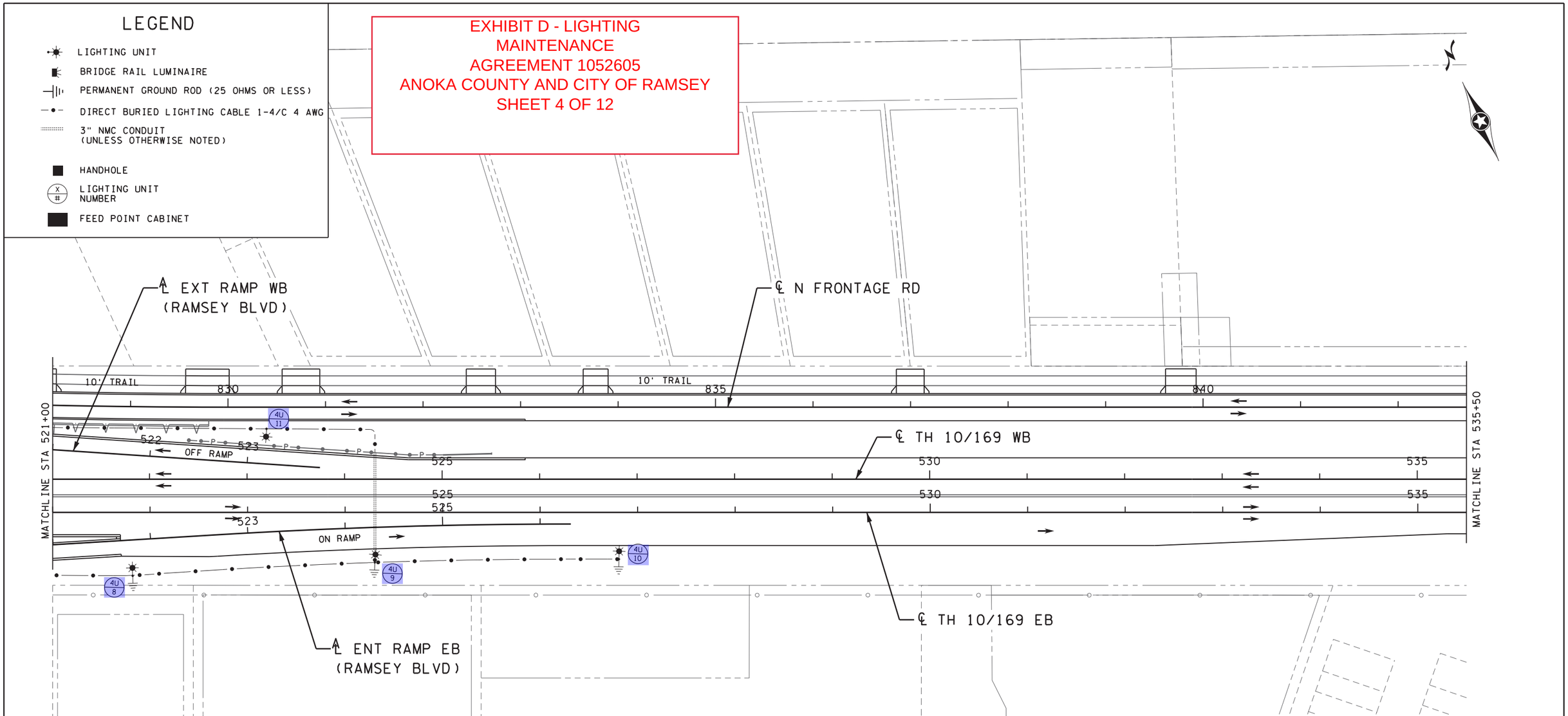
6/1/2023

LEGEND

- LIGHTING UNIT
- BRIDGE RAIL LUMINAIRE
- PERMANENT GROUND ROD (25 OHMS OR LESS)
- DIRECT BURIED LIGHTING CABLE 1-4/C 4 AWG
- 3" NMC CONDUIT (UNLESS OTHERWISE NOTED)
- HANDHOLE
- LIGHTING UNIT NUMBER (X / #)
- FEED POINT CABINET

EXHIBIT D - LIGHTING MAINTENANCE AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 4 OF 12



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LEGEND

[ ] MnDOT

SCALE 0 50 100 FEET

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BOLTON & MENK
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CHECKED	JM

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 663 OF 685

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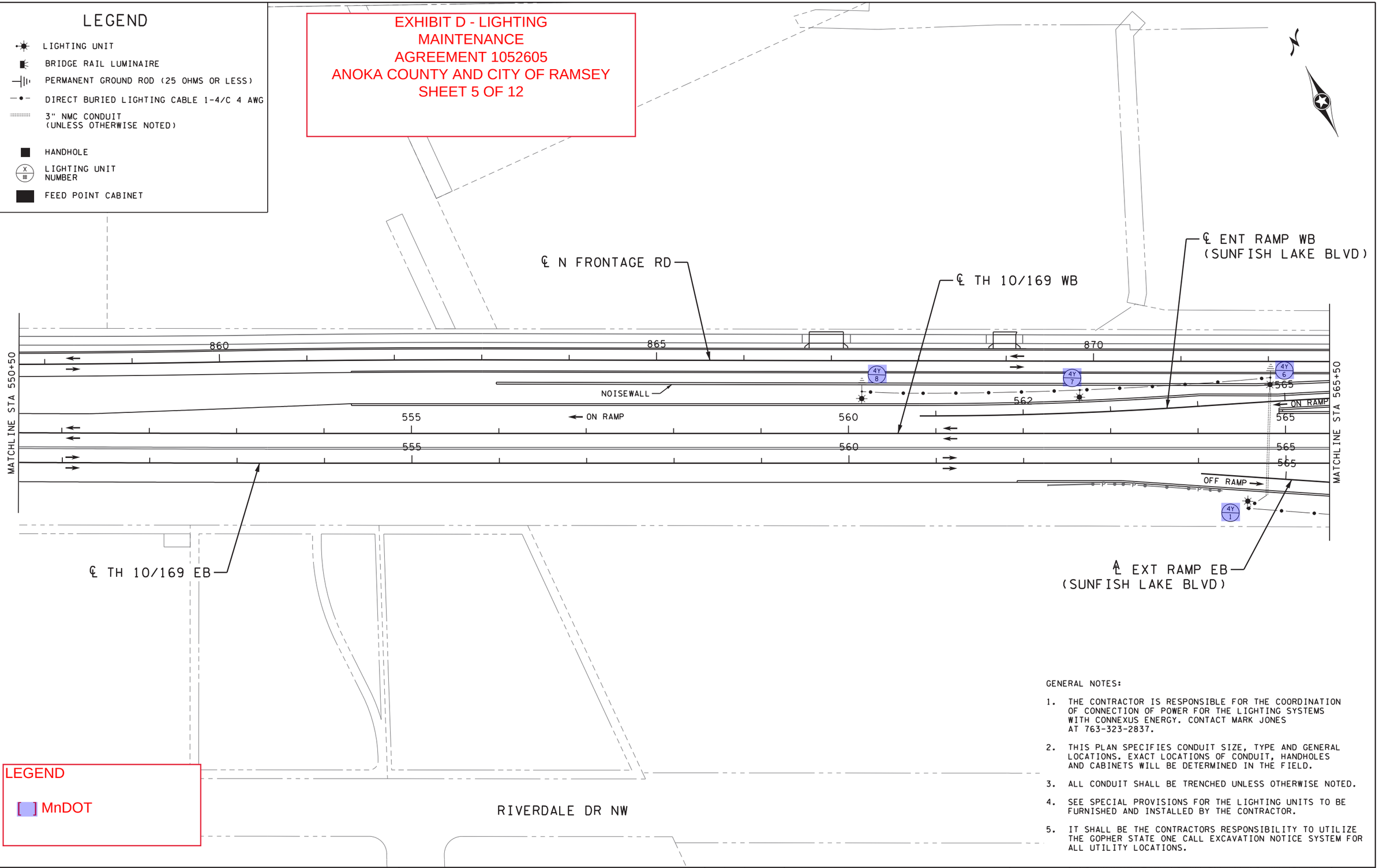
EXHIBIT D - LIGHTING
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 5 OF 12

LEGEND

- LIGHTING UNIT
- BRIDGE RAIL LUMINAIRE
- PERMANENT GROUND ROD (25 OHMS OR LESS)
- DIRECT BURIED LIGHTING CABLE 1-4/C 4 AWG
- 3" NMC CONDUIT (UNLESS OTHERWISE NOTED)
- HANDHOLE
- LIGHTING UNIT NUMBER (X / #)
- FEED POINT CABINET



LEGEND

[ ] MnDOT

GENERAL NOTES:

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SCALE 0 50 100 FEET

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BOLTON & MENK
12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
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DESIGNED	MLW
DRAWN	MLW
CHECKED	JM

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 665 OF 685

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EXHIBIT D - LIGHTING MAINTENANCE AGREEMENT 1052605 ANOKA COUNTY AND CITY OF RAMSEY SHEET 6 OF 12

LEGEND

- LIGHTING UNIT
- BRIDGE RAIL LUMINAIRE
- PERMANENT GROUND ROD (25 OHMS OR LESS)
- DIRECT BURIED LIGHTING CABLE 1-4/C 4 AWG
- 3" NMC CONDUIT (UNLESS OTHERWISE NOTED)
- HANDHOLE
- LIGHTING UNIT NUMBER
- FEED POINT CABINET

LEGEND

- [ ] MnDOT
- [ ] City of Ramsey Maintenance and Ownership
- [ ] Shared MnDOT and City

℄ SUNFISH LAKE BLVD NB

℄ SUNFISH LAKE BLVD SB

℄ NE FRONTAGE RD WB

℄ NE FRONTAGE RD EB

℄ N FRONTAGE RD WB (EAST)

℄ N FRONTAGE RD EB (EAST)

℄ ENT RAMP (SUNFISH LAKE BLVD)

℄ EXT RAMP WB (SUNFISH LAKE BLVD)

℄ N FRONTAGE RD

℄ TH 10/169 WB

℄ TH 10/169 EB

℄ EXT RAMP EB (SUNFISH LAKE BLVD)

MATCHLINE STA 904+70

MATCHLINE STA 565+50

MATCHLINE STA 580+20

MATCHLINE STA 202+20

ON RAMP

OFF RAMP

1/2" PVC COATED R.S.C. FOR BEGA LUMINAIRE (SEE BRIDGE PLANS)

1-1/2" PVC COATED R.S.C. FOR LIGHTING, SYSTEM B (SEE BRIDGE PLANS)

1-1/2" PVC COATED R.S.C. THROUGH CONCRETE BARRIER

1-1/2" R.S.C. THROUGH CONCRETE BARRIER

CONNEXUS ENERGY - PEDESTALS (BY OTHERS)

INPACE SOP WIRE (BY CONNEXUS ENERGY)

CONNEXUS ENERGY - PAD MOUNTED TRANSFORMER (BY OTHERS)

MOUNT LIGHT ON TOP OF CONCRETE BARRIER

INSET B

HH2 HH3 HH4 HH16 HH22 HH24 HH10 HH9 HH7 HH6 HH5 HH11 HH8

GENERAL NOTES:

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6. SEE BRIDGE PLANS FOR CONDUIT DETAILS.

Ⓑ LIGHT SYSTEM B (MNDOT)
FEED POINT FO4W
SERVICE CABINET - TYPE L1
EQUIPMENT PAD B
240/480V (METERED)
2" NMC 3-1/C 2 AWG TO SOP

Ⓓ LIGHT SYSTEM D (MNDOT)
FEED POINT FO4Y
SERVICE CABINET - TYPE L1
EQUIPMENT PAD B
240/480V (METERED)
2" NMC 3-1/C 2 AWG TO SOP

Ⓕ LIGHT SYSTEM F (CONNEXUS)
FEED POINT F
SERVICE CABINET - TYPE L1
EQUIPMENT PAD B
120/240V (METERED)
2" NMC 3-1/C 2 AWG TO SOP

CONTRACTOR TO PULL CONDUIT/POWER REQUIREMENTS TO PEDESTAL

SCALE 0 50 100 FEET

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REV.	BY	DATE

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JENNIFER McCOY
LIC. NO. 57665 DATE 03-08-2023

DESIGNED	MLW
DRAWN	MLW
CHECKED	JM

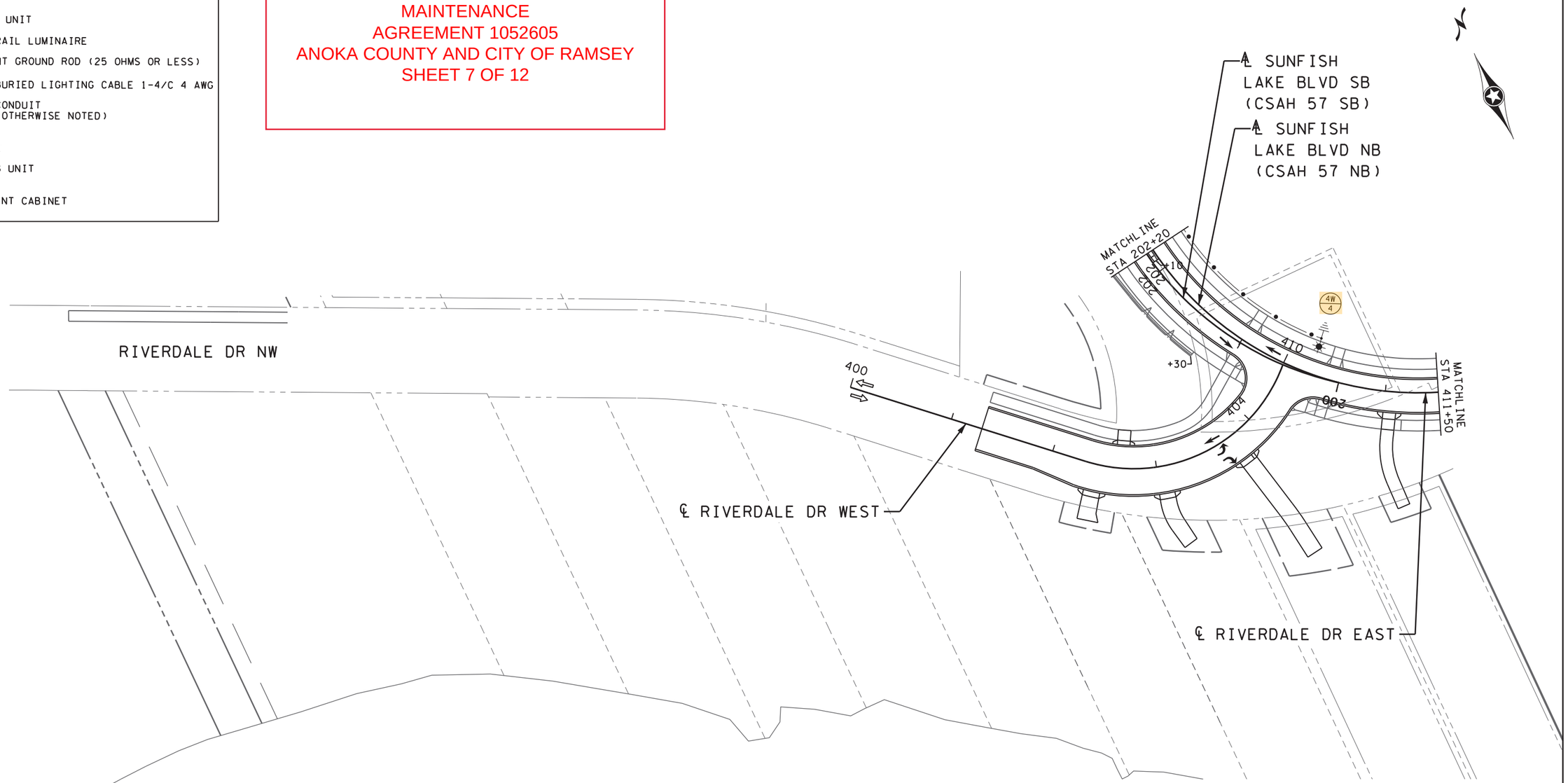
S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 666 OF 685

EXHIBIT D - LIGHTING
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 7 OF 12

LEGEND

- LIGHTING UNIT
- BRIDGE RAIL LUMINAIRE
- PERMANENT GROUND ROD (25 OHMS OR LESS)
- DIRECT BURIED LIGHTING CABLE 1-4/C 4 AWG
- 3" NMC CONDUIT (UNLESS OTHERWISE NOTED)
- HANDHOLE
- LIGHTING UNIT NUMBER (X / #)
- FEED POINT CABINET



LEGEND

[ ] Shared MnDOT and City

GENERAL NOTES:

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SCALE 0 50 100 FEET

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TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 667 OF 685

EXHIBIT D - LIGHTING
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 8 OF 12

LEGEND

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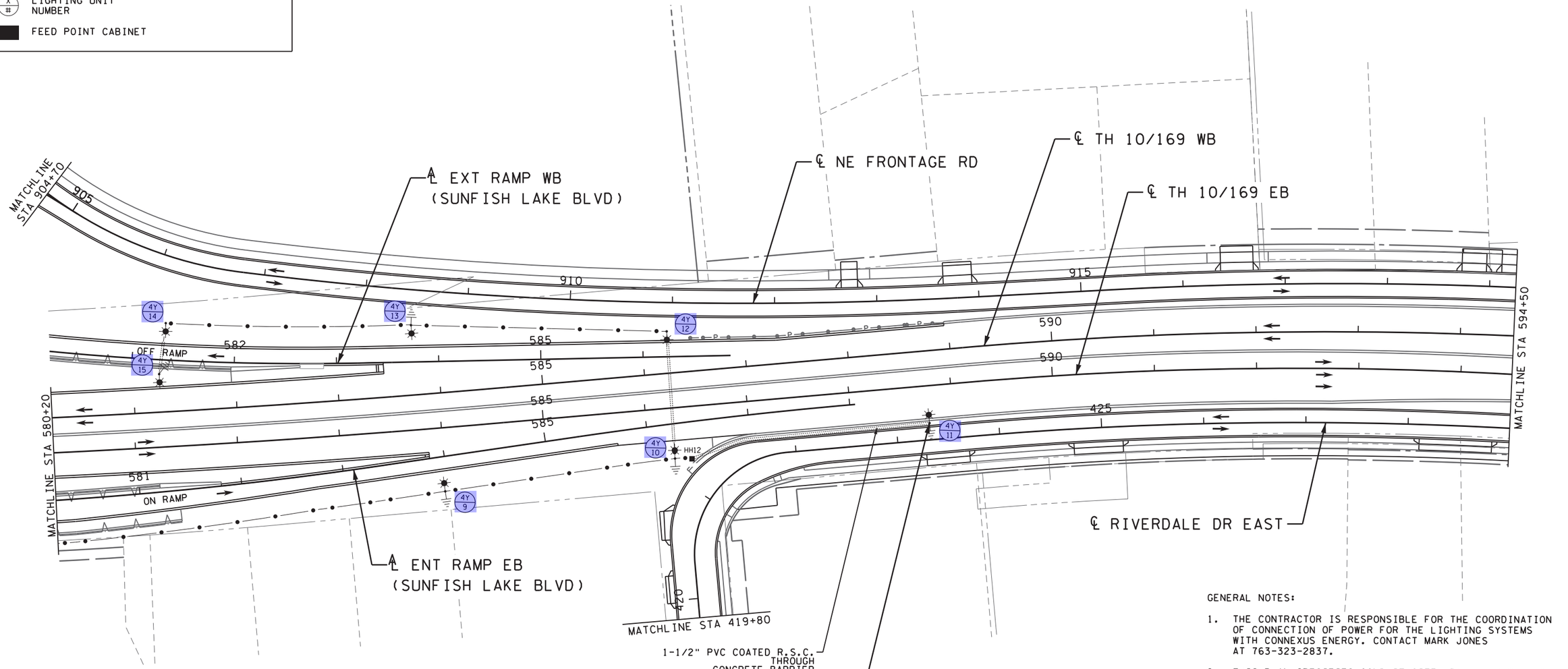

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5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO UTILIZE THE GOPHER STATE ONE CALL EXCAVATION NOTICE SYSTEM FOR ALL UTILITY LOCATIONS.

LEGEND

[ ] MnDOT

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BOLTON & MENK
12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burnsville@bolton-menk.com
www.bolton-menk.com

REV.	BY	DATE

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JENNIFER McCOY
LIC. NO. 57665 DATE 03-08-2023

DESIGNED	MLW
DRAWN	MLW
CHECKED	JM

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 668 OF 685

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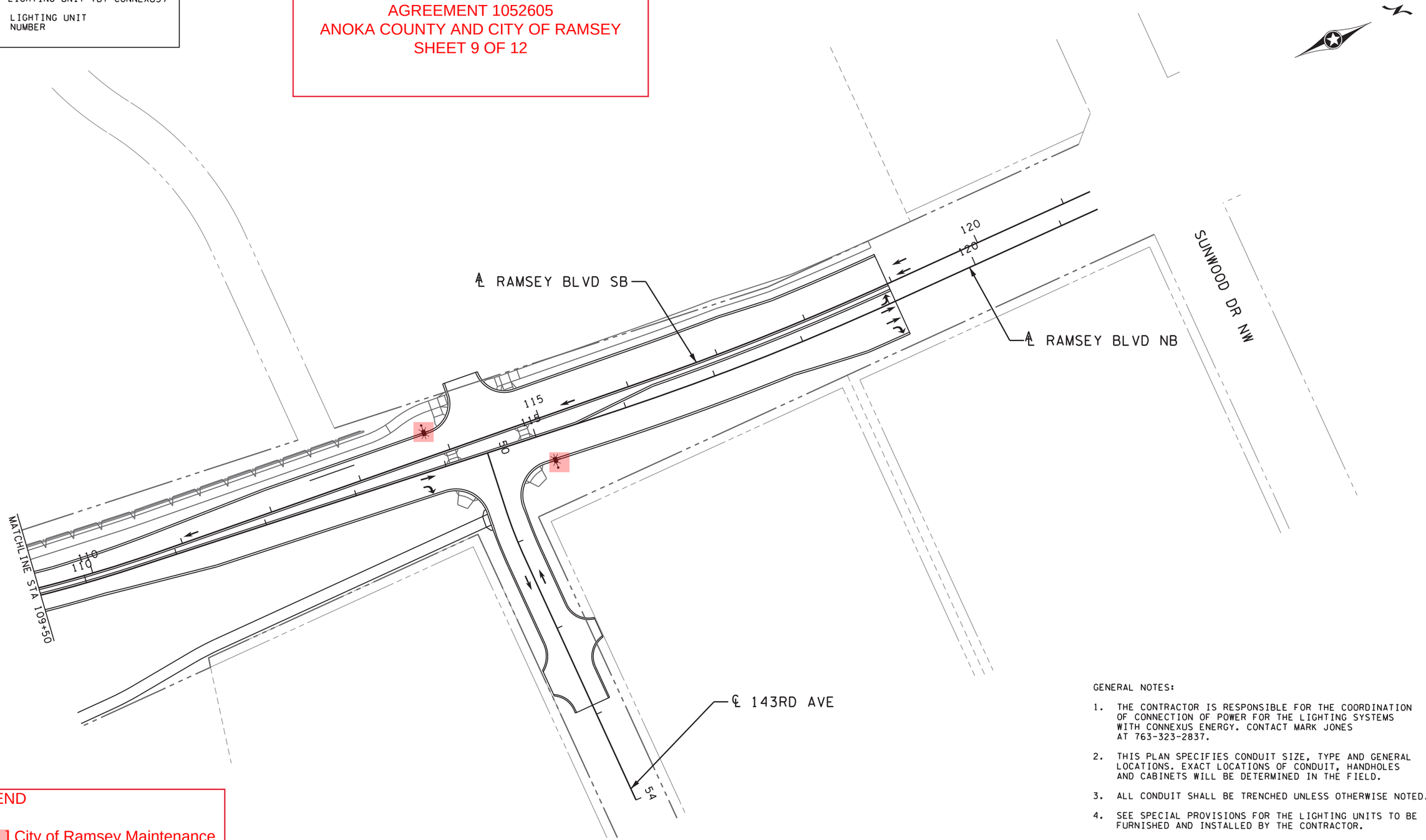
LEGEND

LIGHTING UNIT (BY CONNEXUS)

LIGHTING UNIT NUMBER

EXHIBIT D - LIGHTING
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 9 OF 12



LEGEND

[ ] City of Ramsey Maintenance and Ownership

GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF CONNECTION OF POWER FOR THE LIGHTING SYSTEMS WITH CONNEXUS ENERGY. CONTACT MARK JONES AT 763-323-2837.
2. THIS PLAN SPECIFIES CONDUIT SIZE, TYPE AND GENERAL LOCATIONS. EXACT LOCATIONS OF CONDUIT, HANDHOLES AND CABINETS WILL BE DETERMINED IN THE FIELD.
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SCALE FEET

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TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 669 OF 685

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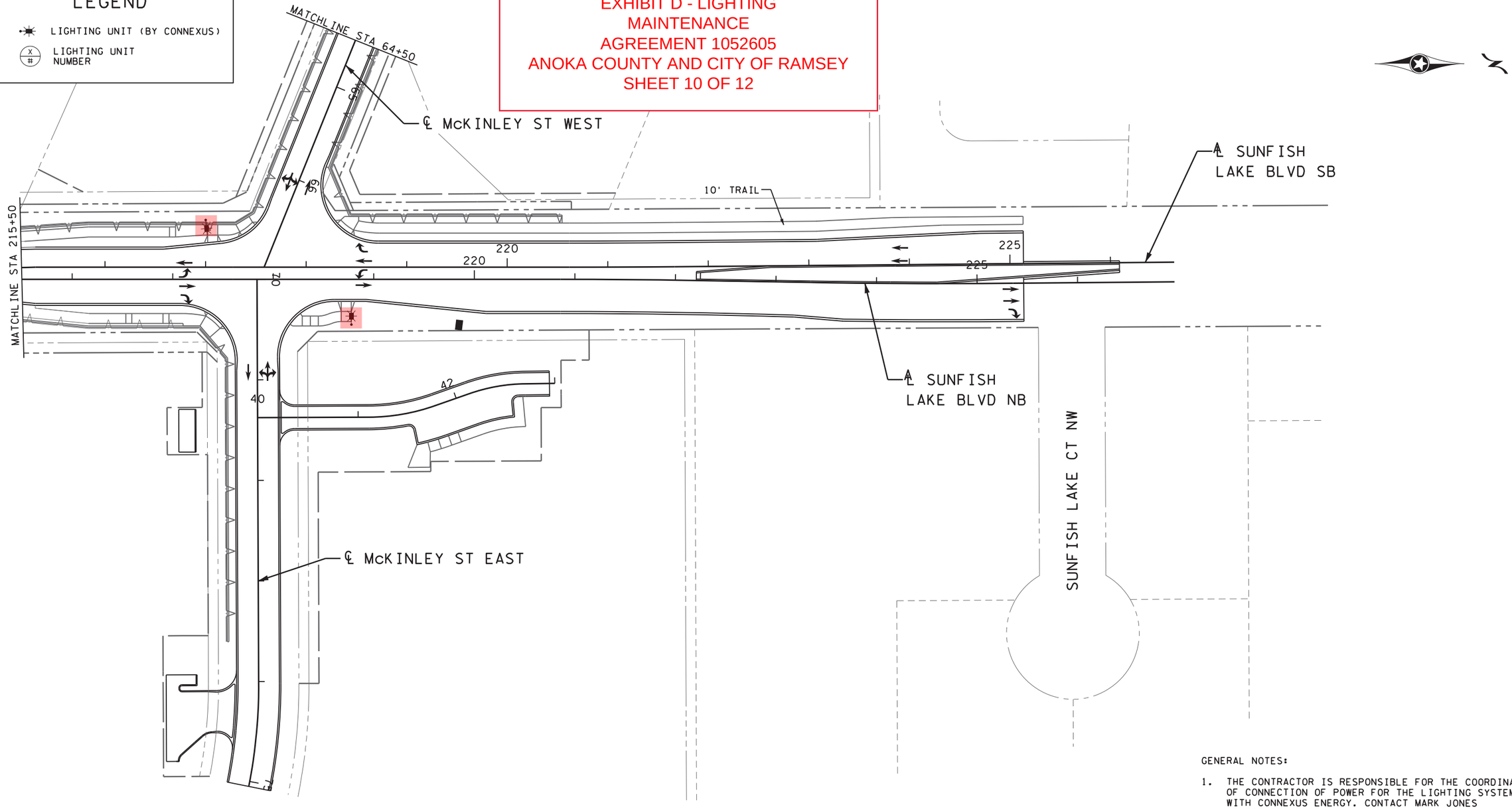
EXHIBIT D - LIGHTING
MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 10 OF 12

LEGEND

- LIGHTING UNIT (BY CONNEXUS)
- X/# LIGHTING UNIT NUMBER



LEGEND

[ ] City of Ramsey Maintenance and Ownership

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SCALE FEET

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JENNIFER McCOY
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TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 670 OF 685

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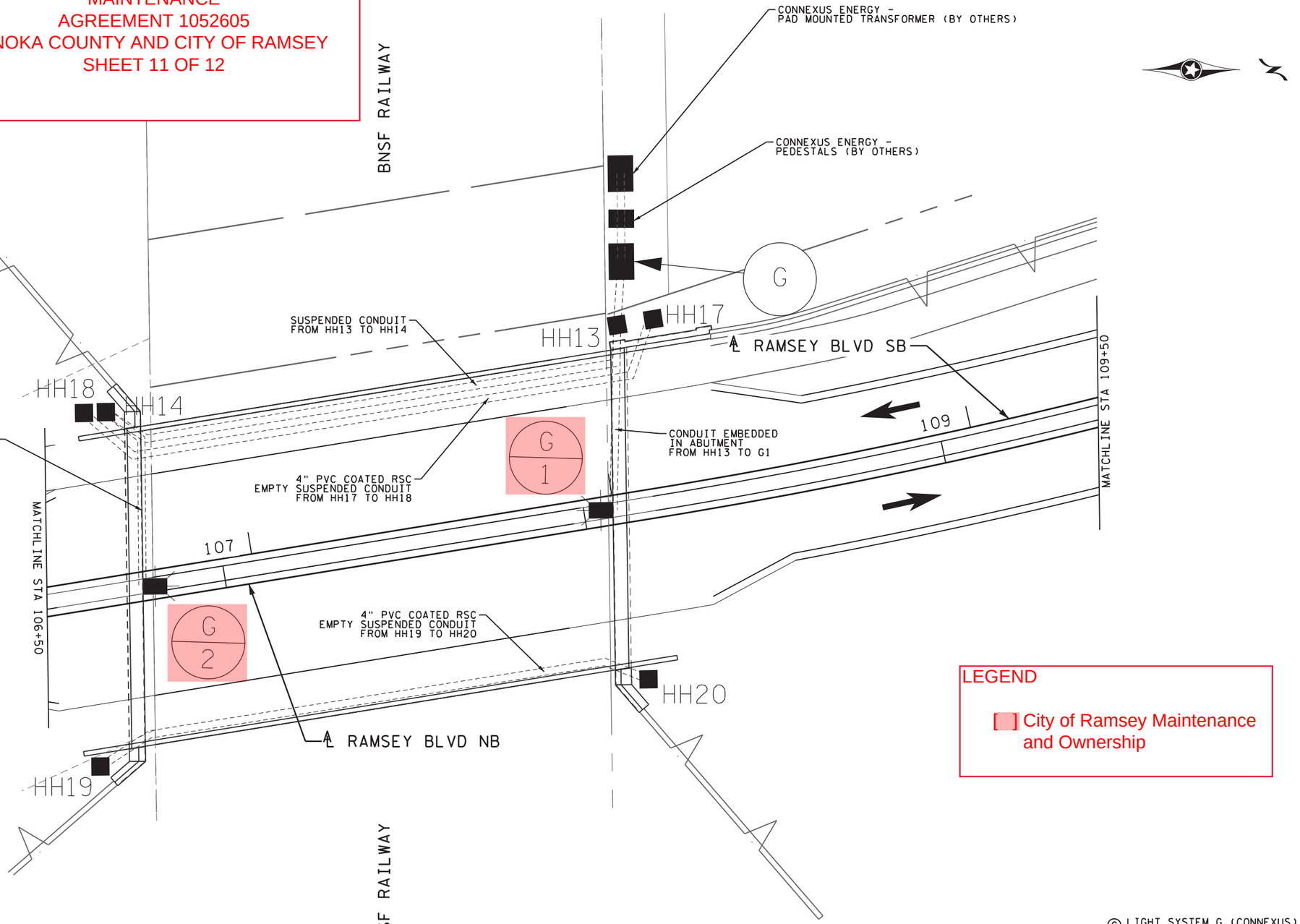
EXHIBIT D - LIGHTING MAINTENANCE AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 11 OF 12

LEGEND

- TYPE L - LED UNDERPASS LUMINAIRE
- DIRECT BURIED LIGHTING CABLE 1-4/C 4 AWG
- 2" PVC COATED RSC CONDUIT
- HANDHOLE
- LIGHTING UNIT NUMBER (X / #)
- FEED POINT CABINET



LEGEND

[ ] City of Ramsey Maintenance and Ownership

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5. SEE BRIDGE PLANS FOR CONDUIT DETAILS.

Ⓖ LIGHT SYSTEM G (CONNEXUS)
FEED POINT G
SERVICE CABINET - TYPE L1
EQUIPMENT PAD B
120/240V (METERED)
2" NMC 3-1/C TO SOP

CONTRACTOR TO PULL CONDUIT/POWER REQUIREMENTS TO PEDESTAL

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JENNIFER McCOY LIC. NO. 57665 DATE 03-08-2023

DESIGNED	DRAWN	CHECKED
MLW	MLW	JM

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TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 671 OF 685

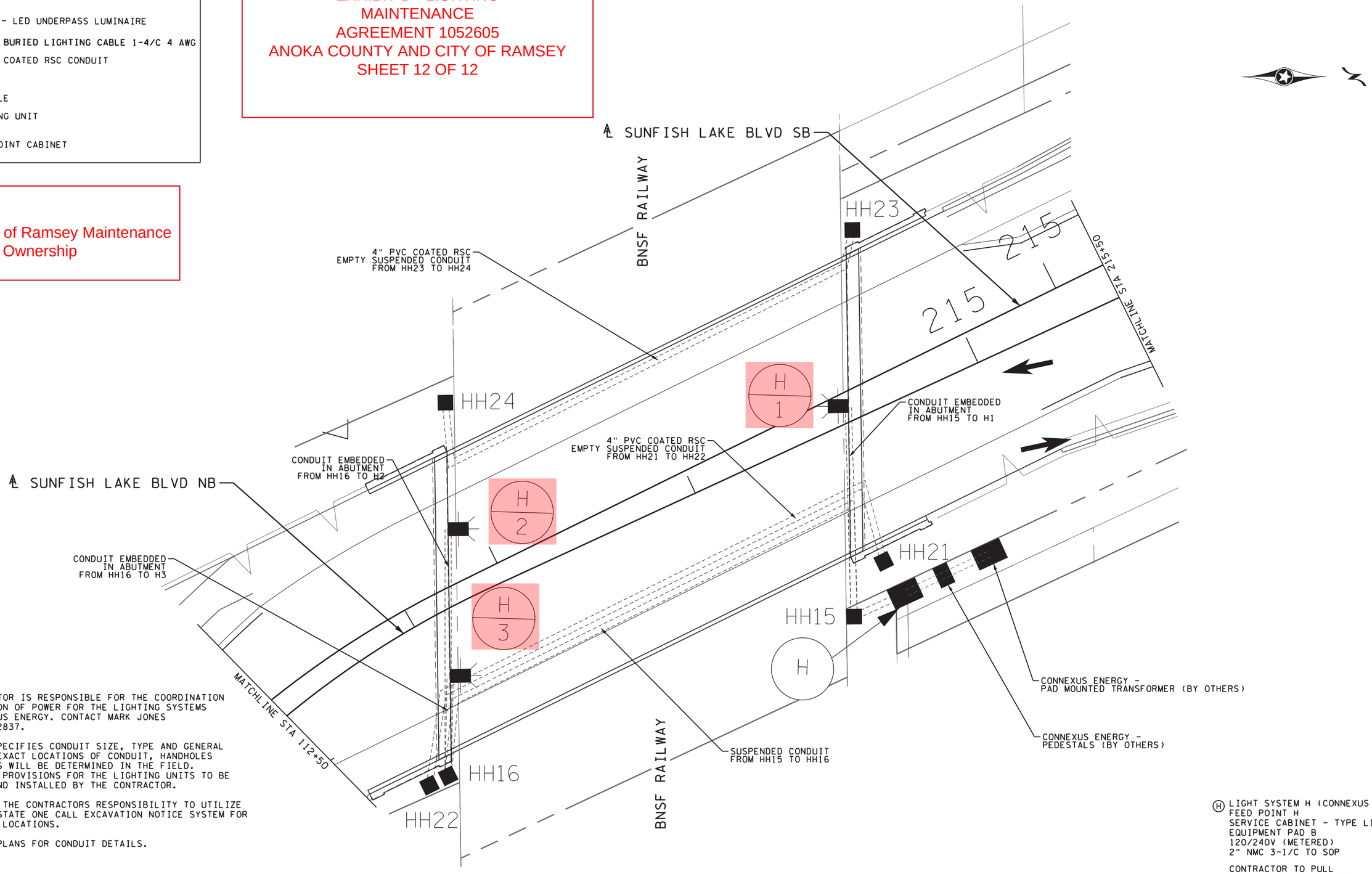
LEGEND

- TYPE L - LED UNDERPASS LUMINAIRE
- DIRECT BURIED LIGHTING CABLE 1-4/C 4 AWG
- 2" PVC COATED RSC CONDUIT
- HANDHOLE
- LIGHTING UNIT NUMBER
- FEED POINT CABINET

EXHIBIT D - LIGHTING MAINTENANCE
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 12 OF 12

LEGEND

[ ] City of Ramsey Maintenance and Ownership



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5. SEE BRIDGE PLANS FOR CONDUIT DETAILS.

(H) LIGHT SYSTEM H (CONNEXUS)
FEED POINT H
SERVICE CABINET - TYPE L1
EQUIPMENT PAD B
120/240V (METERED)
2" NMC 3-1/C TO SOP

CONTRACTOR TO PULL CONDUIT/POWER REQUIREMENTS TO PEDESTAL

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TH 10/169 IMPROVEMENTS
LIGHTING PLAN

SHEET 672 OF 685

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2

- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTE:

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

BNSF RAILWAY

℄ TH 10/169 WB

ANCHORAGE ASSEMBLY-TYPE 31

+14 P P P +01 (S) +91

8' SHLD (INP)
12' THRU LANE (INP)
12' THRU LANE (INP)
4' SHLD (INP)

+91

475

2' AGG SHLD
10' SHLD
12' THRU LANE
12' THRU LANE
4' SHLD

+25 1:25

TENSION CABLE GUARDRAIL

2' AGG SHLD

470

4' SHLD (INP)
12' THRU LANE (INP)
12' THRU LANE (INP)
10' SHLD (INP)

475

MATCHLINE STA 479+00

+94

℄ TH 10/169 EB

TH 10/169 EB STA 471+94.34
BEGIN S.P. 0202-116,
S.P. 002-596-026

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 1 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

RIVERDALE DR NW

ALPACA ST NW

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	BAU
DRAWN	TWB
CHECKED	BAU

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 231 OF 685

BNSF RAILWAY

℄ TRAIN STATION TRAIL CONNECTION

CIP RETAINING WALL G

℄ NW FRONTAGE RD

℄ TH 10/169 WB

10' TRAIL

93

R50'

R20'

R20'

R25'

790

795

B618 C&G

29'

+06

+34

+35

+59

+19

+84

+95

+93

+25

+17

+30

BEGIN CONSTRUCTION
NW FRONTAGE RD 789+33.87

MATCHLINE STA 479+00

MATCHLINE STA 493+50

2' AGG SHLD
10' SHLD
12' THRU LANE
12' THRU LANE
4' SHLD
2' STRIP OF 4" CONCRETE WALK
4' SHLD (INP)
12' THRU LANE (INP)
12' THRU LANE (INP)
10' SHLD (INP)

14' THRU LANE
14' THRU LANE
2' AGG SHLD
10' SHLD
12' THRU LANE
12' THRU LANE
4'-10.2' SHLD
12' THRU LANE
12' THRU LANE
10' SHLD
2' AGG SHLD
1:25
4' SHLD

480
485
490

ANCHORAGE ASSEMBLY - TENSION CABLE

TENSION CABLE GUARDRAIL

℄ TH 10/169 EB

RIVERDALE DR NW

LEGEND

4" CONCRETE WALK	TRAFFIC FLOW
6" CONCRETE WALK	TRAFFIC BARRIER DESIGN TYPE 31
CONCRETE CURB RAMP WALK	PROPOSED CHAIN LINK FENCE
6" CONCRETE DRIVEWAY PAVEMENT	PAVEMENT SECTION TRANSITION
7" CONCRETE WALK (TRUCK APRON)	EXISTING PERM EASEMENT
8" CONCRETE DRIVEWAY PAVEMENT	EXISTING RR RIGHT-OF-WAY
BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT	EXISTING RIGHT-OF-WAY
3" BITUMINOUS WALK	PROPOSED RIGHT-OF-WAY
AGGREGATE SURFACING (CV) CLASS 2	TEMPORARY EASEMENT
	PERMANENT EASEMENT
	CONSTRUCTION LIMITS
	STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 2 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

PROPERTY TRANSFER FROM MnDOT TO LOCALS

SHEET NOTES:

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(K) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) & ORNAMENTAL METAL RAILING TYPE SPECIAL PC (SEE MSE RETAINING WALL PLAN FOR DETAILS).

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	BAU
DRAWN	TWB
CHECKED	BAU

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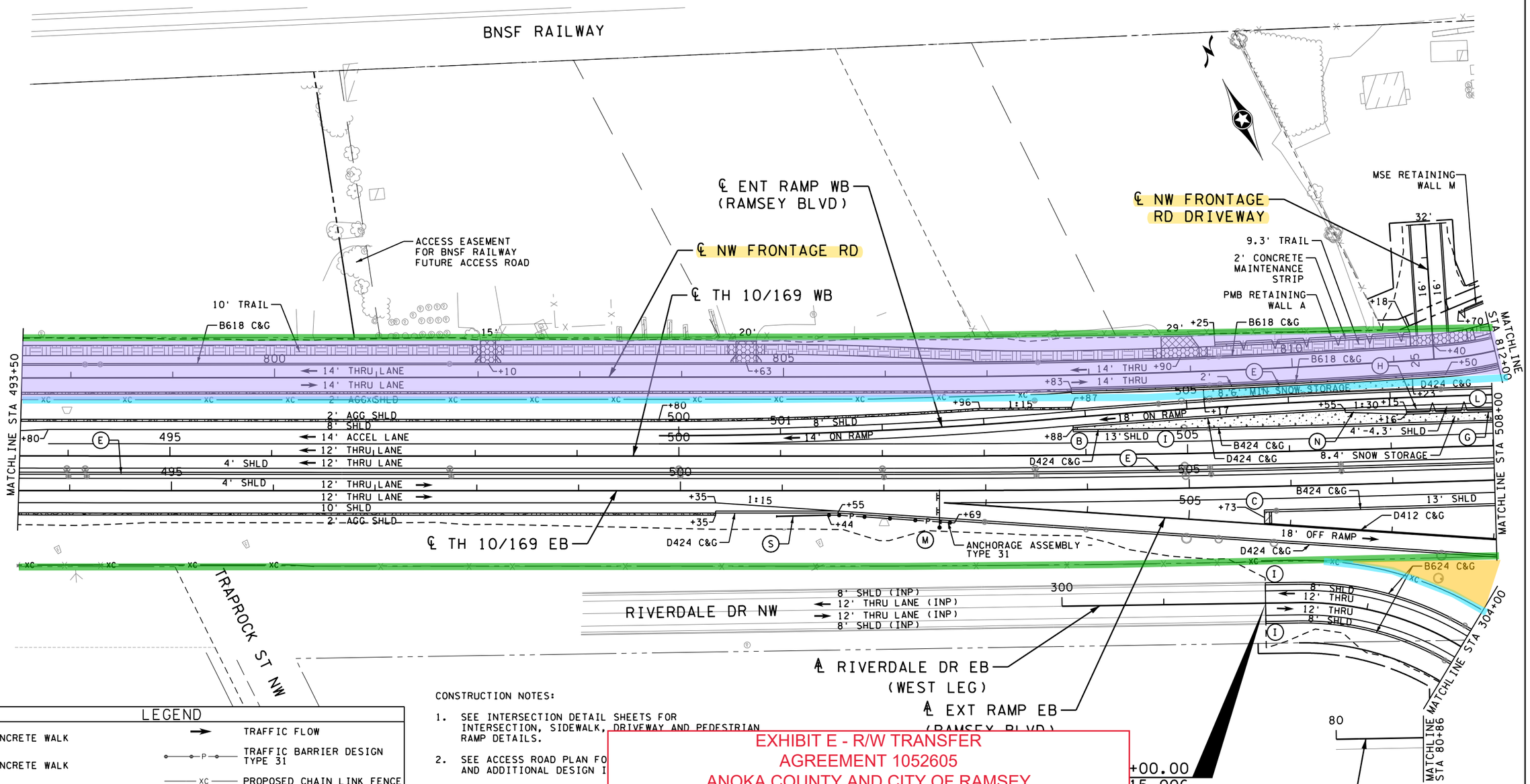
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 232 OF 685



CONSTRUCTION NOTES:

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2. SEE ACCESS ROAD PLAN FO AND ADDITIONAL DESIGN I
3. SEE TURF ESTABLISHMENT, PLAN FOR SUPERELEVATION

(I) 10' CURB TYPE TRANSITION.

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(M) OVERHEAD SIGN LOCATION (SEE SIGNING PLANS FOR PANEL AND STRUCTURAL DETAILS).

(N) SEE MSE RETAINING WALL DETAILS FOR BARRIER/WALL TRANSITION.

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
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- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 3 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

PROPERTY TRANSFER FROM LOCALS TO MnDOT

PROPERTY TRANSFER FROM MnDOT TO LOCALS

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LIC. NO. 59444 DATE 03-08-2023

DESIGNED BAU
DRAWN TWB
CHECKED BAU

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 233 OF 685

SHEET NOTES:

(A) CONCRETE MEDIAN NOSE STANDARD PLATE 7113. (PAID FOR AS 6" CONCRETE WALK)

(C) CONCRETE EXIT NOSE, SEE MISCELLANEOUS DETAILS. (PAID FOR AS 6" CONCRETE WALK)

(D) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(G) CONCRETE MEDIAN BARRIER SPECIAL (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(H) 36" TYPE P-4, (TL-4) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(I) 10' CURB TYPE TRANSITION.

(K) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) & ORNAMENTAL METAL RAILING TYPE SPECIAL PC (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(N) SEE MISCELLANEOUS DETAILS FOR BARRIER/WALL TRANSITION.

(O) IMPACT ATTENUATOR W/8" UNREINFORCED CONCRETE PAD (TL-3). SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

RAMSEY BLVD CONSTRUCTION

BRIDGE #02591
BRIDGE #02061
℄ NW FRONTAGE RD WB
℄ NW FRONTAGE RD EB
℄ N FRONTAGE RD WB (WEST)
℄ N FRONTAGE RD EB (WEST)
℄ N FRONTAGE RD DRIVEWAY
℄ N FRONTAGE RD
℄ EXT RAMP WB (RAMSEY BLVD)
℄ ENT RAMP WB (RAMSEY BLVD)
℄ RAMSEY BLVD NB (CSAH 56 NB)
℄ RAMSEY BLVD SB (CSAH 56 SB)
℄ TH 10/169 WB
℄ TH 10/169 EB
℄ EXT RAMP EB (RAMSEY BLVD)
℄ ENT RAMP EB (RAMSEY BLVD)
℄ RAMSEY BLVD SOUTH ROUNDABOUT
℄ RIVERDALE DR WB (WEST LEG)
℄ RIVERDALE DR WB (EAST LEG)
℄ RIVERDALE DR EB (WEST LEG)
℄ RIVERDALE DR EB (EAST LEG)
℄ REGIONAL PARK TRAIL
RIVERDALE DR NW
CIP RETAINING WALL A
CIP RETAINING WALL B
CIP RETAINING WALL D
MSE RETAINING WALL A
MSE RETAINING WALL B
MSE RETAINING WALL C
MSE RETAINING WALL M
END CONSTRUCTION NW FRONTAGE RD EB STA 816+68.55
BEGIN CONSTRUCTION N FRONTAGE RD EB (WEST) STA 820+48.99
END CONSTRUCTION RIVERDALE DR EB (WEST LEG) STA 309+51.52
BEGIN CONSTRUCTION RIVERDALE DR EB (EAST LEG) STA 320+54.55
END S.P. 199-115-006 RIVERDALE DR EB STA 327+01.08
ANCHORAGE ASSEMBLY TYPE 31
TRAFFIC BARRIER DESIGN TRANS TYPE 31
MATCHLINE STA 812+00
MATCHLINE STA 508+00
MATCHLINE STA 521+00
MATCHLINE STA 304+00
MATCHLINE STA 80+86

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 4 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

PROPERTY TRANSFER FROM LOCALS TO MnDOT

PROPERTY TRANSFER FROM MnDOT TO LOCALS

BOLTON & MENK
12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burnsville@bolton-menk.com
www.bolton-menk.com

REV.	BY	DATE

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	BAU
DRAWN	TWB
CHECKED	BAU

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 234 OF 685

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LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(B) CONCRETE ENTRANCE NOSE STANDARD PLATE 7107. (PAID FOR AS 6" CONCRETE WALK)

(D) 36" TYPE P-1, (TL-2) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(M) OVERHEAD SIGN LOCATION (SEE SIGNING PLANS FOR PANEL AND STRUCTURAL DETAILS).

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

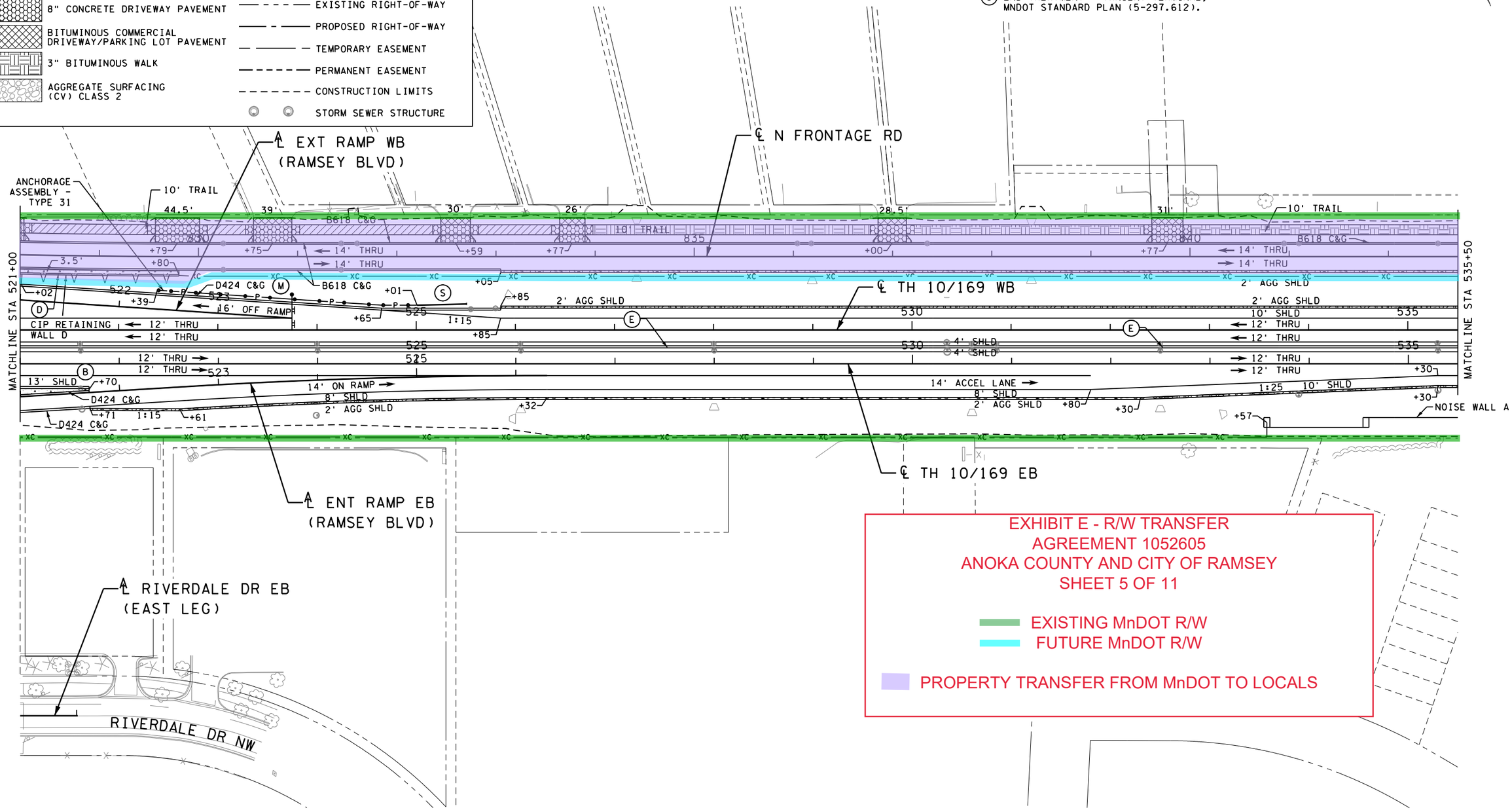

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 5 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

PROPERTY TRANSFER FROM MnDOT TO LOCALS

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 235 OF 685

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2

- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

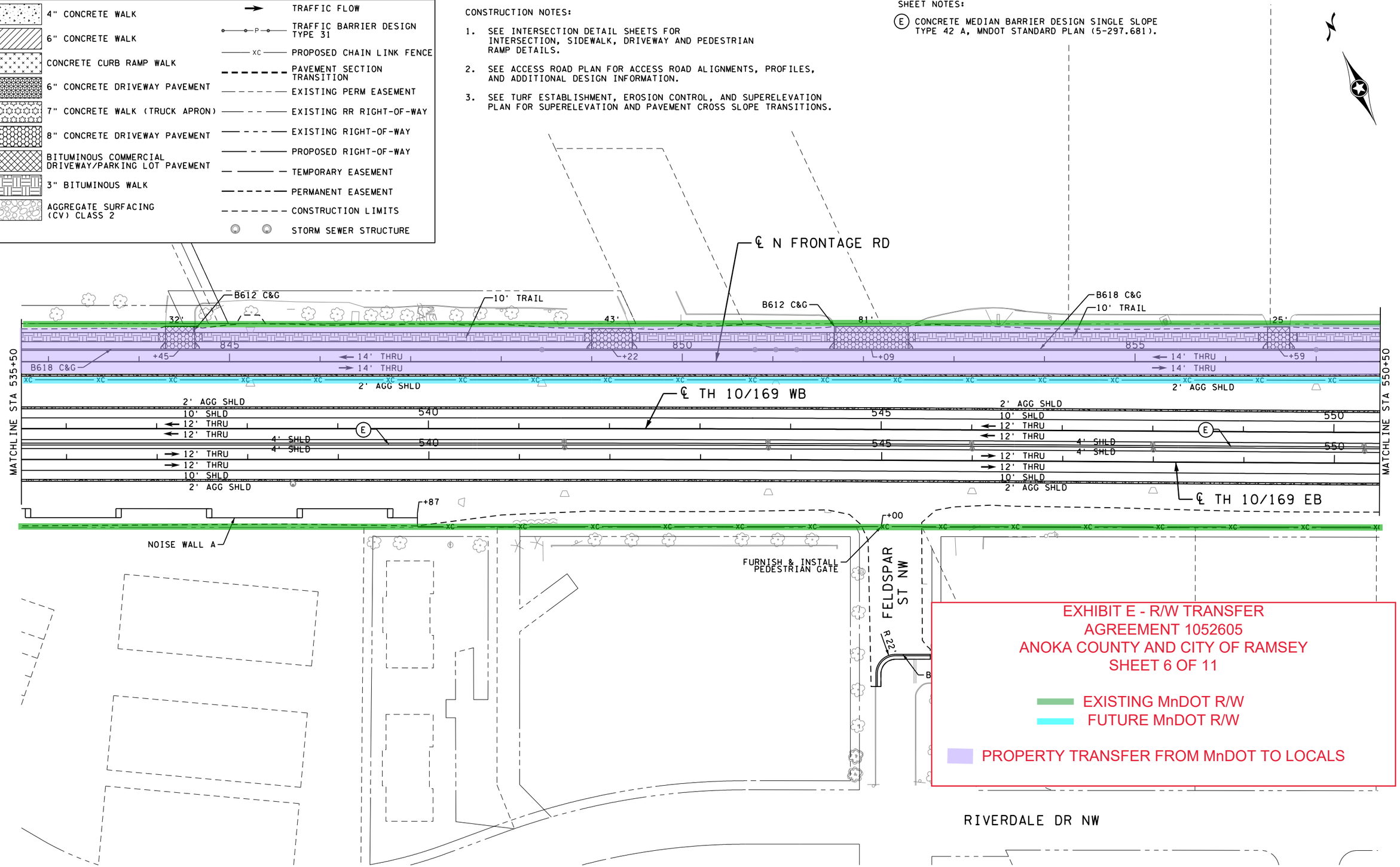

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 6 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

PROPERTY TRANSFER FROM MnDOT TO LOCALS

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	BAU
DRAWN	TWB
CHECKED	BAU

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 236 OF 685

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2

- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(B) CONCRETE ENTRANCE NOSE STANDARD PLATE 7107. (PAID FOR AS 6" CONCRETE WALK)

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(M) OVERHEAD SIGN LOCATION (SEE SIGNING PLANS FOR PANEL AND STRUCTURAL DETAILS).

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

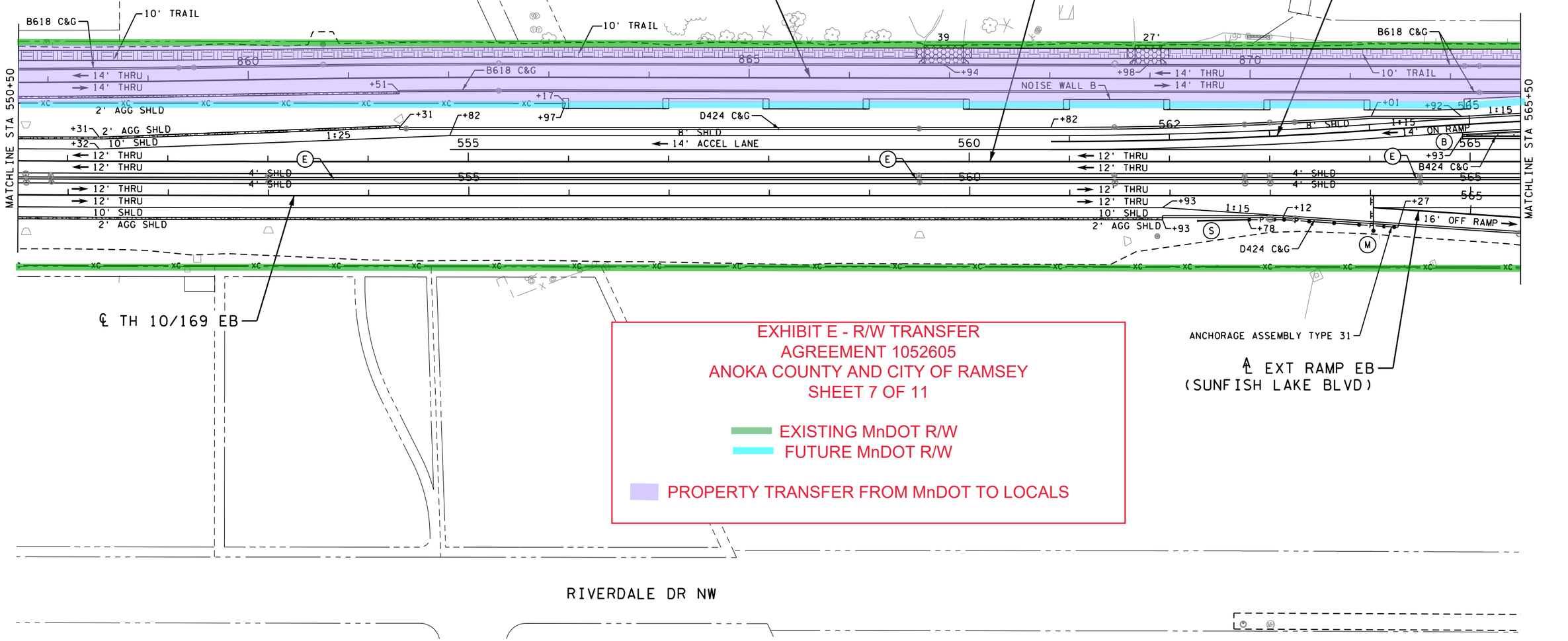

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 7 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

PROPERTY TRANSFER FROM MnDOT TO LOCALS

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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

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DRAWN TWB
CHECKED BAU

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 237 OF 685

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2

- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
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- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

BRIDGE #02592
CIP RETAINING WALL F
BITUMINOUS PATCH SPECIAL
℄ SUNFISH LAKE BLVD NB (CSAH 57 NB)
CIP RETAINING WALL E
℄ SUNFISH LAKE BLVD SB (CSAH 57 SB)
℄ NE FRONTAGE RD WB
℄ NE FRONTAGE RD EB
℄ N FRONTAGE RD WB (EAST)
BITUMINOUS PATCH SPECIAL
℄ N FRONTAGE RD EB (EAST)
℄ N FRONTAGE RD
℄ TH 10/169 WB
℄ EXT RAMP WB (SUNFISH LAKE BLVD)
℄ ENT RAMP WB (SUNFISH LAKE BLVD)
℄ TH 10/169 EB
℄ EXT RAMP EB (SUNFISH LAKE BLVD)
℄ ENT RAMP EB (SUNFISH LAKE BLVD)
℄ SUNFISH LAKE BLVD NB
℄ SUNFISH LAKE BLVD SB (CSAH 57 SB)
NOISE WALL B
MSE RETAINING WALL H
MSE RETAINING WALL E
MSE RETAINING WALL F
MSE RETAINING WALL I
TRAFFIC BARRIER DESIGN TRANS TYPE 31
BARRIER TYPE TRANSITION
ANCHORAGE ASSEMBLY TYPE 31
BEGIN CONSTRUCTION NE FRONTAGE RD EB STA 900+51.75
END CONSTRUCTION N FRONTAGE RD EB (EAST) STA 882+21.37
MATCHLINE STA 904+70
MATCHLINE STA 565+50
MATCHLINE STA 580+20
MATCHLINE STA 202+20
SUNFISH LAKE BLVD NB (CSAH 57) STA 205+01.40
BEGIN S.P. 002-657-003
END S.P. 199-113-003

(N) SEE MSE RETAINING WALL DETAILS FOR BARRIER/WALL TRANSITION.

(O) IMPACT ATTENUATOR W/8" UNREINFORCED CONCRETE PAD (TL-3). SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

(P) TRANSITION BETWEEN TYPE 42 A AND TYPE 42 A STEP BARRIERS.

(S) END TREATMENT - TANGENT TERMINAL, MNDOT STANDARD PLAN (5-297.612).

SUNFISH LAKE BLVD CONSTRUCTION

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 8 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

PROPERTY TRANSFER FROM LOCALS TO MnDOT

PROPERTY TRANSFER FROM MnDOT TO LOCALS

BOLTON & MENK
12224 NICOLLET AVENUE
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BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

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CHECKED	BAU

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 238 OF 685

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LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2

- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
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- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(A) CONCRETE MEDIAN NOSE STANDARD PLATE 7113. (PAID FOR AS 6" CONCRETE WALK)

(I) 10' CURB TYPE TRANSITION.

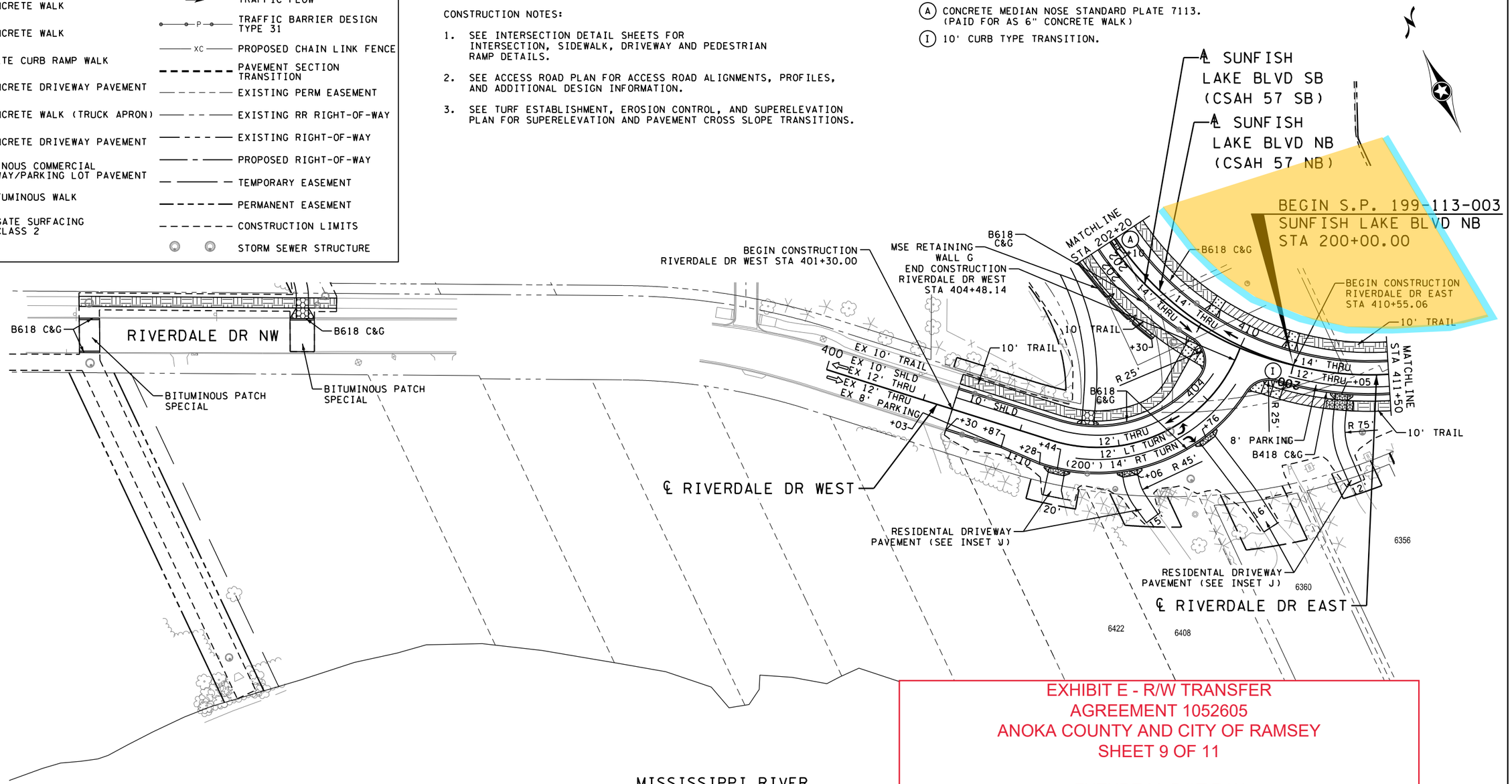

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 9 OF 11

FUTURE MnDOT R/W

PROPERTY TRANSFER FROM LOCALS TO MnDOT

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 246 OF 685

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2

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- TRAFFIC BARRIER DESIGN TYPE 31
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- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

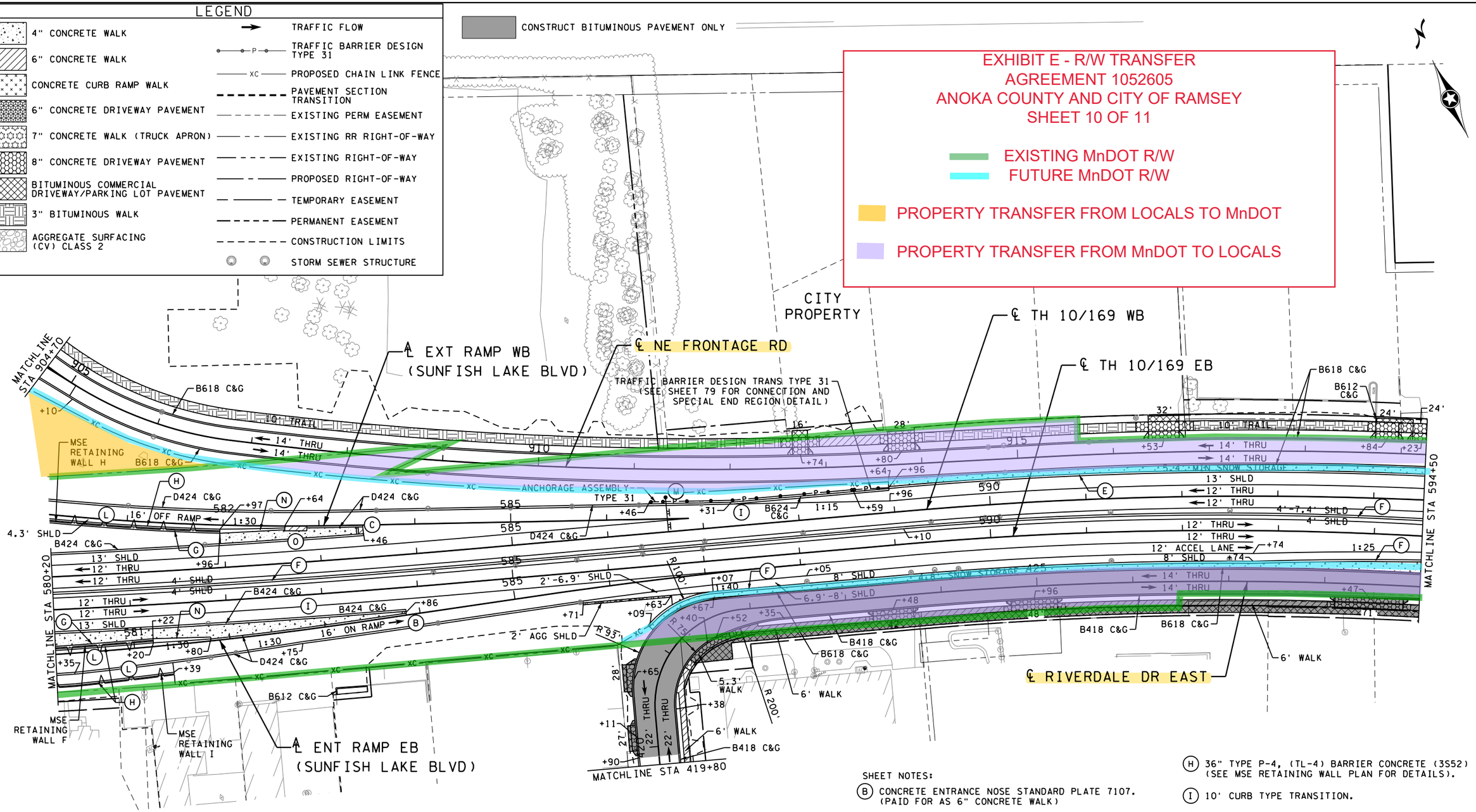
CONSTRUCT BITUMINOUS PAVEMENT ONLY

EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 10 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

PROPERTY TRANSFER FROM LOCALS TO MnDOT

PROPERTY TRANSFER FROM MnDOT TO LOCALS



CONSTRUCTION NOTES:

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2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

SHEET NOTES:

(B) CONCRETE ENTRANCE NOSE STANDARD PLATE 7107. (PAID FOR AS 6" CONCRETE WALK)

(C) CONCRETE EXIT NOSE, SEE MISCELLANEOUS DETAILS. (PAID FOR AS 6" CONCRETE WALK)

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(F) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A STEP, MNDOT STANDARD PLAN (5-297.681).

(G) CONCRETE MEDIAN BARRIER SPECIAL (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(H) 36" TYPE P-4, (TL-4) BARRIER CONCRETE (3S52) (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(I) 10' CURB TYPE TRANSITION.

(L) MOMENT SLAB (SEE MSE RETAINING WALL PLAN FOR DETAILS).

(M) OVERHEAD SIGN LOCATION (SEE SIGNING PLANS FOR PANEL AND STRUCTURAL DETAILS).

(N) SEE MSE RETAINING WALL DETAILS FOR BARRIER/WALL TRANSITION.

(O) IMPACT ATTENUATOR W/8" UNREINFORCED CONCRETE PAD (TL-3). SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

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TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 239 OF 685

SHEET NOTES:

(E) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A, MNDOT STANDARD PLAN (5-297.681).

(F) CONCRETE MEDIAN BARRIER DESIGN SINGLE SLOPE TYPE 42 A STEP, MNDOT STANDARD PLAN (5-297.681).

(I) 10' CURB TYPE TRANSITION.

(P) TRANSITION BETWEEN TYPE 42 A AND TYPE 42 A STEP BARRIERS.

CONSTRUCTION NOTES:

1. SEE INTERSECTION DETAIL SHEETS FOR INTERSECTION, SIDEWALK, DRIVEWAY AND PEDESTRIAN RAMP DETAILS.
2. SEE ACCESS ROAD PLAN FOR ACCESS ROAD ALIGNMENTS, PROFILES, AND ADDITIONAL DESIGN INFORMATION.
3. SEE TURF ESTABLISHMENT, EROSION CONTROL, AND SUPERELEVATION PLAN FOR SUPERELEVATION AND PAVEMENT CROSS SLOPE TRANSITIONS.

LEGEND

- 4" CONCRETE WALK
- 6" CONCRETE WALK
- CONCRETE CURB RAMP WALK
- 6" CONCRETE DRIVEWAY PAVEMENT
- 7" CONCRETE WALK (TRUCK APRON)
- 8" CONCRETE DRIVEWAY PAVEMENT
- BITUMINOUS COMMERCIAL DRIVEWAY/PARKING LOT PAVEMENT
- 3" BITUMINOUS WALK
- AGGREGATE SURFACING (CV) CLASS 2
- CONSTRUCT BITUMINOUS PAVEMENT ONLY
- TRAFFIC FLOW
- TRAFFIC BARRIER DESIGN TYPE 31
- PROPOSED CHAIN LINK FENCE
- PAVEMENT SECTION TRANSITION
- EXISTING PERM EASEMENT
- EXISTING RR RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- STORM SEWER STRUCTURE

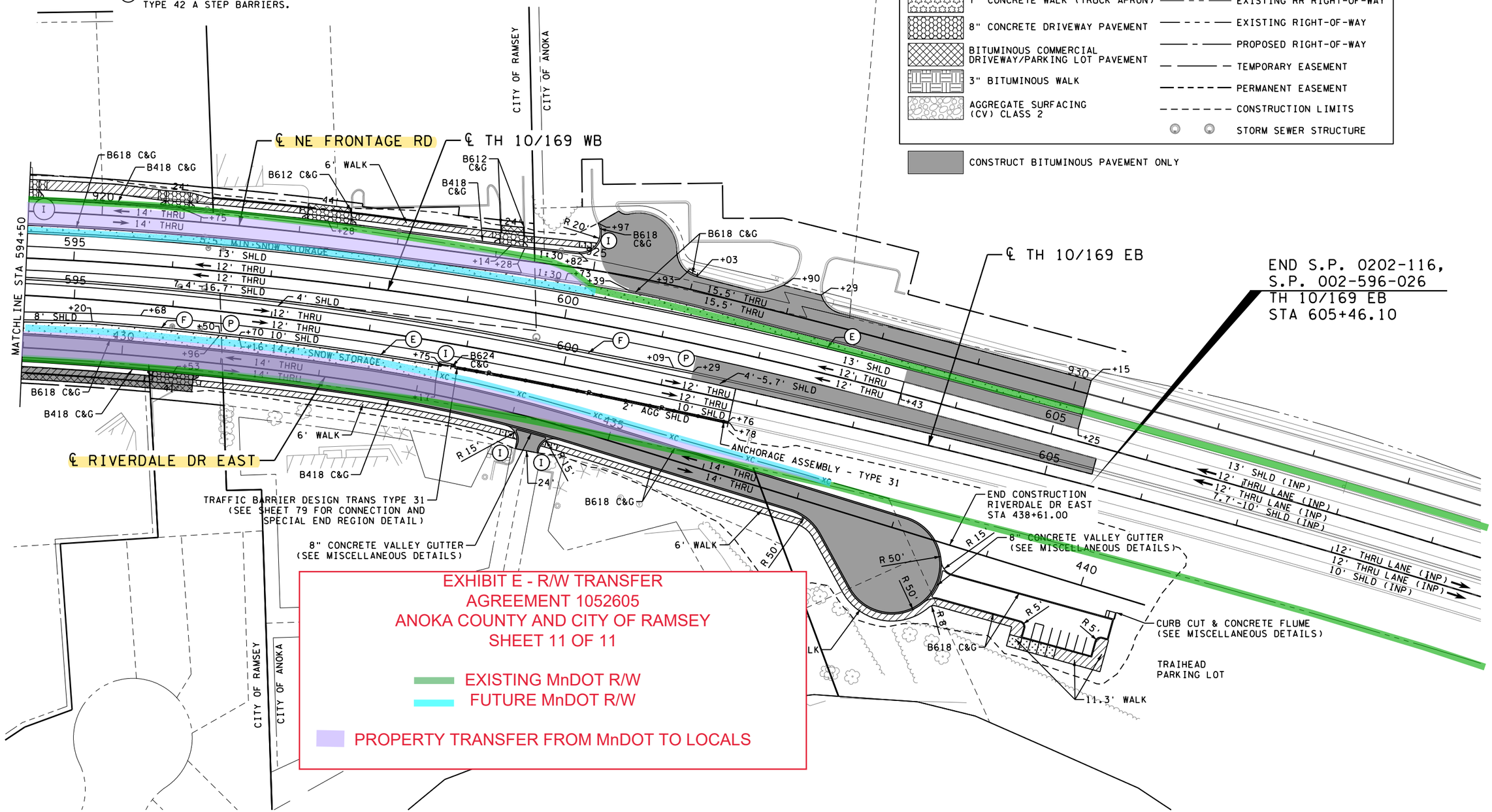


EXHIBIT E - R/W TRANSFER
AGREEMENT 1052605
ANOKA COUNTY AND CITY OF RAMSEY
SHEET 11 OF 11

EXISTING MnDOT R/W
FUTURE MnDOT R/W

PROPERTY TRANSFER FROM MnDOT TO LOCALS

SCALE 0 50 100 FEET

H:\AKC0\T44121316\CAD\MS\plans\Const\cd0202116_cp010.dgn

BOLTON & MENK
12224 NICOLLET AVENUE
BURNSVILLE, MINNESOTA 55337
Phone: (952) 890-0509
Email: Burnsville@bolton-menk.com
www.bolton-menk.com

REV.	BY	DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

BENJAMIN A. ULRICH
LIC. NO. 59444 DATE 03-08-2023

DESIGNED	BAU
DRAWN	TWB
CHECKED	BAU

S.P. 0202-116 (TH10), S.P. 002-596-026, S.P. 002-656-001, S.P. 002-657-003, S.P. 199-113-003, S.P. 199-115-006
TH 10/169 IMPROVEMENTS
CONSTRUCTION PLAN

SHEET 240 OF 685

tombu 5/3/2023 pdf-B and W.pltcfg bmi.tbl

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Create a positive image for residential neighborhoods, business districts and key corridors.

Information

Title

Adopt Resolution #23-242 Authorizing Removal of Old Public Works Offices at 14100 Jasper St. NW

Purpose/Background:

The Public Works Department has been operating out of their current facility since Fall 2021. The former location includes multiple buildings, including the former administrative offices at 14100 Jasper St NW. These offices were housed in satellite trailer similar to a mobile home. This structure is not suitable for continued use by the City. In 2022, Public Works attempted to sell the double wide trailer but were unsuccessful. Due to the condition of the trailer, and to repurpose the former public works site staff recommends hiring a contractor to remove the former offices.

Two quote were received to demolish and remove the offices from the site. The low quote was received from Foster Trucking, Inc. of Ham Lake, MN in the amount of $8,000. The quote does not include permit fees, utility disconnects, foundation removal (N/A) and ground restoration. This additional work is not needed as part of the quote and can be handled under normal staff duties.

Funding Source:

Facility Fund

Recommendation:

Staff recommends adopting Resolution #23-242 Authorizing Removal of Old Public Works Offices at 14100 Jasper St. NW

Action:

Motion to adopt Resolution #23-242 Authorizing Removal of Old Public Works Offices at 14100 Jasper St. NW

Attachments

Res. # 23-242

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 04:23 PM
Form Started By: Brian Hagen		Started On: 09/21/2023 04:04 PM
Final Approval Date: 09/21/2023		

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #23-242

RESOLUTION AUTHORIZING REMOVAL OF OLD PUBLIC WORKS OFFICES AT 14100 JASPER ST NW

WHEREAS, the former Public Works Department Administrative Offices are no longer in use; and

WHEREAS, the condition of the mobile trailer have deteriorated beyond a condition where the trailers are in a useable condition; and

WHEREAS, staff attempted to sell the trailer in 2022 but were unsuccessful; and

WHEREAS, staff received two quotes for the demolition and removal of the trailers; and

WHEREAS, the low quote was submitted by Foster Trucking, Inc. out of Ham Lake, MN in the amount of $8,000.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the Ramsey City Council hereby approves the quote submitted by Foster Trucking, Inc. in the amount of $8,000 and authorizes the removal of the former Public Works Administrative Offices located at 14100 Jasper St NW.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember , and upon vote being taken thereon, the following voted in favor thereof:

Mayor Kuzma
Councilmember
Councilmember
Councilmember
Councilmember
Councilmember
Councilmember

and the following voted against the same:

None

and the following abstained:

None

and the following were absent:

None

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

Mayor

ATTEST:

City Clerk

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Not Applicable

Information

Title

Adopt Resolution #23-243 Supporting the Anoka Rum River Dam Reconstruction and Modification Project Bonding Request

Purpose/Background:

Purpose:
To adopt Resolution #23-243 Supporting the Anoka Rum River Dam Reconstruction and Modification Project Bonding Request.

Background:
The Anoka Rum River Dam recreational pool extends over six miles upstream, which provides benefit to multiple communities, including the City of Ramsey. Recreational opportunities can be further enhanced through dam modifications proposed by the City of Anoka with their Anoka Rum River Dam Reconstruction and Modification Project. The proposed dam modifications would also re-establish the connection from the upper pool of the Rum River to the Mississippi River.

The Anoka Rum River Dam Reconstruction and Modification Project includes installation of automated crest gates, maintenance platform, hydropower, lock system, and other recreational activities to include river surfing below the dam. See attached City of Anoka Council Worksession Memo dated September 18, 2023 for more details on the proposed improvements.

The City of Anoka is requesting $11.95M financial support for construction costs related to the modification and reconstruction of the Rum River Dam from the 2024 Capital Budget General Obligation Bonding. Costs included in the 2024 funding request are for pre-design, engineering, final design, permitting, construction, utility infrastructure and relocation, and public engagement for the proposed improvements. A Feasibility Report will examine the cost and benefit for each element of the improvements. The final report will include an engineer's estimate for the overall project costs.

As part of the application process, the City of Anoka is required to submit a signed resolution stating the agency is requesting funding from the State of Minnesota; and if funding is provided, the local agency will complete the project as scheduled. The attached City of Anoka Council Worksession Memo dated September 18, 2023 includes a copy of the Anoka City Council Resolution.

On Thursday, September 21, 2023, the Lower Rum River Watershed Management Organization (LRRWMO) Board passed a resolution supporting the LRRWMO by providing a Letter of Support.

Recommendation:

Staff recommends adopting Resolution #23-243 Supporting the Anoka Rum River Dam Reconstruction and Modification Project Bonding Request.

The City of Anoka is not requesting financial assistance from the City of Ramsey for the Anoka Rum River Dam Reconstruction and Modification Project.

Action:

Adopt Resolution #23-243 Supporting the Anoka Rum River Dam Reconstruction and Modification Project Bonding Request.

Attachments

Resolution 23-243
Anoka Dam Modification Project Brochure
Item 9.2 Supporting 2024 Bonding Request Rum River
Memo to WMO Supporing Dam Project

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 04:23 PM
Form Started By: Bruce Westby		Started On: 09/21/2023 04:18 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-243

RESOLUTION OF SUPPORT FOR ANOKA RUM RIVER DAM RECONSTRUCTION AND MODIFICATION PROJECT BONDING REQUEST

WHEREAS, the Ramsey City Council acknowledges the Anoka Rum River Dam Reconstruction and Modification Project, which proposes installation of automated crest gates, maintenance platform, hydropower, lock system, and other recreational activities to include river surfing below the dam; and,

WHEREAS, the Ramsey City Council acknowledges the City of Anoka is the sole owner of the Rum River Dam located in the City of Anoka, Anoka County; and,

WHEREAS, the Ramsey City Council acknowledges this project would provide environmental and recreational benefits to the Rum River bordering the City of Ramsey.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The City of Ramsey supports the 2024 Capital Budget General Obligation Bonding request for the Anoka Rum River Dam Reconstruction and Modification Project.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

CITY OF ANOKA - RUM RIVER DAM

Re-imagined for the next 100 years!

In 1935, the City of Anoka became the owner of the Rum River Dam structure. Anoka continues to own and operate the dam today.

SECURED FUNDING 2023:

$500,000

Feasibility Study related to adding a lock or means for boats to traverse the dam, a means to generate hydroelectric power; and reconstruction of dam in a means to facilitate river surfing at the dam site.
Design, engineering, and environmental analysis

PROPOSED MODIFICATIONS:

$11.95 million

- Operation & Safety Improvements
- Hydroelectric Power Generation
- River Surfing
- Lock or Boat Portage System
- Fish Passage
- Enhanced Environmental Benefits

OPERATION AND SAFETY IMPROVEMENTS:

Flashboard installation and removal requires manual manipulation and places city staff in a hazardous situation biannually. The river's water level must be low enough to bypass the deck of the dam when the tainter gate is opened. Spring installation is dependent on flooding, which can delay installation into the summer months. Board removal in the fall can be treacherous due to harsh temperatures. Conversion to an automated crest gate system would eliminate the need for crews to traverse the dam and would allow for predictive water level management to reduce spring flooding, upstream riverbank erosion, impacts to infrastructure and damage to aquatic habitat. The maintenance platform would allow for year-round removal of trees and debris that collects on the upstream side of the crest gates.

HYDROELECTRIC POWER GENERATION:

Hydroelectric power is not a new concept for the Anoka Rum River Dam, although the technology is new. In the 1880's, the dam included four turbines on the east bank of the river that powered the Lincoln Flour Mill and several other businesses along the riverfront (pictured on the right). The historic dam produced approximately 540kW of power with unrestricted flows.

Modern technology indicates that a hydroelectric power plant could produce enough electricity to power the utilities along the riverfront and four buildings the size of Anoka City Hall without creating adverse environmental impacts. The Anoka project would benefit local residents by reducing the peak electric use across the entire grid system. In addition, the incorporation of hydroelectric power generation aligns well with Minnesota's ultimate goal of producing 100% of its electricity from green energy sources by the year 2040.

ANOKA
REAL. CLASSIC.

City of Anoka, 2015 First Ave., Anoka MN
Greg Lee, City Manager, 763-576-2711

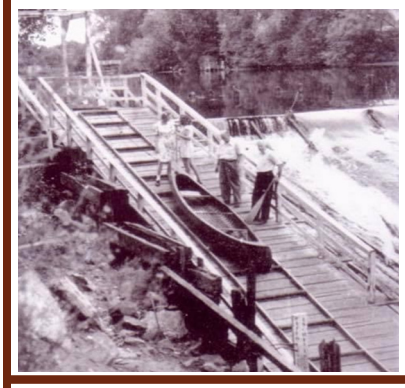
RIVER SURFING:

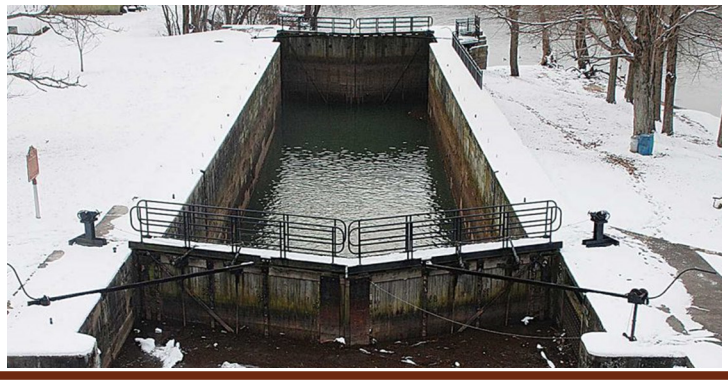
River surfing is a new sport growing in popularity in the United States. It provides an inland option for surfers and paddlers to ride a standing wave created by the underlying rock formations and the river water flow rate. Waves can occur naturally in the riverbed but also can be engineered. The best waves are caused by a high volume of water flowing over rock formations to create a single wave and not a series of rapids. River surfing on the Rum River would put Anoka on the map as a unique river recreation and tourism destination with the first river surfing location in the Midwest and east of the Mississippi River.

Photo courtesy of Riverbreak.com

LOCK OR BOAT PORTAGE SYSTEM:

The 1940's historic dam included a conveyor system for small watercraft to portage the dam. Modification of the existing spillway into a lock will offer passage to pontoons and other watercraft, creating access from above the dam to the lower Rum River channel and the recreational pool of the Mississippi River. The dam creates a segmentation and disconnection for residents living along the upper Rum River from the lower Rum and Mississippi Rivers. An additional benefit of a lock is that water could be drawn down periodically for dam inspection and maintenance and it could be opened to assist with the release of floodwaters. A lock would also aid in the passage of native fish species for spawning.





FISH PASSAGE:

A fish passage would allow fish to swim along and leap a variety of low steps allowing access to the waters on either side of the dam supporting the spawning needs of native fishes by increasing their habitat and effectively restocking the Rum River. Eventually, those fish would return to the Mississippi River bolstering the fishery of the big river. Native fishes will benefit from access to spawning grounds that extend from Mille Lacs Lake to the Mississippi River. The fish passage would utilize a 'nature-inspired' design allowing it to become part of the landscape and be an educational feature of the park. An integrated gate system and pump would be used to adjust the flow of water and allow for the passage to be closed for maintenance, seasonal flooding, and to control aquatic invasive species.

ENHANCED ENVIRONMENTAL BENEFITS:

Dam upgrades would enable the City of Anoka, in consultation with the MN DNR, to actively manage water levels for multiple benefits. Whether it's flood control in the face of mounting precipitation extremes, or actions that would benefit target species, the proposed dam improvements provide the ability to manage adaptively and precisely based on the best available science and climate forecasts, which will be paramount in the coming decades.

The generation of hydroelectric power would be free of hazardous fumes and greenhouse emissions. Other modifications will help effectively obstruct the erratic and rapid flows to help mitigate spring flooding and to better control the recreation pool above the dam to support recreational river use.

The Anoka Rum River Dam is a major asset to the region with the recreational pool extending over six miles upstream, thus benefiting multiple communities. Recreational opportunities will be further enhanced through the proposed dam modifications as they will re-establish the connection to the Mississippi River.

9 min promotional video on YouTube: Rum River Dam - Past, Present, and Future. https://youtu.be/cuSsHAXyeRI

For more information on this project please visit www.anokaminnesota.com

COUNCIL WORKSESSION MEMO

Agenda Items #9.1

Meeting Date: September 18, 2023

Agenda Section: Ordinances & Resolutions

Item Description: RES/Support for the 2024 Capital Budget General Obligation Bonding Request for the Anoka Rum River Dam Reconstruction and Modification Project

Submitted By: Lisa LaCasse, Public Services Administrator

BACKGROUND INFORMATION

In 1853, the first timber dam was constructed to provide power for the saw mills in the City of Anoka.

In 1880, W.D. Washburn built the Lincoln Flour Mill at the dam site and the dam produced over 250 HP to power the mill. The total ultimate power produced by the dam was 725 HP and in 1931, the Pillsbury Milling Company discontinued the milling operations in Anoka.

In the summer of 1891, the Rum River recreational pool was created. Log timbers and flashboards were placed on the Dam at Anoka to raise the level of the Rum River.

On January 19, 1935 the Pillsbury-Washburn Flour Mills Company granted and deeded the flowage rights forever to the City of Anoka. As the owner, the city has been and continues to be responsible for the ongoing operations, maintenance, repair and replacement of the dam.

On March 11, 1935 the City of Anoka purchased the Dam at Anoka from the Pillsbury Flour Mills Company and became the sole owner of the dam. As the owner, the city has been and continues to be responsible for the ongoing operations, maintenance, repair and replacement of the dam.

In 2014, the water infrastructure bill passed by Congress required Army Corp of Engineers to close Upper St. Anthony Lock and Dam to quell the possible spread of invasive species. With this in place and the Coon Rapids Three Rivers Park Dam as the second redundant barrier upstream for the invasive species the consideration of investing in another redundant barrier at the Rum River Dam in Anoka was not selected by the MN legislators.

On May 23, 2023 the State Bonding Bill was presented to the Governor Dayton and on May 24, 2023 he signed the State Bonding Bill into law. As part of the bill, there was $500,000 granted to the City of Anoka for feasibility studies for the design, engineering, and environmental analysis for the repair and reconstruction of the Rum River Dam. This appropriation is onetime and is available until June 30, 2027.

On July 10, 2023 Marianne Conboy, Capital Budget Coordinator submitted Anoka's State of Minnesota 2024 Capital Budget request for safety

improvements, hydropower generation, lock and enhanced recreational opportunities, to the MN Management and Budget. And the project's status was updated to Final Submitted in the Capital Budget System.

On Wednesday, September 13, the Capital Investment Committee Legislative Bus Tour stopped at the Anoka Dam to learn more about the project.

DISCUSSION

The Anoka Rum River Dam is a major asset to the City of Anoka and the north metropolitan region with the recreational pool extending over six miles upstream, thus benefiting multiple communities within Anoka County. Recreational opportunities will be further enhanced through the proposed dam modifications as it will re-establish the connection from the upper pool of the Rum River to the Mississippi River.

The Anoka Rum River Dam Reconstruction and Modification Project includes installation of automated crest gates, maintenance platform, hydropower, lock system, and other recreational activities to include river surfing below the dam. The proposed modification includes the following goals and objectives:

- Safety and Operations:
    - Replace manually installed flashboards with an automated crest gates
    - Construct a maintenance platform spanning the river to assist with deadfall/debris removal
- Energy:
    - Hydroelectric power generation benefit to local residents by reducing peak power usage across entire power grid
    - Aligns with Minnesota's ultimate goal of producing 100% of its electricity from green energy sources by the year 2040
    - Power generation without adverse environmental impacts
- Ecology:
    - Fish bypass to connect the Rum River to the Mississippi River supports the spawning needs of native fish and increases habitat
- Recreation:
    - Convert the spillway into a lock to allow passage of small watercraft expanding boating access to the Wild and Scenic Rum River
    - Create a standing wave below the dam to allow for river surfing enhancing Anoka's tourism
    - Establish a cross river trail as a secondary purpose for the maintenance platform benefiting Anoka's recreational trail system
- Water level management:
    - Enable active water level management in consultation with DNR to help minimize flooding, benefit particular species, and respond to mounting climate extremes

As part of the application process the local agency is required to submit a signed resolution stating the agency is requesting funding from the State of Minnesota; and if funding is provided, the local agency will complete the project as scheduled.

FINANCIAL IMPACT

The City of Anoka is requesting $11.95 financial support for construction costs related to the modification and reconstruction of the Rum River Dam from the 2024 Capital Budget General Obligation Bonding. Costs included in the 2024 funding request are Pre-design, Engineering, Design, Permitting, Construction, Utility Infrastructure and Relocation, and Public Engagement for the proposed improvements. Feasibility Report will examine the cost and benefit for each element of the improvements. The final report will include engineer estimate for the overall project.

Grants may be available to partially fund some of the proposed improvements. Some grants that are available by the Federal Government (FEMA, National Dam Rehabilitation Program), the Minnesota Department of Natural Resources (dam safety grants, Lessard Sams), State of MN (Met Council Regional Solicitation), U.S. Department of Energy (renewable energy funds), and other applicable grant opportunities.

REQUESTED COUNCIL ACTION

Staff is requesting that City Council adopt the attached resolution supporting the 2024 Capital Budget General Obligation Bonding for the Anoka Rum River Dam Reconstruction and Modification Project.

REQUIRED VOTE

Councilmembers majority vote present at the time of the City Council meeting.

2015 First Avenue, Anoka MN 55303
Phone: (763) 576-2700 Website: www.anokaminnesota.com

CITY OF ANOKA, MINNESOTA
RESOLUTION

RES-2023-XXXX

RESOLUTION OF SUPPORT FOR THE 2024 CAPITAL BUDGET GENERAL OBLIGATION BONDING REQUEST FOR THE ANOKA RUM RIVER DAM RECONSTRUCTION AND MODIFICATION PROJECT

WHEREAS, the first timber dam was constructed in 1853, to provide power for the saw mills, wood working plants, and cooper shops operating along the east bank of the Rum River; and

WHEREAS, beginning in 1880 the dam was used for power generation by the flour mill for 50 mills. The dam was able to produce approximately 540kW of power without restricting the flow of the river; and

WHEREAS, since the summer of 1891, timbers and flashboards were placed on the Dam at Anoka for the purpose of raising the level of the Rum River; and

WHEREAS, pursuit to the Deed dated the 19th day of January, 1935, Pillsbury-Washburn Flour Mills Company granted and deeded the flowage rights forever to the City of Anoka; and

WHEREAS, on the 11th date of March, 1935, the City of Anoka purchased the Dam at Anoka from Pillsbury-Washburn Flour Mills Company and became the sole owner of the dam; and

WHEREAS, City Council acknowledges the Anoka Rum River Dam Reconstruction and Modification Project which includes installation of automated crest gates, maintenance platform, hydropower, lock system, and other recreational activities to include river surfing below the dam; and

WHEREAS, City of Anoka is the sole owner of the Rum River Dam located in the City of Anoka, Anoka County; and

WHEREAS, the Anoka City Council identifies the Anoka Rum River Dam Reconstruction and Modification Project as a priority project application for the 2024 Capital Budget process; and

AND WHEREAS, the project will have a regional impact on the north metropolitan area benefiting communities in Anoka and Hennepin Counties including the cities of: Andover, Ramsey, St. Francis, Coon Rapids, Brooklyn Park, Champlin, Dayton, Elk River and Otsego.

NOW, THEREFORE, BE IT RESOLVED, the City Council of the City of Anoka, Anoka, Minnesota, does hereby,

1. Deem this project necessary and supports the application for funds from the 2024 Capital Budget General Obligation Bond Appropriation.

2. Supports the pursuit and use of 2024 Capital Budget General Obligation Bonding to improve the Rum River Dam, including engineering, design and construction for such reconstruction and modification improvements.

3. Acknowledges the City of Anoka's responsibility to provide proof of full funding in order to accept and encumber State of Minnesota General Obligation Funds.

4. City of Anoka will comply with all applicable terms, laws, and regulations as outlined in the Capital Budget General Obligation Bonding bill.

Adopted by the Anoka City Council this the 18th day of September, 2023.

ATTEST:

_____	_____
Amy T. Oehlers, City Clerk	Phil Rice, Mayor

ANOKA
REAL. CLASSIC.

Public Services – Engineering

MEMORANDUM

TO: **LRRWMO Board & Member Cities**

FROM: **City of Anoka**

DATE: **September 14, 2023**

RE: **City of Anoka Support of the Anoka Rum River Dam Reconstruction and Modification Project**

On Septmber 8, 2022, the LRRWMO board made a motion supporting the proposed legislation being pursued by the City of Anoka and area state legislators in order to improve the safety and fuctionlity of the City of Anoka Dam on the Rum River. And on May 23, 2023, the State Bonding Bill was presented to the Governor Dayton and on May 24, 2023 he signed the State Bonding Bill into law. As part of the bill, there was $500,000 granted to the City of Anoka for feasibility studies for the design, engineering, and environmental analysis for the repair and reconstruction of the Rum River Dam. See attached *City of Anoka – Rum River Dam* Legislative Brochure.

On July 10, 2023, Anoka's State of Minnesota 2024 Capital Budget request was officially part of the Capital Budget System. And on September 13, 2023, the Capital Investment Committee Legislative Bus Tour stopped at the Anoka Dam.

On September 18, 2023, Anoka City Council adopted a resolution supporting the 2024 Capital Budget General Obligation Bonding request for the Anoka Rum River Dam Reconstruction and Modification Project.

The City of Anoka is requesting Letters of Support from the Lower Rum River Watershed Management Orgination, the City of Andover, and the City of Ramsey for the Anoka Rum River Dam Reconstruction and Modification Project. Attached is a letter of support template for your reference and/or your use if the project is supported by your organization. The deadline for Anoka staff to submit these letters is October 13, 2023.

The City of Anoka is requestion the LRRWMO board and member cities supports the Anoka Rum River Dam Reconstruction and Modification Project by submitting a Letters of Support prior to the October 13th deadline.

CITY HALL * 2015 FIRST AVE N * ANOKA, MINNESOTA 55303-2270
PHONE (763) 576-2980 FAX (763) 576-2988 WEB www.ci.anoka.mn.us

CC Regular Session **6. 1.**

Meeting Date: 09/26/2023

By: Diana Lund, Finance

Information

Title:

Public Hearing: Adopt Resolution #23-227 Adopting Assessments for Past-Due Charges on Municipal Utility Bills and Current Services Rendered

Purpose/Background:

The City of Ramsey provides varying services that are billed directly to residents through the municipal utility bill and through city invoices. The proposed assessment is made pursuant to the authority granted to the Council by City Ordinance #94-13 and/or Minnesota Statute 429.101 and Chapter 30, Sec 30-3 and Chapter 58 Sec 58-24 of the City Code.

This is the 25th year that the City of Ramsey will be certifying delinquent payments as assessments to be collected with property taxes payable in 2024. The total of delinquent payments as of the writing of this case was $424,282.09 which includes penalties and interest. This amount is anticipated to change after collections through September 26, 2023 are posted. The new amount will be the amount to be included in the attached resolution for certification. Any payments received after September 26, 2023, and through November 15, 2023, will be indicated as “prepaid” when the list is transmitted to Anoka County for certification.

Notification:

The Public Hearing was posted in the Anoka Union for two consecutive weeks prior to the meeting.

Observations/Alternatives:

Attached is the resolution certifying the delinquencies and the most current list of delinquent accounts. The residents that are listed on the delinquency list have all been notified via letter from the City. For those accounts where the former homeowner has moved out and left a balance owing on their account, the City follows the policy that all delinquent bills follow the property and not the person.

Funding Source:

Utility collections fund the respective utility accounts of water, sewer, street lighting, recycling and storm drainage.

Recommendation:

Recommendation to adopt Resolution #23-227 Adopting Assessments for Past-Due Charges on Municipal Utility Bills (Which May Include Water, Sewer, Street Lighting, Recycling, Storm Water Charges and Penalties Incurred) and Current Services Rendered.

Action:

Hold public hearing and then motion to adopt Resolution #23-227 Adopting Assessments for Past-Due Charges on Municipal Utility Bills (Which May Include Water, Sewer, Street Lighting, Recycling, Storm Water Charges and Penalties Incurred) and Current Services Rendered.

Attachments

Reso #23-227 Adopting Levy of Assessments for Past Due Charges

3-Year Certification Comparison
List of Delinquent Accounts

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:08 AM
Form Started By: Diana Lund		Started On: 09/18/2023 09:21 AM
Final Approval Date: 09/21/2023		

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #23-227

RESOLUTION ADOPTING ASSESSMENTS FOR PAST-DUE CHARGES ON MUNICIPAL UTILITY BILLS (WHICH MAY INCLUDE WATER, SEWER, STREET LIGHTING, RECYCLING, STORM WATER CHARGES AND PENALTIES INCURRED) AND CURRENT SERVICES RENDERED

WHEREAS, pursuant to proper notice duly given as required by law, the Ramsey City Council has met and heard and passed upon all objections to the proposed assessment for past-due charges on municipal utility bills and through invoices.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That such proposed assessment, a copy of which is attached hereto and made a part hereof, is hereby accepted and shall constitute the special assessment against the lands named therein, and each tract of land therein included is hereby found to be benefited by the services in the amount of the assessment levied against it.

2) That such assessment shall be payable in annual installments extending over a period of one year, to be payable with the first tax rolls of 2024, and shall bear interest at the rate of 6.00 percent from the date of adoption of this assessment resolution to December 31, 2024.

3) That the owner of any property so assessed may, at any time prior to certification of the assessment to the Anoka County Auditor, pay the whole of the assessment on such property, with interest accrued to the date of payment, to the City Finance Department, except that no interest will be charged if the entire assessment is paid within 30 days from the adoption of this resolution.

4) That a certified duplicate of this assessment be transmitted to the Anoka County Auditor's Office to be extended on the property tax lists of the County and such assessments shall be collected and paid in the same manner as other municipal taxes.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September 2023.

Mayor

ATTEST:

City Clerk

2023 CERTIFICATION

Original Letters Sent 9/5/23

Number of UB Accts: 1103
Number of Accounts Increased from 2022: 23
Percentage of Accounts Increased from 2022: 2.09%

	Amount Delinquent	Admin Fee ($35/acct)	Interest (6.0%)	Total Subject to Certification
Utility Accounts	376,074.74	38,570.00	28,499.97	443,144.71
Accounts Receivable	24,039.48	105.00	1,821.73	25,966.21
Total	**400,114.22**	**38,675.00**	**30,321.70**	**469,110.92**

Public Hearing Update 9/26/23

Number of UB Accts:
Number of UB Accounts Brought Current Since Letters: 947
Percentage of UB Accounts Brought Current Since Letters: 14.14%

	Amount Delinquent	Admin Fee ($35/acct)	Interest (6.0%)	Total Subject to Certification
Utility Accounts	339,479.24	33,110.00	25,726.64	398,315.88
Accounts Receivable	24,039.48	105.00	1,821.73	25,966.21
Total	**363,518.72**	**33,215.00**	**27,548.37**	**424,282.09**

Final Certification - Post 11/15/23

Number of UB Accts:
Number of UB Accounts Brought Current Since Letters: 1103
Percentage of UB Accounts Brought Current Since Letters: 100.00%

	Amount Delinquent	Admin Fee ($30/acct)	Interest (5.50%)	Total Subject to Certification
Utility Accounts				-
Accounts Receivable				-
Total	**-**	**-**	**-**	**-**
Increase/(decrease) from prior year	*(231,998.40)*	*(17,940.00)*	*(16,081.56)*	*(266,019.96)*

2022 CERTIFICATION

Original Letters Sent 9/2/22

Number of UB Accts: 1080
Number of Accounts Increased from 2021: 108
Percentage of Accounts Increased from 2021: 10.00%

	Amount Delinquent	Admin Fee ($30/acct)	Interest (5.50%)	Total Subject to Certification
Utility Accounts	340,166.02	32,370.00	23,579.05	396,115.07
Accounts Receivable	12,612.50	390.00	874.27	13,876.77
Total	**352,778.52**	**32,760.00**	**24,453.32**	**409,991.84**

Public Hearing Update 9/27/22

Number of UB Accts: 846
Number of UB Accounts Brought Current Since Letters: 234
Percentage of UB Accounts Brought Current Since Letters: 21.67%

	Amount Delinquent	Admin Fee ($30/acct)	Interest (5.50%)	Total Subject to Certification
Utility Accounts	291,318.97	25,380.00	20,193.33	336,892.30
Accounts Receivable	12,612.50	390.00	874.27	13,876.77
Total	**303,931.47**	**25,770.00**	**21,067.60**	**350,769.07**

Final Certification - Post 11/15/22

Number of UB Accts: 591
Number of UB Accounts Brought Current Since Letters: 489
Percentage of UB Accounts Brought Current Since Letters: 45.28%

	Amount Delinquent	Admin Fee ($30/acct)	Interest (5.50%)	Total Subject to Certification
Utility Accounts	219,710.90	17,580.00	15,229.82	252,520.72
Accounts Receivable	12,287.50	360.00	851.74	13,499.24
Total	**231,998.40**	**17,940.00**	**16,081.56**	**266,019.96**
Increase/(decrease) from prior year	*67,329.51*	*2,940.00*	*4,667.53*	*74,937.04*

2021 CERTIFICATION

Original Letters Sent 9/3/21

Number of UB Accts: 972
Number of Accounts Increased from 2020: (10)
Percentage of Accounts Increased from 2020: -1.03%

	Amount Delinquent	Admin Fee ($30/acct)	Interest (5.50%)	Total Subject to Certification
Utility Accounts	270,446.92	29,160.00	18,746.17	318,353.09
Accounts Receivable	11,758.75	300.00	815.07	12,873.82
Total	**282,205.67**	**29,460.00**	**19,561.24**	**331,226.91**

Public Hearing Update 9/28/21

Number of UB Accts: 747
Number of UB Accounts Brought Current Since Letters: 225
Percentage of UB Accounts Brought Current Since Letters: 23.15%

	Amount Delinquent	Admin Fee ($30/acct)	Interest (5.50%)	Total Subject to Certification
Utility Accounts	230,883.27	22,410.00	16,003.66	269,296.93
Accounts Receivable	10,858.75	300.00	752.68	11,911.43
Total	**241,742.02**	**22,710.00**	**16,756.34**	**281,208.36**

Final Certification - Post 11/15/21

Number of UB Accts: 493
Number of UB Accounts Brought Current Since Letters: 479
Percentage of UB Accounts Brought Current Since Letters: 49.28%

	Amount Delinquent	Admin Fee ($30/acct)	Interest (5.50%)	Total Subject to Certification
Utility Accounts	153,810.14	14,790.00	10,661.35	179,261.49
Accounts Receivable	10,858.75	210.00	752.68	11,821.43
Total	**164,668.89**	**15,000.00**	**11,414.03**	**191,082.92**
Increase/(decrease) from prior year	*2,127.94*	*30.00*	*24.64*	*2,182.58*

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
727457	Property Owner	City Services	13640 HEMATITE CIR NW,	1,558.54	35.00	118.11	1,711.65
730580	Property Owner	City Services	13671 Garnet St Nw,	755.77	35.00	57.27	848.04
718944	Property Owner	City Services	13881 IRONSTONE TRL NW,	703.08	35.00	53.28	791.36
728461	Property Owner	City Services	13892 Ironstone Trl Nw,	632.79	35.00	47.95	715.74
726447	Property Owner	City Services	13895 Ironstone Trl Nw,	451.54	35.00	34.22	520.76
730647	Property Owner	City Services	13899 Ironstone Trl Nw,	725.89	35.00	55.01	815.90
727220	Property Owner	City Services	13903 IRONSTONE TRL NW,	399.86	35.00	30.30	465.16
731592	Property Owner	City Services	13919 Garnet Ter Nw,	88.03	35.00	6.67	129.70
732056	Property Owner	City Services	13919 Ironstone Ter Nw,	768.21	35.00	58.22	861.43
726171	Property Owner	City Services	13923 Ironstone Ter Nw,	703.08	35.00	53.28	791.36
727170	Property Owner	City Services	13927 Garnet Ter Nw,	68.40	35.00	5.18	108.58
729512	Property Owner	City Services	13927 Ironstone Ter Nw,	21.75	35.00	1.65	58.40
728770	Property Owner	City Services	13942 Ironstone Ter Nw,	179.20	35.00	13.58	227.78
728253	Property Owner	City Services	13946 Ironstone Ter Nw,	703.08	35.00	53.28	791.36
719366	Property Owner	City Services	14021 MAGNESIUM ST NW,	128.76	35.00	9.76	173.52
726780	Property Owner	City Services	14024 DYSPROSIUM ST NW,	663.44	35.00	50.28	748.72
728523	Property Owner	City Services	14044 DYSPROSIUM ST NW,	165.86	35.00	12.57	213.43
722667	Property Owner	City Services	14051 Fluorine St Nw,	64.38	35.00	4.88	104.26
724013	Property Owner	City Services	14058 DYSPROSIUM ST NW,	663.44	35.00	50.28	748.72
732089	Property Owner	City Services	14060 GERMANIUM ST NW,	29.26	35.00	2.22	66.48
461530292	Property Owner	City Services	14100 GERMANIUM ST,	128.76	35.00	9.76	173.52
32722309	Property Owner	City Services	14100 IODINE ST NW,	30.28	35.00	2.29	67.57
706220224	Property Owner	City Services	14101 ST FRANCIS BLVD NW,	1,685.64	35.00	127.74	1,848.38
734567	Property Owner	City Services	14101 ST FRANCIS BLVD NW,	42.92	35.00	3.25	81.17
682035500	Property Owner	City Services	14119 BARIUM ST NW,	165.86	35.00	12.57	213.43
724680	Property Owner	City Services	14120 JUNKITE ST NW,	128.76	35.00	9.76	173.52
721123	Property Owner	City Services	14121 Germanium St Nw,	32.19	35.00	2.44	69.63
732569	Property Owner	City Services	14128 ARGON ST NW,	362.94	35.00	27.50	425.44
616598	Property Owner	City Services	14143 ARGON ST NW,	551.70	35.00	41.81	628.51
644258397	Property Owner	City Services	14150 DYSPROSIUM ST NW,	1,048.44	35.00	79.45	1,162.89
727071	Property Owner	City Services	14150 MAGNESIUM ST NW,	232.92	35.00	17.65	285.57
731245	Property Owner	City Services	14157 COBALT CIR NW,	663.44	35.00	50.28	748.72
32682305	Property Owner	City Services	14160 JUNKITE ST NW,	131.69	35.00	9.98	176.67
495635343	Property Owner	City Services	14168 ARGON ST NW,	263.44	35.00	19.96	318.40
729795	Property Owner	City Services	14173 ARGON ST NW,	165.86	35.00	12.57	213.43
731298	Property Owner	City Services	14175 BARIUM ST NW,	331.72	35.00	25.14	391.86
728041	Property Owner	City Services	14177 NEON ST NW,	703.08	35.00	53.28	791.36
729831	Property Owner	City Services	14180 VANADIUM ST NW,	175.77	35.00	13.32	224.09
734188	Property Owner	City Services	14180 Xenon St Nw, Unit 14	451.40	35.00	34.21	520.61

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
734160	Property Owner	City Services	14180 Xenon St Nw, Unit 14	34.70	35.00	2.63	72.33
732364	Property Owner	City Services	14183 ARGON ST NW,	663.44	35.00	50.28	748.72
676319625	Property Owner	City Services	14183 BARIUM ST NW,	367.55	35.00	27.85	430.40
728947	Property Owner	City Services	14183 NEON ST NW,	548.75	35.00	41.58	625.33
731256	Property Owner	City Services	14190 VANADIUM ST NW,	88.57	35.00	6.71	130.28
734222	Property Owner	City Services	14190 Xenon St Nw, Unit 2	175.77	35.00	13.32	224.09
730485	Property Owner	City Services	14200 WACO ST NW,	984.56	35.00	74.61	1,094.17
714596885	Property Owner	City Services	14200 XENON ST, UNIT 2	791.00	35.00	59.94	885.94
726470	Property Owner	City Services	14200 Xenon St Nw, Unit 14	175.77	35.00	13.32	224.09
732948	Property Owner	City Services	14201 Xenon St Nw, Unit 19	175.77	35.00	13.32	224.09
733043	Property Owner	City Services	14210 XENON ST NW, UNIT 4	1,042.88	35.00	79.03	1,156.91
730456	Property Owner	City Services	14210 XENON ST NW, UNIT 6	331.72	35.00	25.14	391.86
705353699	Property Owner	City Services	14211 VANADIUM ST NW,	836.56	35.00	63.40	934.96
733821	Property Owner	City Services	14211 Xenon St Nw, Unit 19	928.72	35.00	70.38	1,034.10
726673	Property Owner	City Services	14211 Xenon St Nw, Unit 15	663.44	35.00	50.28	748.72
647899061	Property Owner	City Services	14211 Xenon St Nw, Unit 11	153.89	35.00	11.66	200.55
640142287	Property Owner	City Services	14217 XKIMO ST NW,	719.36	35.00	54.51	808.87
720731	Property Owner	City Services	14220 DYSPROSIUM ST NW,	663.44	35.00	50.28	748.72
684533122	Property Owner	City Services	14220 Fluorine St Nw,	32.19	35.00	2.44	69.63
714419068	Property Owner	City Services	14221 Xenon St Nw, Unit 11	703.08	35.00	53.28	791.36
724902	Property Owner	City Services	14231 Fluorine St Nw,	32.19	35.00	2.44	69.63
733205	Property Owner	City Services	14231 Uranium St Nw,	828.00	35.00	62.75	925.75
729894	Property Owner	City Services	14233 XKIMO ST NW,	1,088.08	35.00	82.46	1,205.54
726011	Property Owner	City Services	14240 URANIUM ST NW,	648.73	35.00	49.16	732.89
734046	Property Owner	City Services	14261 WOLFRAM ST NW,	720.94	35.00	54.63	810.57
731050	Property Owner	City Services	14263 ARGON ST NW,	513.38	35.00	38.90	587.28
725293	Property Owner	City Services	14264 WACO ST NW,	754.00	35.00	57.14	846.14
612064330	Property Owner	City Services	14271 ARGON ST NW,	231.72	35.00	17.56	284.28
664650189	Property Owner	City Services	14281 XKIMO ST NW,	703.08	35.00	53.28	791.36
655531873	Property Owner	City Services	14292 TUNGSTEN WAY NW,	729.13	35.00	55.25	819.38
728593	Property Owner	City Services	14304 WACO ST NW,	497.58	35.00	37.71	570.29
734154	Property Owner	City Services	14320 TUNGSTEN ST NW,	175.77	35.00	13.32	224.09
15601245	Property Owner	City Services	14330 TUNGSTEN ST NW,	712.86	35.00	54.02	801.88
725300	Property Owner	City Services	14335 TUNGSTEN ST NW,	778.18	35.00	58.97	872.15
12661013	Property Owner	City Services	14340 TUNGSTEN ST NW,	791.01	35.00	59.94	885.95
731434	Property Owner	City Services	14341 BOWERS DR NW,	64.38	35.00	4.88	104.26
734528	Property Owner	City Services	14351 BOWERS DR NW,	40.21	35.00	3.05	78.26
724349	Property Owner	City Services	14361 POTASSIUM ST NW,	1,053.18	35.00	79.81	1,167.99
665908786	Property Owner	City Services	14400 Iodine St Nw,	1,269.76	35.00	96.22	1,400.98

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
731905	Property Owner	City Services	14400 QUICKSILVER ST NW,	703.08	35.00	53.28	791.36
730835	Property Owner	City Services	14401 Armstrong Blvd Nw,	64.38	35.00	4.88	104.26
721721	Property Owner	City Services	14401 TUNGSTEN WAY NW,	164.97	35.00	12.50	212.47
727284	Property Owner	City Services	14403 IODINE ST NW, UNIT 25	147.80	35.00	11.20	194.00
483466061	Property Owner	City Services	14411 RADIUM ST NW,	755.28	35.00	57.24	847.52
668134792	Property Owner	City Services	14412 IODINE ST NW,	857.61	35.00	64.99	957.60
721266	Property Owner	City Services	14412 TUNGSTEN WAY NW,	519.91	35.00	39.40	594.31
616388828	Property Owner	City Services	14420 FLUORINE CT NW,	663.71	35.00	50.30	749.01
730625	Property Owner	City Services	14420 RADIUM ST NW,	733.66	35.00	55.60	824.26
724926	Property Owner	City Services	14431 Iodine St ,	351.54	35.00	26.64	413.18
727101	Property Owner	City Services	14433 Iodine St Nw,	771.57	35.00	58.47	865.04
676758360	Property Owner	City Services	14440 Quicksilver St Nw,	426.93	35.00	32.35	494.28
729870	Property Owner	City Services	14450 RHINESTONE ST NW,	9,407.26	35.00	712.89	10,155.15
734611	Property Owner	City Services	14452 SNOWY OWL STREET NW,	90.55	35.00	6.86	132.41
669365819	Property Owner	City Services	14491 Iodine St ,	195.27	35.00	14.80	245.07
458263652	Property Owner	City Services	14532 Krypton St Nw,	399.18	35.00	30.25	464.43
721315	Property Owner	City Services	14540 Bowers Dr Nw,	32.19	35.00	2.44	69.63
726033	Property Owner	City Services	14550 IODINE ST NW,	895.91	35.00	67.89	998.80
634053276	Property Owner	City Services	14553 Bowers Dr Nw,	128.76	35.00	9.76	173.52
696276819	Property Owner	City Services	14561 Olivine Way Nw,	168.40	35.00	12.76	216.16
722933	Property Owner	City Services	14568 WACO ST NW,	719.10	35.00	54.49	808.59
729492	Property Owner	City Services	14571 Helium Ct Nw,	1,209.09	35.00	91.63	1,335.72
74806299	Property Owner	City Services	14574 Krypton St Nw,	21.21	35.00	1.61	57.82
732007	Property Owner	City Services	14585 Olivine Ter Nw,	703.08	35.00	53.28	791.36
730795	Property Owner	City Services	14590 Bowers Dr Nw,	128.76	35.00	9.76	173.52
725452	Property Owner	City Services	14591 Olivine Ter Nw,	275.63	35.00	20.89	331.52
733246	Property Owner	City Services	14591 PERIDOT ST NW,	703.08	35.00	53.28	791.36
730729	Property Owner	City Services	14596 OLIVINE TER NW,	168.40	35.00	12.76	216.16
688161710	Property Owner	City Services	14600 NEON ST NW,	517.60	35.00	39.22	591.82
730250	Property Owner	City Services	14604 OLIVINE ST NW,	703.08	35.00	53.28	791.36
704292051	Property Owner	City Services	14617 Olivine St Nw,	351.54	35.00	26.64	413.18
731786	Property Owner	City Services	14617 RHINESTONE ST NW,	527.31	35.00	39.96	602.27
723889	Property Owner	City Services	14620 NEON ST NW,	461.72	35.00	34.99	531.71
728027	Property Owner	City Services	14624 IODINE CT NW,	44.62	35.00	3.38	83.00
733532	Property Owner	City Services	14629 PERIDOT ST NW,	703.08	35.00	53.28	791.36
718613	Property Owner	City Services	14635 SODIUM ST NW,	1,471.89	35.00	111.54	1,618.43
731180	Property Owner	City Services	14640 HEMATITE ST NW,	703.08	35.00	53.28	791.36
728714	Property Owner	City Services	14643 HELIUM ST NW,	722.62	35.00	54.76	812.38
733126	Property Owner	City Services	14643 Rhinestone Way ,	168.40	35.00	12.76	216.16

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
730334	Property Owner	City Services	14644 RHINESTONE ST NW,	168.40	35.00	12.76	216.16
729126	Property Owner	City Services	14646 Rhinestone Way ,	168.40	35.00	12.76	216.16
730557	Property Owner	City Services	14648 Sapphire Ln ,	126.30	35.00	9.57	170.87
732987	Property Owner	City Services	14651 Fluorine St Nw,	175.77	35.00	13.32	224.09
731205	Property Owner	City Services	14656 ARGON ST NW,	703.08	35.00	53.28	791.36
727218	Property Owner	City Services	14660 Cobalt St Nw, Unit 28	168.40	35.00	12.76	216.16
734374	Property Owner	City Services	14660 Cobalt St Nw, Unit 12	42.10	35.00	3.19	80.29
715045798	Property Owner	City Services	14660 Rhinestone St Nw,	42.10	35.00	3.19	80.29
733220	Property Owner	City Services	14661 COBALT ST NW, UNIT 51	168.40	35.00	12.76	216.16
730029	Property Owner	City Services	14666 SODIUM ST NW,	335.79	35.00	25.45	396.24
730422	Property Owner	City Services	14670 SODIUM ST NW,	703.08	35.00	53.28	791.36
671156957	Property Owner	City Services	14671 ARGON ST NW,	719.37	35.00	54.51	808.88
725134	Property Owner	City Services	14671 HELIUM ST NW,	703.08	35.00	53.28	791.36
730464	Property Owner	City Services	14688 SODIUM ST NW,	150.54	35.00	11.41	196.95
718932	Property Owner	City Services	14689 SODIUM ST NW,	366.44	35.00	27.77	429.21
728633	Property Owner	City Services	14690 HEMATITE ST NW,	933.60	35.00	70.75	1,039.35
686401827	Property Owner	City Services	14690 Sodium St Nw,	221.75	35.00	16.80	273.55
732841	Property Owner	City Services	14700 Cobalt St Nw, Unit 44	84.20	35.00	6.38	125.58
724786	Property Owner	City Services	14700 Fluorine St Nw,	703.08	35.00	53.28	791.36
731699	Property Owner	City Services	14700 HELIUM ST NW,	775.90	35.00	58.80	869.70
722353	Property Owner	City Services	14705 QUICKSILVER ST,	1,088.08	35.00	82.46	1,205.54
383361	Property Owner	City Services	14715 HELIUM ST NW,	691.75	35.00	52.42	779.17
733757	Property Owner	City Services	14720 ERKIUM ST NW,	373.54	35.00	28.31	436.85
719752	Property Owner	City Services	14721 Potassium St Nw,	1,108.65	35.00	84.01	1,227.66
727415	Property Owner	City Services	14729 Krypton St Nw,	1,009.22	35.00	76.48	1,120.70
733797	Property Owner	City Services	14735 Olivine St ,	179.95	35.00	13.64	228.59
725736	Property Owner	City Services	14750 POTASSIUM ST NW,	728.37	35.00	55.20	818.57
734269	Property Owner	City Services	14751 Olivine St Nw,	22.30	35.00	1.69	58.99
613511633	Property Owner	City Services	14751 XKIMO ST NW,	818.46	35.00	62.02	915.48
727920	Property Owner	City Services	14760 ARGON ST NW,	55.41	35.00	4.20	94.61
62505261	Property Owner	City Services	14760 Bowers Dr Nw,	128.76	35.00	9.76	173.52
650528156	Property Owner	City Services	14760 Potassium St Nw,	2,009.72	35.00	152.30	2,197.02
722421	Property Owner	City Services	14761 Cobalt St Nw, Unit 19	168.40	35.00	12.76	216.16
727099	Property Owner	City Services	14761 Cobalt St Nw, Unit 11	168.40	35.00	12.76	216.16
726413	Property Owner	City Services	14761 Cobalt St Nw, Unit 47	84.20	35.00	6.38	125.58
734185	Property Owner	City Services	14763 Peridot St ,	42.10	35.00	3.19	80.29
726130	Property Owner	City Services	14765 Nowthen Blvd Nw,	128.76	35.00	9.76	173.52
729258	Property Owner	City Services	14765 Peridot St ,	126.30	35.00	9.57	170.87
615416800	Property Owner	City Services	14767 Kamacite St Nw,	218.52	35.00	16.56	270.08

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
925859	Property Owner	City Services	14771 FLUORINE ST NW,	1,088.08	35.00	82.46	1,205.54
729282	Property Owner	City Services	14774 ZEOLITE ST NW,	1,509.08	35.00	114.36	1,658.44
718377	Property Owner	City Services	14777 XKIMO ST NW,	1,403.62	35.00	106.37	1,544.99
734206	Property Owner	City Services	14780 Fluorine St Nw,	26.96	35.00	2.04	64.00
734013	Property Owner	City Services	14781 GERMANIUM ST NW,	473.62	35.00	35.89	544.51
734123	Property Owner	City Services	14782 ZEOLITE ST NW,	585.33	35.00	44.36	664.69
720866	Property Owner	City Services	14791 Cobalt St Nw, Ste 19	168.40	35.00	12.76	216.16
727194	Property Owner	City Services	14800 Krypton Ct Nw,	885.64	35.00	67.11	987.75
732532	Property Owner	City Services	14800 WILLEMITE ST NW,	703.08	35.00	53.28	791.36
733300	Property Owner	City Services	14804 WILLEMITE ST NW,	527.31	35.00	39.96	602.27
734571	Property Owner	City Services	14806 WACO ST NW,	64.45	35.00	4.88	104.33
711883828	Property Owner	City Services	14823-14839 OLIVINE ST,	1,476.56	35.00	111.89	1,623.45
732717	Property Owner	City Services	14835 Peridot St Nw,	1,221.30	35.00	92.55	1,348.85
733856	Property Owner	City Services	14838 WILLEMITE WAY NW,	358.06	35.00	27.13	420.19
718888	Property Owner	City Services	14842 OLIVINE ST NW,	714.96	35.00	54.18	804.14
733404	Property Owner	City Services	14843 PERIDOT ST NW,	252.98	35.00	19.17	307.15
923794	Property Owner	City Services	14851 GERMANIUM ST NW,	179.03	35.00	13.57	227.60
733938	Property Owner	City Services	14851 OLIVINE ST NW,	54.82	35.00	4.15	93.97
721662	Property Owner	City Services	14860 OLIVINE ST NW,	232.10	35.00	17.59	284.69
719881	Property Owner	City Services	14866 OLIVINE ST NW,	1,189.12	35.00	90.11	1,314.23
731874	Property Owner	City Services	14873 YAKIMA ST NW,	331.72	35.00	25.14	391.86
731118	Property Owner	City Services	14878 OLIVINE ST NW,	543.29	35.00	41.17	619.46
1321918	Property Owner	City Services	14880 ZUNI ST NW,	1,144.46	35.00	86.73	1,266.19
730952	Property Owner	City Services	14881 OLIVINE ST NW,	703.08	35.00	53.28	791.36
719178	Property Owner	City Services	14888 PERIDOT ST NW,	201.82	35.00	15.29	252.11
495535769	Property Owner	City Services	14900 Kamacite St Nw,	128.76	35.00	9.76	173.52
734400	Property Owner	City Services	14920 Chameleon St Nw,	73.11	35.00	5.54	113.65
732513	Property Owner	City Services	14940 XKIMO ST NW,	569.84	35.00	43.18	648.02
730424	Property Owner	City Services	14941 SNOWY OWL STREET NW,	654.56	35.00	49.60	739.16
479839440	Property Owner	City Services	14950 PERIDOT ST NW,	128.76	35.00	9.76	173.52
483753338	Property Owner	City Services	14950 ZUNI ST NW,	703.08	35.00	53.28	791.36
731681	Property Owner	City Services	14960 XKIMO ST NW,	251.78	35.00	19.08	305.86
730119	Property Owner	City Services	14961 SNOWY OWL STREET NW,	175.77	35.00	13.32	224.09
731295	Property Owner	City Services	14967 TIGER ST NW,	175.77	35.00	13.32	224.09
723064	Property Owner	City Services	14971 WACO ST NW,	570.34	35.00	43.22	648.56
730905	Property Owner	City Services	14983 SNOWY OWL STREET NW,	437.27	35.00	33.14	505.41
383470283	Property Owner	City Services	14991 WACO ST NW,	1,205.05	35.00	91.32	1,331.37
730781	Property Owner	City Services	14994 SNOWY OWL STREET NW,	669.83	35.00	50.76	755.59
732323	Property Owner	City Services	14996 QUINTANA STREET NW,	895.65	35.00	67.87	998.52

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
733625	Property Owner	City Services	15000 Chameleon St Nw,	128.76	35.00	9.76	173.52
722362	Property Owner	City Services	15000 Garnet St Nw,	96.57	35.00	7.32	138.89
724692	Property Owner	City Services	15000 Hematite St Nw,	128.76	35.00	9.76	173.52
56114628	Property Owner	City Services	15001 Bison St Nw,	128.76	35.00	9.76	173.52
724961	Property Owner	City Services	15001 Hematite St Nw,	67.31	35.00	5.10	107.41
721043	Property Owner	City Services	15010 Kamacite St Nw,	128.76	35.00	9.76	173.52
731251	Property Owner	City Services	15023 SNOWY OWL STREET NW,	251.54	35.00	19.06	305.60
731694	Property Owner	City Services	15030 Willemite St Nw,	128.76	35.00	9.76	173.52
731426	Property Owner	City Services	15031 SNOWY OWL STREET NW,	1,172.13	35.00	88.82	1,295.95
732360	Property Owner	City Services	15035 QUINTANA STREET NW,	351.54	35.00	26.64	413.18
722247	Property Owner	City Services	15040 Uranimite St Nw,	128.76	35.00	9.76	173.52
731019	Property Owner	City Services	15040 Willemite St Nw,	128.76	35.00	9.76	173.52
731768	Property Owner	City Services	15040 Yakima St Nw,	128.76	35.00	9.76	173.52
724886	Property Owner	City Services	15041 Juniper Ridge Dr Nw,	64.38	35.00	4.88	104.26
730865	Property Owner	City Services	15059 Limonite St Nw,	128.76	35.00	9.76	173.52
56044621	Property Owner	City Services	15061 Willemite St Nw,	128.76	35.00	9.76	173.52
721504	Property Owner	City Services	15067 Yakima St Nw,	82.33	35.00	6.24	123.57
676015703	Property Owner	City Services	15107 Ramsey Blvd Nw,	128.76	35.00	9.76	173.52
733293	Property Owner	City Services	15110 Garnet St Nw,	64.38	35.00	4.88	104.26
55544571	Property Owner	City Services	15110 Willemite St Nw,	32.19	35.00	2.44	69.63
732207	Property Owner	City Services	15111 SODIUM ST NW,	287.07	35.00	21.75	343.82
422874913	Property Owner	City Services	15111 TONTO ST NW,	751.93	35.00	56.98	843.91
724358	Property Owner	City Services	15111 Waco St Nw,	128.76	35.00	9.76	173.52
648784012	Property Owner	City Services	15119 Zuni St Nw,	128.76	35.00	9.76	173.52
69275939	Property Owner	City Services	15120 Kangaroo St Nw,	128.76	35.00	9.76	173.52
721739	Property Owner	City Services	15121 UTE ST NW,	388.09	35.00	29.41	452.50
482232058	Property Owner	City Services	15122 Zuni St Nw,	128.76	35.00	9.76	173.52
729747	Property Owner	City Services	15130 Kangaroo St Nw,	96.57	35.00	7.32	138.89
733389	Property Owner	City Services	15137 TIGER STREET NW,	376.63	35.00	28.54	440.17
725168	Property Owner	City Services	15137 Yakima St Nw,	128.76	35.00	9.76	173.52
725519	Property Owner	City Services	15140 Uranimite St Nw,	63.98	35.00	4.85	103.83
727353	Property Owner	City Services	15143 HELIUM ST NW,	745.61	35.00	56.50	837.11
731432	Property Owner	City Services	15150 Jackel St Nw,	96.57	35.00	7.32	138.89
725007	Property Owner	City Services	15150 Kangaroo St Nw,	64.38	35.00	4.88	104.26
733580	Property Owner	City Services	15153 WOLVERINE ST NW,	69.55	35.00	5.27	109.82
732703	Property Owner	City Services	15158 SNOWY OWL STREET NW,	351.54	35.00	26.64	413.18
724457	Property Owner	City Services	15160 Yakima St Nw,	32.19	35.00	2.44	69.63
733753	Property Owner	City Services	15166 TIGER STREET NW,	351.54	35.00	26.64	413.18
733358	Property Owner	City Services	15172 WOLVERINE ST NW,	2,306.89	35.00	174.82	2,516.71

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732221	Property Owner	City Services	15175 QUINTANA COURT NW,	745.42	35.00	56.49	836.91
732400	Property Owner	City Services	15183 QUINTANA COURT NW,	153.08	35.00	11.60	199.68
726189	Property Owner	City Services	15191 UTE ST NW,	213.44	35.00	16.17	264.61
496329287	Property Owner	City Services	15200 Germanium St Nw,	970.59	35.00	73.55	1,079.14
681415286	Property Owner	City Services	15200 UTE ST NW,	883.44	35.00	66.95	985.39
725566	Property Owner	City Services	15200 Willemite St Nw,	128.76	35.00	9.76	173.52
731507	Property Owner	City Services	15201 BARIUM ST NW,	156.96	35.00	11.89	203.85
733052	Property Owner	City Services	15208 SNOWY OWL STREET NW,	1,411.67	35.00	106.98	1,553.65
728547	Property Owner	City Services	15210 SODIUM ST NW,	1,063.49	35.00	80.59	1,179.08
492588120	Property Owner	City Services	15211 URANIUM ST NW,	709.60	35.00	53.77	798.37
720660	Property Owner	City Services	15211 Waco St Nw,	96.57	35.00	7.32	138.89
726036	Property Owner	City Services	15212 Zuni St Nw,	96.57	35.00	7.32	138.89
733506	Property Owner	City Services	15213 TIGER STREET NW,	626.38	35.00	47.47	708.85
732589	Property Owner	City Services	15215 QUINTANA COURT NW,	716.42	35.00	54.29	805.71
732094	Property Owner	City Services	15220 BARIUM ST NW,	195.61	35.00	14.82	245.43
729296	Property Owner	City Services	15220 TONTO ST NW,	703.08	35.00	53.28	791.36
720057	Property Owner	City Services	15220 Waco St Nw,	32.19	35.00	2.44	69.63
731399	Property Owner	City Services	15221 Iguana St Nw,	96.57	35.00	7.32	138.89
733235	Property Owner	City Services	15225 TIGER STREET NW,	540.06	35.00	40.93	615.99
645477066	Property Owner	City Services	15230 Uranimite St Nw,	128.76	35.00	9.76	173.52
722492	Property Owner	City Services	15231 HELIUM ST NW,	374.06	35.00	28.35	437.41
53174334	Property Owner	City Services	15231 Kangaroo St Nw,	128.76	35.00	9.76	173.52
486589948	Property Owner	City Services	15231 Waco St Nw,	128.76	35.00	9.76	173.52
729102	Property Owner	City Services	15236 Germanium Cir Nw,	722.64	35.00	54.76	812.40
733831	Property Owner	City Services	15236 TIGER STREET NW,	769.77	35.00	58.33	863.10
729294	Property Owner	City Services	15240 Germanium St Nw,	1,018.60	35.00	77.19	1,130.79
730766	Property Owner	City Services	15241 Iguana St Nw,	128.76	35.00	9.76	173.52
727192	Property Owner	City Services	15241 KRYPTON TER NW,	175.77	35.00	13.32	224.09
723637	Property Owner	City Services	15245 GERMANIUM CIR NW,	481.96	35.00	36.52	553.48
733800	Property Owner	City Services	15250 TIGER STREET NW,	1,571.04	35.00	119.05	1,725.09
734167	Property Owner	City Services	15252 FLUORINE ST NW,	457.48	35.00	34.67	527.15
729550	Property Owner	City Services	15253 FLUORINE ST NW,	55.18	35.00	4.18	94.36
734155	Property Owner	City Services	15255 TIGER STREET NW,	496.02	35.00	37.59	568.61
651233738	Property Owner	City Services	15256 Garnet St Nw,	64.38	35.00	4.88	104.26
733922	Property Owner	City Services	15257 QUINTANA COURT NW,	631.32	35.00	47.84	714.16
734542	Property Owner	City Services	15261 Fluorine St Nw,	123.28	35.00	9.34	167.62
732086	Property Owner	City Services	15265 Fluorine St Nw,	98.40	35.00	7.46	140.86
733478	Property Owner	City Services	15267 Fluorine St Nw,	703.08	35.00	53.28	791.36
733830	Property Owner	City Services	15271 GERMANIUM ST NW,	416.76	35.00	31.58	483.34

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729128	Property Owner	City Services	15290 SODIUM ST NW,	367.83	35.00	27.87	430.70
701128448	Property Owner	City Services	15290 URANIUM ST NW,	77.69	35.00	5.89	118.58
703426665	Property Owner	City Services	15291 URANIUM ST NW,	747.69	35.00	56.66	839.35
726117	Property Owner	City Services	15300 MARMOSET ST NW,	64.38	35.00	4.88	104.26
732924	Property Owner	City Services	15305 IODINE ST NW,	527.31	35.00	39.96	602.27
720924	Property Owner	City Services	15310 XKIMO ST NW,	175.77	35.00	13.32	224.09
719220	Property Owner	City Services	15310 Zirconium St Nw,	128.76	35.00	9.76	173.52
719685	Property Owner	City Services	15311 Okapi St Nw,	128.76	35.00	9.76	173.52
681050968	Property Owner	City Services	15311 YAKIMA ST NW,	851.21	35.00	64.51	950.72
734171	Property Owner	City Services	15320 Radium Way Nw,	463.26	35.00	35.11	533.37
728185	Property Owner	City Services	15320 WACO CT NW,	1,144.36	35.00	86.72	1,266.08
56774694	Property Owner	City Services	15321 Hematite St Nw,	96.57	35.00	7.32	138.89
727499	Property Owner	City Services	15330 Marmoset St Nw,	96.57	35.00	7.32	138.89
636283628	Property Owner	City Services	15331 WACO CT NW,	1,097.67	35.00	83.18	1,215.85
631331981	Property Owner	City Services	15333 Barium St Nw,	96.57	35.00	7.32	138.89
726338	Property Owner	City Services	15340 Jackel St Nw,	32.19	35.00	2.44	69.63
733727	Property Owner	City Services	15340 Kangaroo St Nw,	32.19	35.00	2.44	69.63
728536	Property Owner	City Services	15340 RADIUM WAY,	47.31	35.00	3.59	85.90
733311	Property Owner	City Services	15341 Okapi St Nw,	128.76	35.00	9.76	173.52
732881	Property Owner	City Services	15355 Eland St Nw,	128.76	35.00	9.76	173.52
734218	Property Owner	City Services	15359 RADIUM ST NW,	472.90	35.00	35.84	543.74
733813	Property Owner	City Services	15359 RADIUM ST NW,	67.43	35.00	5.11	107.54
483574031	Property Owner	City Services	15360 Krypton St Nw,	198.88	35.00	15.07	248.95
728280	Property Owner	City Services	15376 VANADIUM ST NW,	953.45	35.00	72.25	1,060.70
732319	Property Owner	City Services	15385 Armstrong Blvd Nw,	96.57	35.00	7.32	138.89
673670027	Property Owner	City Services	15386 KRYPTON ST NW,	1,269.97	35.00	96.24	1,401.21
686625214	Property Owner	City Services	15386 VANADIUM ST NW,	809.19	35.00	61.32	905.51
725372	Property Owner	City Services	15390 Germanium St Nw,	703.08	35.00	53.28	791.36
734564	Property Owner	City Services	15392 RADIUM ST NW,	123.28	35.00	9.34	167.62
718302	Property Owner	City Services	15396 VANADIUM ST NW,	727.97	35.00	55.17	818.14
733496	Property Owner	City Services	15398 RADIUM ST NW,	703.08	35.00	53.28	791.36
732106	Property Owner	City Services	15403 Germanium St Nw,	145.21	35.00	11.00	191.21
723870	Property Owner	City Services	15404 GERMANIUM ST NW,	853.45	35.00	64.68	953.13
721849	Property Owner	City Services	15410 Kangaroo St Nw,	128.76	35.00	9.76	173.52
732518	Property Owner	City Services	15419 RADIUM ST NW,	175.77	35.00	13.32	224.09
727360	Property Owner	City Services	15421 Kangaroo St Nw,	128.76	35.00	9.76	173.52
660608352	Property Owner	City Services	15421 Nutria St Nw,	128.76	35.00	9.76	173.52
724180	Property Owner	City Services	15423 IODINE ST NW,	1,111.86	35.00	84.26	1,231.12
724385	Property Owner	City Services	15429 Iodine St Nw,	735.66	35.00	55.75	826.41

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58454863	Property Owner	City Services	15429 Ramsey Blvd Nw,	35.12	35.00	2.66	72.78
688986875	Property Owner	City Services	15430 RADIUM ST NW,	703.08	35.00	53.28	791.36
719113	Property Owner	City Services	15431 Iguana St Nw,	128.76	35.00	9.76	173.52
733653	Property Owner	City Services	15431 RADIUM ST NW,	90.38	35.00	6.85	132.23
730683	Property Owner	City Services	15435 Iodine St Nw,	712.85	35.00	54.02	801.87
734660	Property Owner	City Services	15443 Ramsey Blvd Nw,	85.08	35.00	6.45	126.53
732372	Property Owner	City Services	15443 Ramsey Blvd Nw,	51.70	35.00	3.92	90.62
733410	Property Owner	City Services	15453 RADIUM ST NW,	703.08	35.00	53.28	791.36
634668003	Property Owner	City Services	15460 YAKIMA ST NW,	561.79	35.00	42.57	639.36
730212	Property Owner	City Services	15466 IODINE TERRACE NW,	307.46	35.00	23.30	365.76
723757	Property Owner	City Services	15469 RADIUM ST NW,	722.63	35.00	54.76	812.39
725327	Property Owner	City Services	15473 RADIUM ST NW,	703.08	35.00	53.28	791.36
487939989	Property Owner	City Services	15480 YAKIMA CT NW,	175.77	35.00	13.32	224.09
733508	Property Owner	City Services	15481 YAKIMA CT,	730.44	35.00	55.35	820.79
732871	Property Owner	City Services	15484 TUNGSTEN ST NW,	703.08	35.00	53.28	791.36
724305	Property Owner	City Services	15490 XKIMO ST,	1,342.20	35.00	101.71	1,478.91
732425	Property Owner	City Services	15492 IODINE STREET NW,	188.80	35.00	14.31	238.11
722236	Property Owner	City Services	15505 Ramsey Blvd Nw,	128.76	35.00	9.76	173.52
703795813	Property Owner	City Services	15510 Dolomite St Nw,	32.19	35.00	2.44	69.63
718800	Property Owner	City Services	15511 Coquina St Nw,	128.76	35.00	9.76	173.52
722409	Property Owner	City Services	15517 SODIUM ST,	469.06	35.00	35.55	539.61
734511	Property Owner	City Services	15525 SODIUM WAY NW,	175.77	35.00	13.32	224.09
732600	Property Owner	City Services	15535 SODIUM WAY NW,	333.79	35.00	25.29	394.08
674018518	Property Owner	City Services	15539 Iodine Ct Nw,	818.53	35.00	62.03	915.56
729651	Property Owner	City Services	15540 Marmoset St Nw,	64.38	35.00	4.88	104.26
60725089	Property Owner	City Services	15540 Salish St Nw,	128.76	35.00	9.76	173.52
726093	Property Owner	City Services	15540 Traprock St Nw,	33.20	35.00	2.52	70.72
58104828	Property Owner	City Services	15540 Zirconium St Nw,	128.76	35.00	9.76	173.52
421775861	Property Owner	City Services	15550 Erkium St Nw,	32.19	35.00	2.44	69.63
693761911	Property Owner	City Services	15551 Potassium St Nw,	92.93	35.00	7.04	134.97
59184936	Property Owner	City Services	15551 Waco St Nw,	96.57	35.00	7.32	138.89
725265	Property Owner	City Services	15564 IODINE ST NW,	372.15	35.00	28.20	435.35
726031	Property Owner	City Services	15564 WACO ST NW,	1,004.18	35.00	76.10	1,115.28
728209	Property Owner	City Services	15565 XKIMO CT NW,	331.95	35.00	25.16	392.11
724634	Property Owner	City Services	15570 YAKIMA CT NW,	167.48	35.00	12.69	215.17
729208	Property Owner	City Services	15582 XKIMO CT NW,	440.04	35.00	33.35	508.39
669678276	Property Owner	City Services	15599 Hedgehog St Nw,	128.76	35.00	9.76	173.52
674477357	Property Owner	City Services	15600 XKIMO CT NW,	75.77	35.00	5.74	116.51
719145	Property Owner	City Services	15603 Iodone St Nw,	807.48	35.00	61.19	903.67

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58134831	Property Owner	City Services	15611 Dolomite St Nw,	128.76	35.00	9.76	173.52
485158339	Property Owner	City Services	15611 Marmoset St Nw,	64.38	35.00	4.88	104.26
702358051	Property Owner	City Services	15620 Cobalt St Nw,	128.76	35.00	9.76	173.52
722318	Property Owner	City Services	15621 Barium St Nw,	128.76	35.00	9.76	173.52
655014095	Property Owner	City Services	15641 Juniper Ridge Dr Nw,	128.76	35.00	9.76	173.52
731633	Property Owner	City Services	15650 Juniper Ridge Dr Nw,	128.76	35.00	9.76	173.52
718641	Property Owner	City Services	15721 Hedgehog St Nw,	96.57	35.00	7.32	138.89
724938	Property Owner	City Services	15730 Kangaroo St Nw,	128.76	35.00	9.76	173.52
728773	Property Owner	City Services	15741 Ferret St Nw,	128.76	35.00	9.76	173.52
731537	Property Owner	City Services	15759 Neon St Nw,	839.63	35.00	63.63	938.26
44303447	Property Owner	City Services	15760 Juniper Ridge Dr Nw,	35.12	35.00	2.66	72.78
725890	Property Owner	City Services	15769 Potassium St Nw,	1,027.32	35.00	77.85	1,140.17
724436	Property Owner	City Services	15770 KRYPTON CT NW,	710.15	35.00	53.82	798.97
639217534	Property Owner	City Services	15771 KRYPTON CT NW,	557.09	35.00	42.22	634.31
633699046	Property Owner	City Services	15774 Neon St Nw,	1,174.44	35.00	89.00	1,298.44
733341	Property Owner	City Services	15780 Andrie St Nw,	28.97	35.00	2.20	66.17
732667	Property Owner	City Services	15780 LITHIUM ST NW,	1,010.59	35.00	76.58	1,122.17
701988698	Property Owner	City Services	15781 Azurite Ct Nw,	128.76	35.00	9.76	173.52
723974	Property Owner	City Services	15801 Eland St Nw,	64.38	35.00	4.88	104.26
733534	Property Owner	City Services	15804 Radium St Nw,	64.38	35.00	4.88	104.26
727822	Property Owner	City Services	15821 OSMIUM ST NW,	661.06	35.00	50.10	746.16
732759	Property Owner	City Services	15830 Hedgehog St Nw,	128.76	35.00	9.76	173.52
722700	Property Owner	City Services	15840 Osmium St Nw,	1,413.43	35.00	107.11	1,555.54
389850754	Property Owner	City Services	15861 Dolomite St Nw,	128.76	35.00	9.76	173.52
679905160	Property Owner	City Services	15880 St Andrews Ln Nw,	64.38	35.00	4.88	104.26
697620296	Property Owner	City Services	15881 Lithium St Nw,	179.03	35.00	13.57	227.60
724534	Property Owner	City Services	15890 St Andrews Ln Nw,	128.76	35.00	9.76	173.52
727650	Property Owner	City Services	15952 Dolomite St Nw,	128.76	35.00	9.76	173.52
722322	Property Owner	City Services	15959 Ebony St Nw,	128.76	35.00	9.76	173.52
724623	Property Owner	City Services	15959 Ironstone St Nw,	128.76	35.00	9.76	173.52
731544	Property Owner	City Services	15982 URANIMITE ST NW,	885.95	35.00	67.14	988.09
697183298	Property Owner	City Services	16020 St. Andrews Ln ,	96.57	35.00	7.32	138.89
723220	Property Owner	City Services	16041 IODINE ST,	209.90	35.00	15.91	260.81
723367	Property Owner	City Services	16041 Kangaroo St Nw,	128.76	35.00	9.76	173.52
720352	Property Owner	City Services	16101 RAMSEY BLVD NW,	128.76	35.00	9.76	173.52
726049	Property Owner	City Services	16150 Royal Rd Nw,	128.76	35.00	9.76	173.52
48843901	Property Owner	City Services	16156 Olivine St Nw,	128.76	35.00	9.76	173.52
383670962	Property Owner	City Services	16170 Olivine St Nw,	128.76	35.00	9.76	173.52
730489	Property Owner	City Services	16201 Nowthen Blvd Nw,	32.19	35.00	2.44	69.63

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
615049714	Property Owner	City Services	16207 Azurite St Nw,	128.76	35.00	9.76	173.52
734136	Property Owner	City Services	16220 Dysprosium St Nw,	102.26	35.00	7.75	145.01
722376	Property Owner	City Services	16225 Azurite St Nw,	128.76	35.00	9.76	173.52
723927	Property Owner	City Services	16231 Jarvis St Nw,	32.19	35.00	2.44	69.63
726135	Property Owner	City Services	16265 JUNKITE ST,	175.77	35.00	13.32	224.09
729610	Property Owner	City Services	16300 Ramsey Blvd Nw,	128.76	35.00	9.76	173.52
722068	Property Owner	City Services	16301 Zirconium St Nw,	64.38	35.00	4.88	104.26
731133	Property Owner	City Services	16317 LITHIUM ST NW,	1,001.39	35.00	75.89	1,112.28
730322	Property Owner	City Services	16321 Yttrium St Nw,	96.57	35.00	7.32	138.89
729147	Property Owner	City Services	16324 Coquina St Nw,	128.76	35.00	9.76	173.52
730957	Property Owner	City Services	16325 Okapi St Nw,	128.76	35.00	9.76	173.52
720751	Property Owner	City Services	16326 Dysprosium St Nw,	128.76	35.00	9.76	173.52
718759	Property Owner	City Services	16331 Yttrium St Nw,	128.76	35.00	9.76	173.52
716520651	Property Owner	City Services	16337 Coquina St Nw,	97.52	35.00	7.39	139.91
726383	Property Owner	City Services	16345 Zirconium St Nw,	32.19	35.00	2.44	69.63
728204	Property Owner	City Services	16350 Kangaroo St Nw,	35.12	35.00	2.66	72.78
49113928	Property Owner	City Services	16350 Yolite St Nw,	99.50	35.00	7.54	142.04
720367	Property Owner	City Services	16360 Zirconium St Nw,	35.12	35.00	2.66	72.78
221774498	Property Owner	City Services	16361 Nowthen Blvd Nw,	128.76	35.00	9.76	173.52
728542	Property Owner	City Services	16380 Hedgehog St Nw,	64.38	35.00	4.88	104.26
71046115	Property Owner	City Services	16400 St Francis Blvd Nw,	95.75	35.00	7.26	138.01
619763801	Property Owner	City Services	16400 Zirconium St Nw,	128.76	35.00	9.76	173.52
730076	Property Owner	City Services	16405 Quartz St Nw,	128.76	35.00	9.76	173.52
659704939	Property Owner	City Services	16411 Olivine St Nw,	128.76	35.00	9.76	173.52
681251915	Property Owner	City Services	16427 Chameleon St Nw,	128.76	35.00	9.76	173.52
732346	Property Owner	City Services	16431 Wolfram St Nw,	32.19	35.00	2.44	69.63
642923030	Property Owner	City Services	16444 St Francis Blvd Nw, Dup Upper	128.76	35.00	9.76	173.52
733887	Property Owner	City Services	16521 Xenolith St Nw,	128.76	35.00	9.76	173.52
42363253	Property Owner	City Services	16530 Dolomite St Nw,	64.38	35.00	4.88	104.26
728502	Property Owner	City Services	16540 Yttrium St Nw,	64.38	35.00	4.88	104.26
729039	Property Owner	City Services	16600 Coquina St Nw,	128.76	35.00	9.76	173.52
613786173	Property Owner	City Services	16620 Zirconium St Nw,	164.33	35.00	12.45	211.78
727608	Property Owner	City Services	16640 Yttrium St Nw,	128.76	35.00	9.76	173.52
719681	Property Owner	City Services	16650 Dolomite St Nw,	128.76	35.00	9.76	173.52
718685	Property Owner	City Services	16710 LIMONITE ST NW,	961.36	35.00	72.85	1,069.21
732026	Property Owner	City Services	16714 LIMONITE ST NW,	175.77	35.00	13.32	224.09
718795	Property Owner	City Services	16718 LIMONITE ST NW,	1,088.08	35.00	82.46	1,205.54
68975909	Property Owner	City Services	16727 Radium St Nw,	128.76	35.00	9.76	173.52
724831	Property Owner	City Services	16771 Andrie St Nw,	128.76	35.00	9.76	173.52

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724181	Property Owner	City Services	16771 MARBLE ST NW,	914.95	35.00	69.34	1,019.29
34003380	Property Owner	City Services	16800 Iodine St Nw,	128.76	35.00	9.76	173.52
734256	Property Owner	City Services	16801 Sodium St Nw,	64.38	35.00	4.88	104.26
705656989	Property Owner	City Services	16822 Rabbit St Nw,	131.69	35.00	9.98	176.67
42953312	Property Owner	City Services	16836 Sodium St Nw,	128.76	35.00	9.76	173.52
43793396	Property Owner	City Services	16839 St Francis Blvd Nw,	128.76	35.00	9.76	173.52
42683285	Property Owner	City Services	16865 Sodium St Nw,	128.76	35.00	9.76	173.52
725699	Property Owner	City Services	16904 Feldspar St Nw,	159.09	35.00	12.06	206.15
494444008	Property Owner	City Services	16911 Tiger St Nw,	96.57	35.00	7.32	138.89
725006	Property Owner	City Services	16920 Zeolite St Nw,	128.76	35.00	9.76	173.52
42713288	Property Owner	City Services	16921 Sodium St Nw,	128.76	35.00	9.76	173.52
730620	Property Owner	City Services	16931 Helium St Nw,	128.76	35.00	9.76	173.52
734002	Property Owner	City Services	16950 Yttrium St Nw,	105.73	35.00	8.01	148.74
729295	Property Owner	City Services	16967 GARNET ST NW,	34.04	35.00	2.58	71.62
42443261	Property Owner	City Services	17020 Azurite St Nw,	128.76	35.00	9.76	173.52
610574308	Property Owner	City Services	17021 Helium St Nw,	96.57	35.00	7.32	138.89
726714	Property Owner	City Services	17059 Nowthen Blvd Nw,	128.76	35.00	9.76	173.52
40943111	Property Owner	City Services	17060 Zeolite St Nw,	32.19	35.00	2.44	69.63
732058	Property Owner	City Services	17151 Willemite St Nw,	96.57	35.00	7.32	138.89
728460	Property Owner	City Services	17200 Germanium St Nw,	128.76	35.00	9.76	173.52
734435	Property Owner	City Services	17200 Tungsten St Nw,	46.29	35.00	3.51	84.80
730918	Property Owner	City Services	17200 Zeolite St Nw,	128.76	35.00	9.76	173.52
726048	Property Owner	City Services	17201 Tungsten St Nw,	96.57	35.00	7.32	138.89
728707	Property Owner	City Services	17225 BISON ST NW,	128.76	35.00	9.76	173.52
66665677	Property Owner	City Services	17229 Tungsten St Nw,	128.76	35.00	9.76	173.52
730503	Property Owner	City Services	17230 Germanium St ,	96.57	35.00	7.32	138.89
727328	Property Owner	City Services	17295 Variolite St Nw,	118.14	35.00	8.95	162.09
667012776	Property Owner	City Services	17320 Driscoll St Nw,	128.76	35.00	9.76	173.52
645367584	Property Owner	City Services	17321 Driscoll St Nw,	128.76	35.00	9.76	173.52
659732792	Property Owner	City Services	17352 Unicorn St Nw,	128.76	35.00	9.76	173.52
725027	Property Owner	City Services	17359 Puma St ,	128.76	35.00	9.76	173.52
36132630	Property Owner	City Services	17410 Chameleon St Nw,	128.76	35.00	9.76	173.52
721790	Property Owner	City Services	17410 Wolverine St Nw,	128.76	35.00	9.76	173.52
726890	Property Owner	City Services	17431 St Francis Blvd Nw,	128.76	35.00	9.76	173.52
479364743	Property Owner	City Services	17511 Unicorn St Nw,	128.76	35.00	9.76	173.52
728561	Property Owner	City Services	17512 Rabbit St Nw,	96.57	35.00	7.32	138.89
734213	Property Owner	City Services	17529 Unicorn St Nw,	101.07	35.00	7.66	143.73
732139	Property Owner	City Services	17581 Iguana St ,	32.19	35.00	2.44	69.63
73102655	Property Owner	City Services	17601 Iguana St Nw,	32.19	35.00	2.44	69.63

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689697996	Property Owner	City Services	17646 St Francis Blvd Nw,	128.76	35.00	9.76	173.52
34222439	Property Owner	City Services	17700 Cobalt St Nw,	128.76	35.00	9.76	173.52
726752	Property Owner	City Services	17705 Nowthen Blvd Nw,	128.76	35.00	9.76	173.52
639301883	Property Owner	City Services	17725 Baugh St Nw,	35.12	35.00	2.66	72.78
720394	Property Owner	City Services	17740 Vanadium St Nw,	32.19	35.00	2.44	69.63
734209	Property Owner	City Services	17745 Nowthen Blvd Nw,	32.19	35.00	2.44	69.63
726086	Property Owner	City Services	17800 Yakima St Nw,	128.76	35.00	9.76	173.52
727293	Property Owner	City Services	17820 Fluorine St Nw,	128.76	35.00	9.76	173.52
728750	Property Owner	City Services	17850 Erkium St Nw,	60.84	35.00	4.61	100.45
616359552	Property Owner	City Services	17917 Junkite St Nw,	128.76	35.00	9.76	173.52
733685	Property Owner	City Services	17920 Uranium St Nw,	32.19	35.00	2.44	69.63
732865	Property Owner	City Services	17921 Vanadium St Nw,	128.76	35.00	9.76	173.52
733519	Property Owner	City Services	17930 VANADIUM ST NW,	128.76	35.00	9.76	173.52
733734	Property Owner	City Services	17940 St Francis Blvd Nw,	64.38	35.00	4.88	104.26
63625372	Property Owner	City Services	17958 Fluorine St Nw,	128.76	35.00	9.76	173.52
484524490	Property Owner	City Services	17960 St Francis Blvd Nw,	35.12	35.00	2.66	72.78
725854	Property Owner	City Services	18014 IODINE ST NW,	128.76	35.00	9.76	173.52
728384	Property Owner	City Services	18045 Waco St Nw,	35.12	35.00	2.66	72.78
731201	Property Owner	City Services	18055 Ute St Nw,	128.76	35.00	9.76	173.52
709834362	Property Owner	City Services	18055 Waco St Nw,	128.76	35.00	9.76	173.52
33872404	Property Owner	City Services	4850 177th Ave Nw,	96.57	35.00	7.32	138.89
724240	Property Owner	City Services	4881 142ND LN NW,	608.88	35.00	46.14	690.02
731112	Property Owner	City Services	4895 155TH LN NW,	96.47	35.00	7.31	138.78
33882405	Property Owner	City Services	4941 179th Ave Nw,	128.76	35.00	9.76	173.52
719412	Property Owner	City Services	4990 150TH LN NW,	663.44	35.00	50.28	748.72
725448	Property Owner	City Services	4991 150TH LN NW,	382.02	35.00	28.95	445.97
730561	Property Owner	City Services	5011 179th Ln Nw,	118.76	35.00	9.00	162.76
619942281	Property Owner	City Services	5021 143RD LN NW,	323.05	35.00	24.48	382.53
727669	Property Owner	City Services	5021 179th Ave Nw,	44.54	35.00	3.38	82.92
718347	Property Owner	City Services	5021 XKIMO CT NW,	175.77	35.00	13.32	224.09
728333	Property Owner	City Services	5030 143RD AVE NW,	175.77	35.00	13.32	224.09
731362	Property Owner	City Services	5030 179th Ln Nw,	128.76	35.00	9.76	173.52
718505	Property Owner	City Services	5041 143RD LN NW,	703.08	35.00	53.28	791.36
727921	Property Owner	City Services	5061 143RD LN NW,	571.54	35.00	43.31	649.85
733956	Property Owner	City Services	5075 XKIMO CT NW,	616.58	35.00	46.72	698.30
718468	Property Owner	City Services	5108 151st Ave Nw,	128.76	35.00	9.76	173.52
34572474	Property Owner	City Services	5143 179th Ln Nw,	96.57	35.00	7.32	138.89
727159	Property Owner	City Services	5145 149TH LN NW,	460.28	35.00	34.88	530.16
731583	Property Owner	City Services	5160 157th Ln Nw,	128.76	35.00	9.76	173.52

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60075024	Property Owner	City Services	5207 150th Ln Nw,	128.76	35.00	9.76	173.52
19781453	Property Owner	City Services	5211 147TH CIR NW,	480.00	35.00	36.37	551.37
727680	Property Owner	City Services	5221 147TH CIR NW,	292.16	35.00	22.14	349.30
620856544	Property Owner	City Services	5231 148TH AVE NW,	872.46	35.00	66.12	973.58
723120	Property Owner	City Services	5251 149TH LN NW,	945.04	35.00	71.62	1,051.66
720501	Property Owner	City Services	5254 180th Ave Nw,	78.76	35.00	5.97	119.73
660192154	Property Owner	City Services	5260 149TH LN NW,	1,088.08	35.00	82.46	1,205.54
687358480	Property Owner	City Services	5283 143RD AVE NW,	197.58	35.00	14.97	247.55
722238	Property Owner	City Services	5301 156th Ln Nw,	128.76	35.00	9.76	173.52
729689	Property Owner	City Services	5304 143RD AVE NW,	718.81	35.00	54.47	808.28
675430728	Property Owner	City Services	5305 140th Ave Nw,	467.52	35.00	35.43	537.95
719427	Property Owner	City Services	5324 142ND LN NW,	735.09	35.00	55.71	825.80
731157	Property Owner	City Services	5334 140th Ave Nw,	373.21	35.00	28.28	436.49
624365442	Property Owner	City Services	5342 142ND LN NW,	669.96	35.00	50.77	755.73
727604	Property Owner	City Services	5344 142ND CIR NW,	712.30	35.00	53.98	801.28
730138	Property Owner	City Services	5360 180th Ave Nw,	128.76	35.00	9.76	173.52
732472	Property Owner	City Services	5370 140th Ave Nw,	191.75	35.00	14.53	241.28
726805	Property Owner	City Services	5385 140TH AVE NW,	175.77	35.00	13.32	224.09
724911	Property Owner	City Services	5388 141ST AVE NW,	1,038.40	35.00	78.69	1,152.09
730022	Property Owner	City Services	5401 145th Ave Nw,	684.78	35.00	51.89	771.67
718590	Property Owner	City Services	5410 144TH WAY NW, UNIT 20	703.08	35.00	53.28	791.36
734097	Property Owner	City Services	5410 144TH WAY NW, UNIT 26	175.77	35.00	13.32	224.09
167152	Property Owner	City Services	5411 142ND AVE NW,	140.26	35.00	10.63	185.89
726509	Property Owner	City Services	5414 142ND AVE NW,	673.21	35.00	51.02	759.23
727461	Property Owner	City Services	5418 142ND AVE NW,	497.58	35.00	37.71	570.29
728359	Property Owner	City Services	5419 145th Ave Nw,	249.22	35.00	18.89	303.11
718332	Property Owner	City Services	5420 144TH WAY NW, UNIT 16	660.21	35.00	50.03	745.24
733411	Property Owner	City Services	5420 144TH WAY NW, UNIT 22	223.68	35.00	16.95	275.63
714055984	Property Owner	City Services	5420 144TH WAY NW, UNIT 18	184.11	35.00	13.95	233.06
730494	Property Owner	City Services	5425 144th Way Nw, Unit 18	687.31	35.00	52.08	774.39
733252	Property Owner	City Services	5425 144TH WAY NW, UNIT 12	267.65	35.00	20.28	322.93
728921	Property Owner	City Services	5425 144TH WAY NW, UNIT 14	263.14	35.00	19.94	318.08
725460	Property Owner	City Services	5430 144TH WAY NW, UNIT 20	175.77	35.00	13.32	224.09
728654	Property Owner	City Services	5430 144TH WAY NW, UNIT 18	117.71	35.00	8.92	161.63
722372	Property Owner	City Services	5431 164th Ln Nw,	128.76	35.00	9.76	173.52
33622379	Property Owner	City Services	5434 180th Ln Nw,	96.57	35.00	7.32	138.89
730558	Property Owner	City Services	5440 144TH WAY NW, UNIT 14	595.16	35.00	45.10	675.26
733188	Property Owner	City Services	5440 144TH WAY NW, UNIT 26	228.08	35.00	17.28	280.36
727427	Property Owner	City Services	5441 145TH AVE NW,	703.08	35.00	53.28	791.36

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668488991	Property Owner	City Services	5443 145TH AVE NW,	1,526.70	35.00	115.69	1,677.39
727539	Property Owner	City Services	5450 144TH WAY NW, UNIT 18	151.54	35.00	11.48	198.02
628555082	Property Owner	City Services	5455 152nd Ave Nw,	128.76	35.00	9.76	173.52
634621140	Property Owner	City Services	5460 151st Ave Nw,	131.69	35.00	9.98	176.67
732548	Property Owner	City Services	5477 BUNKER LAKE BLVD NW,	438.35	35.00	33.22	506.57
731111	Property Owner	City Services	5487 BUNKER LAKE BLVD NW,	383.14	35.00	29.03	447.17
732806	Property Owner	City Services	5501 146th Ave Nw,	624.59	35.00	47.33	706.92
648528080	Property Owner	City Services	5511 150TH LN NW,	175.77	35.00	13.32	224.09
721694	Property Owner	City Services	5515 BUNKER LAKE BLVD NW,	128.76	35.00	9.76	173.52
32252269	Property Owner	City Services	5520 140TH LN NW,	64.38	35.00	4.88	104.26
492505827	Property Owner	City Services	5521 144TH AVENUE NW,	1,328.35	35.00	100.66	1,464.01
729280	Property Owner	City Services	5522 144th Ct Nw,	175.77	35.00	13.32	224.09
727314	Property Owner	City Services	5535 149TH LN NW,	703.08	35.00	53.28	791.36
1236977	Property Owner	City Services	5550 149TH LN NW,	351.54	35.00	26.64	413.18
728254	Property Owner	City Services	5550 153RD CT NW,	175.77	35.00	13.32	224.09
730954	Property Owner	City Services	5561 148TH LN NW,	258.80	35.00	19.61	313.41
726191	Property Owner	City Services	5570 145th Cir Nw,	56.65	35.00	4.29	95.94
733661	Property Owner	City Services	5575 153rd Ct Nw,	191.75	35.00	14.53	241.28
414754675	Property Owner	City Services	5601 146TH AVE NW,	1,023.13	35.00	77.53	1,135.66
691903502	Property Owner	City Services	5605 157th Ave ,	175.77	35.00	13.32	224.09
734200	Property Owner	City Services	5613 154TH LN NW,	209.00	35.00	15.84	259.84
726499	Property Owner	City Services	5623 157TH AVE NW,	105.64	35.00	8.01	148.65
722177	Property Owner	City Services	5641 146th Ave Nw,	1,539.53	35.00	116.67	1,691.20
732700	Property Owner	City Services	5642 154TH LANE NW,	706.12	35.00	53.51	794.63
733923	Property Owner	City Services	5647 154th Ct ,	567.78	35.00	43.03	645.81
732097	Property Owner	City Services	5650 170th Ln Nw,	128.76	35.00	9.76	173.52
726428	Property Owner	City Services	5660 148TH LN NW,	337.10	35.00	25.55	397.65
730931	Property Owner	City Services	5661 154TH LN NW,	540.34	35.00	40.95	616.29
730353	Property Owner	City Services	5662 154TH CT NW,	290.37	35.00	22.00	347.37
491041898	Property Owner	City Services	5670 150th Ln Nw,	77.80	35.00	5.90	118.70
729847	Property Owner	City Services	5672 157TH AVE NW,	369.94	35.00	28.03	432.97
720734	Property Owner	City Services	5679 154th Ave Nw,	72.53	35.00	5.50	113.03
726211	Property Owner	City Services	5692 154th Ave Nw,	40.21	35.00	3.05	78.26
732563	Property Owner	City Services	5695 160TH LN NW,	1,148.18	35.00	87.01	1,270.19
721957	Property Owner	City Services	5698 152ND WAY NW,	761.71	35.00	57.72	854.43
726677	Property Owner	City Services	5698 154TH CROSSING NW,	198.57	35.00	15.05	248.62
616419298	Property Owner	City Services	5706 140TH LN NW,	128.76	35.00	9.76	173.52
734141	Property Owner	City Services	5710 145th Ct Nw,	490.04	35.00	37.14	562.18
719939	Property Owner	City Services	5710 158TH CT,	696.18	35.00	52.76	783.94

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655992344	Property Owner	City Services	5710 170th Ln Nw,	64.38	35.00	4.88	104.26
727902	Property Owner	City Services	5713 160TH LN NW,	808.19	35.00	61.25	904.44
731923	Property Owner	City Services	5716 162ND CROSSING NW,	928.45	35.00	70.36	1,033.81
44873504	Property Owner	City Services	5720 164th Ave Nw,	128.76	35.00	9.76	173.52
679938193	Property Owner	City Services	5751 145th Ct Nw,	843.22	35.00	63.90	942.12
719818	Property Owner	City Services	5770 162ND LN NW,	1,067.74	35.00	80.91	1,183.65
723112	Property Owner	City Services	5775 152ND WAY NW,	712.85	35.00	54.02	801.87
682849014	Property Owner	City Services	5780 155TH LN NW,	303.08	35.00	22.97	361.05
733143	Property Owner	City Services	5785 162ND LN NW,	175.77	35.00	13.32	224.09
732670	Property Owner	City Services	5787 152ND WAY NW,	351.54	35.00	26.64	413.18
670417910	Property Owner	City Services	5803 Alpine Dr Nw,	128.76	35.00	9.76	173.52
480902318	Property Owner	City Services	5810 142ND AVE NW,	553.36	35.00	41.93	630.29
722900	Property Owner	City Services	5810 164th Ln Nw,	128.76	35.00	9.76	173.52
453404808	Property Owner	City Services	5811 157TH LN NW,	1,001.86	35.00	75.92	1,112.78
640120939	Property Owner	City Services	5811 158th Ln Nw,	738.90	35.00	55.99	829.89
728580	Property Owner	City Services	5815 158TH AVE NW,	880.37	35.00	66.72	982.09
723928	Property Owner	City Services	5821 160th Ln Nw,	128.76	35.00	9.76	173.52
720416	Property Owner	City Services	5821 Sunwood Dr Nw,	846.82	35.00	64.17	945.99
729424	Property Owner	City Services	5825 158th Ave Nw,	221.75	35.00	16.80	273.55
733607	Property Owner	City Services	5839 141ST LN NW,	976.19	35.00	73.98	1,085.17
635916045	Property Owner	City Services	5840 157th Ln Nw,	367.83	35.00	27.87	430.70
732654	Property Owner	City Services	5842 158TH AVE NW,	696.22	35.00	52.76	783.98
727568	Property Owner	City Services	5860 141ST LN NW,	141.08	35.00	10.69	186.77
722311	Property Owner	City Services	5870 142ND AVE NW,	571.54	35.00	43.31	649.85
731288	Property Owner	City Services	5871 Sunwood Dr Nw,	275.77	35.00	20.90	331.67
682682655	Property Owner	City Services	5901 157TH LN NW,	409.19	35.00	31.01	475.20
673289656	Property Owner	City Services	5911 157TH LN NW,	351.54	35.00	26.64	413.18
729946	Property Owner	City Services	5930 143RD LN NW,	191.75	35.00	14.53	241.28
726216	Property Owner	City Services	5930 146TH AVE NW,	175.77	35.00	13.32	224.09
720602	Property Owner	City Services	5941 143RD LN NW,	729.14	35.00	55.25	819.39
221860690	Property Owner	City Services	5941 160th Ln Nw,	128.76	35.00	9.76	173.52
394377	Property Owner	City Services	5950 143RD CIR NW,	31.22	35.00	2.37	68.59
495497520	Property Owner	City Services	5951 160th Ln Nw,	64.38	35.00	4.88	104.26
720353	Property Owner	City Services	5960 144TH CIR NW,	972.15	35.00	73.67	1,080.82
644937894	Property Owner	City Services	5961 144TH CIR NW,	538.50	35.00	40.81	614.31
724274	Property Owner	City Services	5962 151ST LN NW,	1,420.28	35.00	107.63	1,562.91
730550	Property Owner	City Services	5970 142ND AVE NW,	811.82	35.00	61.52	908.34
719231	Property Owner	City Services	5981 144TH LN NW,	782.22	35.00	59.28	876.50
704226711	Property Owner	City Services	5991 146TH AVE NW,	712.85	35.00	54.02	801.87

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
400257680	Property Owner	City Services	6001 144TH LN NW,	701.43	35.00	53.15	789.58
733284	Property Owner	City Services	6010 143RD LN NW,	24.23	35.00	1.84	61.07
733960	Property Owner	City Services	6031 144TH LN NW,	26.08	35.00	1.98	63.06
729770	Property Owner	City Services	6044 174th Ave Nw,	128.76	35.00	9.76	173.52
732508	Property Owner	City Services	6071 144TH LN NW,	1,059.65	35.00	80.30	1,174.95
724797	Property Owner	City Services	6136 146TH LN NW,	181.54	35.00	13.76	230.30
437813939	Property Owner	City Services	6139 157th Ln Nw,	282.04	35.00	21.37	338.41
734541	Property Owner	City Services	6139 157th Ln Nw,	249.07	35.00	18.87	302.94
734757	Property Owner	City Services	6142 RIVLYN AVE NW,	335.56	35.00	25.43	395.99
727357	Property Owner	City Services	6150 145TH LN NW,	320.80	35.00	24.31	380.11
727772	Property Owner	City Services	6150 RIVLYN AVE NW,	165.86	35.00	12.57	213.43
383621341	Property Owner	City Services	6160 144TH LN NW,	792.29	35.00	60.04	887.33
733097	Property Owner	City Services	6168 146th Ave Nw,	635.38	35.00	48.15	718.53
718562	Property Owner	City Services	6174 146th Ave Nw,	854.25	35.00	64.74	953.99
730610	Property Owner	City Services	6190 144TH LN NW,	840.44	35.00	63.69	939.13
729525	Property Owner	City Services	6200 142ND LN NW,	177.29	35.00	13.44	225.73
721499	Property Owner	City Services	6200 145TH LN NW,	1,050.93	35.00	79.64	1,165.57
699422168	Property Owner	City Services	6219 144th Ln Nw,	128.76	35.00	9.76	173.52
674033735	Property Owner	City Services	6220 152ND AVE NW,	1,174.44	35.00	89.00	1,298.44
43623379	Property Owner	City Services	6221 169th Ln Nw,	128.76	35.00	9.76	173.52
673982531	Property Owner	City Services	6221 177th Ln Nw,	32.19	35.00	2.44	69.63
617848914	Property Owner	City Services	6221 MCKINLEY ST NW,	51.14	35.00	3.88	90.02
733070	Property Owner	City Services	6230 141ST LN NW,	264.92	35.00	20.08	320.00
731354	Property Owner	City Services	6241 180th Ln Nw,	128.76	35.00	9.76	173.52
677454508	Property Owner	City Services	6250 160th Ln Nw,	128.76	35.00	9.76	173.52
700054169	Property Owner	City Services	6259 144th Ln Nw,	123.26	35.00	9.34	167.60
624617034	Property Owner	City Services	6261 142nd Ln Nw,	1,195.65	35.00	90.61	1,321.26
117620878	Property Owner	City Services	6310 153rd Ln Nw,	128.76	35.00	9.76	173.52
14871175	Property Owner	City Services	6319 143RD LN NW,	128.76	35.00	9.76	173.52
695575983	Property Owner	City Services	6324 RIVERDALE DR NW,	24.59	35.00	1.86	61.45
729903	Property Owner	City Services	6337 143rd Ln Nw,	128.76	35.00	9.76	173.52
729649	Property Owner	City Services	6338 154TH CT NW,	571.54	35.00	43.31	649.85
43243341	Property Owner	City Services	6360 167th Ave Nw,	128.76	35.00	9.76	173.52
732581	Property Owner	City Services	6360 SUNFISH LAKE CT NW, UNIT A	833.35	35.00	63.15	931.50
45623579	Property Owner	City Services	6370 164th Ln Nw,	32.19	35.00	2.44	69.63
71356146	Property Owner	City Services	6384 143rd Ln Nw,	128.76	35.00	9.76	173.52
725337	Property Owner	City Services	6417 GREEN VALLEY RD NW,	96.57	35.00	7.32	138.89
47613778	Property Owner	City Services	6430 164th Ln Nw,	128.76	35.00	9.76	173.52
730605	Property Owner	City Services	6431 170th Ln Nw,	128.76	35.00	9.76	173.52

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489883731	Property Owner	City Services	6441 153rd Ln Nw,	128.76	35.00	9.76	173.52
728295	Property Owner	City Services	6452 RIVERDALE DR NW,	175.77	35.00	13.32	224.09
731712	Property Owner	City Services	6460 153rd Ln Nw,	128.76	35.00	9.76	173.52
654451299	Property Owner	City Services	6460 153RD WAY NW,	175.77	35.00	13.32	224.09
624030290	Property Owner	City Services	6481 153RD WAY NW,	821.70	35.00	62.27	918.97
732373	Property Owner	City Services	6501 Green Valley Rd Nw,	96.57	35.00	7.32	138.89
494614209	Property Owner	City Services	6501 MCKINLEY AVE NW,	1,045.31	35.00	79.21	1,159.52
616373073	Property Owner	City Services	6601 167TH AVE NW,	110.95	35.00	8.41	154.36
733908	Property Owner	City Services	6608 153RD CT NW,	801.85	35.00	60.76	897.61
711415058	Property Owner	City Services	6631 155th Ave Nw,	128.76	35.00	9.76	173.52
732945	Property Owner	City Services	6640 153RD CT NW,	920.61	35.00	69.76	1,025.37
731087	Property Owner	City Services	6640 153rd Ln Nw,	128.76	35.00	9.76	173.52
42223239	Property Owner	City Services	6700 165th Ln Nw,	128.76	35.00	9.76	173.52
730837	Property Owner	City Services	6706 159th Ave Nw,	128.76	35.00	9.76	173.52
722482	Property Owner	City Services	6720 158th Ln Nw,	128.76	35.00	9.76	173.52
730676	Property Owner	City Services	6728 153rd Ln Nw,	128.76	35.00	9.76	173.52
726041	Property Owner	City Services	6740 157th Ln Nw,	64.38	35.00	4.88	104.26
729216	Property Owner	City Services	6750 HWY 10 NW,	1,713.24	35.00	129.83	1,878.07
723104	Property Owner	City Services	6766 159th Ave Nw,	96.57	35.00	7.32	138.89
47543771	Property Owner	City Services	6767 158th Ln Nw,	128.76	35.00	9.76	173.52
726454	Property Owner	City Services	6774 153RD LN NW,	64.38	35.00	4.88	104.26
731676	Property Owner	City Services	6780 Green Valley Rd ,	128.76	35.00	9.76	173.52
648832858	Property Owner	City Services	6812 154th Ln Nw,	64.38	35.00	4.88	104.26
722543	Property Owner	City Services	6819 164th Ln Nw,	128.76	35.00	9.76	173.52
720726	Property Owner	City Services	6820 158th Ln Nw,	128.76	35.00	9.76	173.52
722418	Property Owner	City Services	6821 147th Ave Nw,	1,234.08	35.00	93.52	1,362.60
731153	Property Owner	City Services	6825 151st Ave Nw,	128.76	35.00	9.76	173.52
619422855	Property Owner	City Services	6835 164th Ln Nw,	32.19	35.00	2.44	69.63
724045	Property Owner	City Services	6840 164th Ln Nw,	45.59	35.00	3.45	84.04
732908	Property Owner	City Services	6841 137th Ln Nw,	2,110.63	35.00	159.95	2,305.58
47713788	Property Owner	City Services	6841 158th Ln Nw,	128.76	35.00	9.76	173.52
732744	Property Owner	City Services	6841 173rd Ave Nw,	128.76	35.00	9.76	173.52
733010	Property Owner	City Services	6854 139TH LN, UNIT 4	126.30	35.00	9.57	170.87
675624428	Property Owner	City Services	6855 148TH LN NW,	460.00	35.00	34.86	529.86
734524	Property Owner	City Services	6860 158th Ln Nw,	32.19	35.00	2.44	69.63
734607	Property Owner	City Services	6861 137TH LN NW,	161.81	35.00	12.26	209.07
488325558	Property Owner	City Services	6861 146TH CIR NW,	980.37	35.00	74.29	1,089.66
732155	Property Owner	City Services	6870 139th Ln Nw, Unit 3	168.40	35.00	12.76	216.16
728181	Property Owner	City Services	6881 137TH AVE NW,	938.69	35.00	71.13	1,044.82

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734523	Property Owner	City Services	6881 137TH AVE NW,	274.74	35.00	20.82	330.56
732282	Property Owner	City Services	6886 139th Ln Nw, Unit 7	168.40	35.00	12.76	216.16
668342642	Property Owner	City Services	6890 147TH AVE NW,	338.91	35.00	25.68	399.59
723526	Property Owner	City Services	6891 170TH AVE NW,	392.61	35.00	29.75	457.36
731033	Property Owner	City Services	6897 139TH LN NW, 102	144.93	35.00	10.98	190.91
721416	Property Owner	City Services	6918 139th Ln Nw, Unit 4	168.40	35.00	12.76	216.16
727447	Property Owner	City Services	6920 150th Ave Nw,	128.76	35.00	9.76	173.52
56764693	Property Owner	City Services	6920 151st Ave Nw,	128.76	35.00	9.76	173.52
731755	Property Owner	City Services	6922 Riverdale Dr Nw,	168.40	35.00	12.76	216.16
731022	Property Owner	City Services	6925 139th Ln Nw,	168.40	35.00	12.76	216.16
724419	Property Owner	City Services	6933 139th Ln ,	168.40	35.00	12.76	216.16
734005	Property Owner	City Services	6936 Riverdale Dr Nw,	26.31	35.00	1.99	63.30
645928746	Property Owner	City Services	6940 152nd Ave Nw,	128.76	35.00	9.76	173.52
732053	Property Owner	City Services	6940 169th Ln Nw,	1,347.04	35.00	102.08	1,484.12
727095	Property Owner	City Services	6952 139th Ave Nw,	168.40	35.00	12.76	216.16
710989567	Property Owner	City Services	6960 147TH AVE NW,	655.91	35.00	49.71	740.62
722054	Property Owner	City Services	6962 139th Ave ,	168.40	35.00	12.76	216.16
732835	Property Owner	City Services	6974 139th Ave Nw,	168.40	35.00	12.76	216.16
732449	Property Owner	City Services	6978 168TH LANE NW,	395.00	35.00	29.93	459.93
719797	Property Owner	City Services	6981 137TH LN NW,	921.58	35.00	69.84	1,026.42
725247	Property Owner	City Services	6981 169TH LN NW,	897.30	35.00	68.00	1,000.30
725598	Property Owner	City Services	6985 139th Ave Nw,	168.40	35.00	12.76	216.16
731805	Property Owner	City Services	6985 168TH LANE NW,	1,101.29	35.00	83.46	1,219.75
725523	Property Owner	City Services	6991 137TH LN NW,	1,088.08	35.00	82.46	1,205.54
721419	Property Owner	City Services	6992 139TH LN NW,	530.57	35.00	40.21	605.78
676474647	Property Owner	City Services	6995 139th Ave Nw,	42.10	35.00	3.19	80.29
731642	Property Owner	City Services	7000 149th Ln Nw,	32.19	35.00	2.44	69.63
726776	Property Owner	City Services	7010 137TH LN NW,	50.98	35.00	3.86	89.84
730277	Property Owner	City Services	7012 139th Ave Nw,	42.10	35.00	3.19	80.29
726878	Property Owner	City Services	7017 168TH AVE NW,	351.54	35.00	26.64	413.18
732626	Property Owner	City Services	7020 160th Ln Nw,	32.19	35.00	2.44	69.63
731246	Property Owner	City Services	7021 RIVERDALE DR,	441.58	35.00	33.46	510.04
732406	Property Owner	City Services	7026 161ST LN NW,	64.38	35.00	4.88	104.26
406276984	Property Owner	City Services	7029 HWY 10 NW,	218.19	35.00	16.53	269.72
58054823	Property Owner	City Services	7030 151st Ave Nw,	64.38	35.00	4.88	104.26
422439531	Property Owner	City Services	7031 147TH LN NW,	1,428.11	35.00	108.22	1,571.33
729096	Property Owner	City Services	7035 139th Ave Nw,	103.80	35.00	7.87	146.67
730262	Property Owner	City Services	7036 156th Ave Nw,	128.76	35.00	9.76	173.52
728789	Property Owner	City Services	7040 137TH LN NW,	703.08	35.00	53.28	791.36

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732076	Property Owner	City Services	7041 156th Ave Nw,	128.76	35.00	9.76	173.52
721259	Property Owner	City Services	7050 137th Ave Nw,	3,800.88	35.00	288.03	4,123.91
425486525	Property Owner	City Services	7051 137th Ave Nw,	1,173.54	35.00	88.93	1,297.47
727028	Property Owner	City Services	7051 147TH LN NW,	561.95	35.00	42.59	639.54
733985	Property Owner	City Services	7058 137TH AVE NW,	1,104.98	35.00	83.74	1,223.72
729100	Property Owner	City Services	7067 139th Ave ,	168.40	35.00	12.76	216.16
718401	Property Owner	City Services	7070 148th Ave Nw,	993.94	35.00	75.32	1,104.26
733092	Property Owner	City Services	7075 139th Ave ,	73.47	35.00	5.57	114.04
730026	Property Owner	City Services	7080 137TH AVE NW,	145.38	35.00	11.02	191.40
718951	Property Owner	City Services	7081 147TH LN NW,	703.08	35.00	53.28	791.36
727847	Property Owner	City Services	7085 139th Ave ,	168.40	35.00	12.76	216.16
721604	Property Owner	City Services	7087 159th Ln Nw,	128.76	35.00	9.76	173.52
700951707	Property Owner	City Services	7090 159th Ln Nw,	128.76	35.00	9.76	173.52
732968	Property Owner	City Services	7091 168TH AVE NW,	145.75	35.00	11.05	191.80
635542758	Property Owner	City Services	7100 148th Ave Nw,	175.77	35.00	13.32	224.09
727551	Property Owner	City Services	7100 160TH LN NW,	128.76	35.00	9.76	173.52
719598	Property Owner	City Services	7100 166th Ave Nw,	96.57	35.00	7.32	138.89
721672	Property Owner	City Services	7111 175th Ave Nw,	128.76	35.00	9.76	173.52
728004	Property Owner	City Services	7112 148TH LN NW,	792.77	35.00	60.08	887.85
711809644	Property Owner	City Services	7123 159th Ln Nw,	32.19	35.00	2.44	69.63
704405679	Property Owner	City Services	7130 156th Ave Nw,	93.64	35.00	7.10	135.74
724958	Property Owner	City Services	7135 170TH TRL NW,	199.54	35.00	15.12	249.66
57144732	Property Owner	City Services	7140 152nd Ave Nw,	128.76	35.00	9.76	173.52
718617	Property Owner	City Services	7141 148th Ln Nw,	346.66	35.00	26.27	407.93
56924709	Property Owner	City Services	7145 151st Ave Nw,	128.76	35.00	9.76	173.52
733112	Property Owner	City Services	7204 147th Ter Nw,	126.30	35.00	9.57	170.87
678110935	Property Owner	City Services	7210 163rd Ave Nw,	128.76	35.00	9.76	173.52
56364653	Property Owner	City Services	7220 151st Ave Nw,	128.76	35.00	9.76	173.52
723875	Property Owner	City Services	7221 167TH TER NW,	1,041.01	35.00	78.89	1,154.90
728657	Property Owner	City Services	7224 170TH TRL NW,	1,231.43	35.00	93.32	1,359.75
734146	Property Owner	City Services	7228 147th Ter Nw,	128.03	35.00	9.70	172.73
729667	Property Owner	City Services	7229 153rd Ln Nw,	96.57	35.00	7.32	138.89
650256659	Property Owner	City Services	7231 150th Ln Nw,	64.38	35.00	4.88	104.26
731350	Property Owner	City Services	7235 E RAMSEY PKWY,	703.08	35.00	53.28	791.36
56274644	Property Owner	City Services	7240 150th Ln Nw,	64.38	35.00	4.88	104.26
660951883	Property Owner	City Services	7240 162nd Ln Nw,	96.57	35.00	7.32	138.89
433218650	Property Owner	City Services	7240 181st Ave Nw,	128.76	35.00	9.76	173.52
603234106	Property Owner	City Services	7250 181st Ave Nw,	64.38	35.00	4.88	104.26
702404821	Property Owner	City Services	7251 166th Ave Nw,	128.76	35.00	9.76	173.52

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727400	Property Owner	City Services	7261 147th Ter Nw,	126.30	35.00	9.57	170.87
447450668	Property Owner	City Services	7261 149th Ave Nw,	128.76	35.00	9.76	173.52
718887	Property Owner	City Services	7263 148TH LN NW,	703.08	35.00	53.28	791.36
719238	Property Owner	City Services	7266 149TH AVE NW,	833.82	35.00	63.19	932.01
732972	Property Owner	City Services	7266 BUNKER LAKE BLVD NW,	703.08	35.00	53.28	791.36
733173	Property Owner	City Services	7270 BUNKER LAKE BLVD NW,	233.08	35.00	17.66	285.74
718886	Property Owner	City Services	7271 148TH LN NW,	712.85	35.00	54.02	801.87
733037	Property Owner	City Services	7280 181st Ave Nw,	96.57	35.00	7.32	138.89
729229	Property Owner	City Services	7282 147th Ln Nw,	42.10	35.00	3.19	80.29
733313	Property Owner	City Services	7282 BUNKER LAKE BLVD NW,	807.55	35.00	61.20	903.75
733633	Property Owner	City Services	7288 BUNKER LAKE BLVD NW,	175.52	35.00	13.30	223.82
730508	Property Owner	City Services	7290 149th Ln Nw,	128.76	35.00	9.76	173.52
733970	Property Owner	City Services	7291 146TH AVE NW,	175.77	35.00	13.32	224.09
640373530	Property Owner	City Services	7291 152nd Ave Nw,	128.76	35.00	9.76	173.52
730727	Property Owner	City Services	7291 152nd Ln Nw,	32.19	35.00	2.44	69.63
688670261	Property Owner	City Services	7292 147th Ter Nw,	168.40	35.00	12.76	216.16
728526	Property Owner	City Services	7298 147th Ln Nw,	168.40	35.00	12.76	216.16
732688	Property Owner	City Services	7302 147th Ln Nw,	42.10	35.00	3.19	80.29
732013	Property Owner	City Services	7305 147th Ter Nw,	168.40	35.00	12.76	216.16
729638	Property Owner	City Services	7306 168TH CIRCLE NW,	151.54	35.00	11.48	198.02
730191	Property Owner	City Services	7312 147th Ter Nw,	42.10	35.00	3.19	80.29
732033	Property Owner	City Services	7318 147TH LN NW,	44.62	35.00	3.38	83.00
728603	Property Owner	City Services	7320 146TH AVE NW,	703.08	35.00	53.28	791.36
638872650	Property Owner	City Services	7320 151st Ln Nw,	128.76	35.00	9.76	173.52
732181	Property Owner	City Services	7321 147th Ter Nw,	168.40	35.00	12.76	216.16
733924	Property Owner	City Services	7321 151st Ave Nw,	32.19	35.00	2.44	69.63
731667	Property Owner	City Services	7321 151st Ln Nw,	128.76	35.00	9.76	173.52
731130	Property Owner	City Services	7321 152nd Ln Nw,	128.76	35.00	9.76	173.52
730813	Property Owner	City Services	7326 147th Ln Nw,	25.84	35.00	1.96	62.80
731542	Property Owner	City Services	7335 146TH CROSSING NW,	703.08	35.00	53.28	791.36
730498	Property Owner	City Services	7337 147th Ter Nw,	126.30	35.00	9.57	170.87
728784	Property Owner	City Services	7340 146TH AVE NW,	703.08	35.00	53.28	791.36
727592	Property Owner	City Services	7341 154th Ln Nw,	128.76	35.00	9.76	173.52
720058	Property Owner	City Services	7342 Bunker Lake Blvd ,	168.40	35.00	12.76	216.16
684384770	Property Owner	City Services	7343 147th Ter Nw,	45.37	35.00	3.44	83.81
728095	Property Owner	City Services	7346 149th Ave Nw,	128.76	35.00	9.76	173.52
729463	Property Owner	City Services	7351 152nd Ave Nw,	128.76	35.00	9.76	173.52
730083	Property Owner	City Services	7354 146TH AVE NW,	244.12	35.00	18.50	297.62
730043	Property Owner	City Services	7359 146TH CROSSING NW,	878.49	35.00	66.57	980.06

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
731225	Property Owner	City Services	7360 159TH AVENUE NW,	34.19	35.00	2.59	71.78
734399	Property Owner	City Services	7362 147th Ln Nw,	75.32	35.00	5.71	116.03
723832	Property Owner	City Services	7362 149th Ave Nw,	96.57	35.00	7.32	138.89
732385	Property Owner	City Services	7366 BUNKER LAKE BLVD,	84.20	35.00	6.38	125.58
722640	Property Owner	City Services	7367 147th Ln Nw,	68.40	35.00	5.18	108.58
722892	Property Owner	City Services	7380 152nd Ln Nw,	32.19	35.00	2.44	69.63
55154532	Property Owner	City Services	7381 152nd Ave Nw,	128.76	35.00	9.76	173.52
730991	Property Owner	City Services	7381 168TH CIRCLE NW,	713.17	35.00	54.04	802.21
732547	Property Owner	City Services	7396 159TH AVE NW,	341.34	35.00	25.87	402.21
681590395	Property Owner	City Services	7404 147th Ln Nw,	168.40	35.00	12.76	216.16
724340	Property Owner	City Services	7404 149TH AVE NW,	131.69	35.00	9.98	176.67
722696	Property Owner	City Services	7410 147th Ln Nw,	168.40	35.00	12.76	216.16
56304647	Property Owner	City Services	7411 151st Ln Nw,	99.50	35.00	7.54	142.04
720857	Property Owner	City Services	7418 Bunker Lake Blvd ,	168.40	35.00	12.76	216.16
55204537	Property Owner	City Services	7440 152nd Ave Nw,	64.38	35.00	4.88	104.26
703333526	Property Owner	City Services	7440 152nd Ln Nw,	128.76	35.00	9.76	173.52
731119	Property Owner	City Services	7441 152nd Ave Nw,	32.19	35.00	2.44	69.63
734501	Property Owner	City Services	7448 BUNKER LAKE BLVD,	51.33	35.00	3.89	90.22
734377	Property Owner	City Services	7448 BUNKER LAKE BLVD,	30.45	35.00	2.31	67.76
662227451	Property Owner	City Services	7450 149th Ln Nw,	64.38	35.00	4.88	104.26
718481	Property Owner	City Services	7450 BUNKER LAKE BLVD,	168.40	35.00	12.76	216.16
718568	Property Owner	City Services	7455 163RD AVE NW,	702.73	35.00	53.25	790.98
727766	Property Owner	City Services	7463 159TH AVE NW,	222.73	35.00	16.88	274.61
730948	Property Owner	City Services	7471 152nd Ave Nw,	128.76	35.00	9.76	173.52
483827547	Property Owner	City Services	7501 151st Ave Nw,	64.38	35.00	4.88	104.26
731815	Property Owner	City Services	7503 159TH AVENUE NW,	635.99	35.00	48.20	719.19
733703	Property Owner	City Services	7513 161ST AVE NW,	1,372.08	35.00	103.98	1,511.06
730624	Property Owner	City Services	7518 160TH AVENUE NW,	1,082.04	35.00	82.00	1,199.04
730382	Property Owner	City Services	7540 162ND AVE NW,	181.75	35.00	13.77	230.52
730970	Property Owner	City Services	7551 149th Ave Nw,	128.76	35.00	9.76	173.52
614755957	Property Owner	City Services	7600 163RD LANE NW,	703.08	35.00	53.28	791.36
448022880	Property Owner	City Services	7605 173rd Ave Nw,	59.98	35.00	4.55	99.53
48603877	Property Owner	City Services	7619 157th Ave Nw,	128.76	35.00	9.76	173.52
728330	Property Owner	City Services	7620 171st Ave Nw,	96.57	35.00	7.32	138.89
665036069	Property Owner	City Services	7630 169th Ln Nw,	32.19	35.00	2.44	69.63
723762	Property Owner	City Services	7631 172nd Ln Nw,	128.76	35.00	9.76	173.52
718581	Property Owner	City Services	7637 147TH LN NW,	175.77	35.00	13.32	224.09
650529890	Property Owner	City Services	7646 158th Ave Nw,	128.76	35.00	9.76	173.52
726179	Property Owner	City Services	7650 163rd Ln Nw,	32.19	35.00	2.44	69.63

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
719785	Property Owner	City Services	7651 147TH TER NW,	153.01	35.00	11.60	199.61
727465	Property Owner	City Services	7651 178th Ln Nw,	96.57	35.00	7.32	138.89
450826892	Property Owner	City Services	7652 158th Ave Nw,	32.19	35.00	2.44	69.63
721563	Property Owner	City Services	7660 150TH LN NW,	128.76	35.00	9.76	173.52
729338	Property Owner	City Services	7674 147TH LN NW,	916.59	35.00	69.46	1,021.05
728809	Property Owner	City Services	7675 147TH TER NW,	845.08	35.00	64.04	944.12
694738093	Property Owner	City Services	7700 169th Ln Nw,	96.57	35.00	7.32	138.89
722458	Property Owner	City Services	7710 156th Ave Nw,	41.86	35.00	3.17	80.03
646321332	Property Owner	City Services	7710 178th Ln Nw,	35.12	35.00	2.66	72.78
702200619	Property Owner	City Services	7711 178th Ln Nw,	128.76	35.00	9.76	173.52
734604	Property Owner	City Services	7720 147TH LANE NW,	98.24	35.00	7.44	140.68
633391698	Property Owner	City Services	7720 150th Ln Nw,	128.76	35.00	9.76	173.52
730615	Property Owner	City Services	7730 149th Ln Nw,	128.76	35.00	9.76	173.52
440400586	Property Owner	City Services	7731 149th Ln Nw,	128.76	35.00	9.76	173.52
726269	Property Owner	City Services	7801 148TH LN NW,	205.51	35.00	15.57	256.08
720871	Property Owner	City Services	7809 148TH LN NW,	760.86	35.00	57.66	853.52
728256	Property Owner	City Services	7830 148TH LN NW,	74.28	35.00	5.63	114.91
730556	Property Owner	City Services	7831 151st Ln Nw,	128.76	35.00	9.76	173.52
722974	Property Owner	City Services	7850 149TH AVE NW,	772.25	35.00	58.52	865.77
690949632	Property Owner	City Services	7850 149th Ln Nw,	128.76	35.00	9.76	173.52
480887974	Property Owner	City Services	7920 159th Ln Nw,	128.76	35.00	9.76	173.52
730964	Property Owner	City Services	7921 163rd Ln Nw,	64.38	35.00	4.88	104.26
54734490	Property Owner	City Services	7930 156th Ave Nw,	128.76	35.00	9.76	173.52
48923909	Property Owner	City Services	7940 158th Ave Nw,	35.12	35.00	2.66	72.78
727480	Property Owner	City Services	7941 165th Ave Nw,	25.75	35.00	1.95	62.70
479313920	Property Owner	City Services	7950 163rd Ln Nw,	32.19	35.00	2.44	69.63
730982	Property Owner	City Services	7962 SUNWOOD DR NW, STE 700	149.52	35.00	11.33	195.85
734566	Property Owner	City Services	7962 SUNWOOD DR NW, STE 700	123.17	35.00	9.33	167.50
719956	Property Owner	City Services	8021 176th Ln Nw,	128.76	35.00	9.76	173.52
65115522	Property Owner	City Services	8030 152nd Ln Nw,	128.76	35.00	9.76	173.52
37102727	Property Owner	City Services	8031 176th Ln Nw,	128.76	35.00	9.76	173.52
724974	Property Owner	City Services	8055 142nd Ave Nw,	128.76	35.00	9.76	173.52
724490	Property Owner	City Services	8059 154th Ave Nw,	128.76	35.00	9.76	173.52
734033	Property Owner	City Services	8062 154th Ave Nw,	105.04	35.00	7.96	148.00
50584075	Property Owner	City Services	8111 158th Ln Nw,	128.76	35.00	9.76	173.52
725657	Property Owner	City Services	8120 154th Ln Nw,	128.76	35.00	9.76	173.52
715474311	Property Owner	City Services	8121 153rd Ln Nw,	128.76	35.00	9.76	173.52
53934410	Property Owner	City Services	8121 154th Ave Nw,	128.76	35.00	9.76	173.52
729456	Property Owner	City Services	8130 153rd Ln Nw,	128.76	35.00	9.76	173.52

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
67255737	Property Owner	City Services	8141 153rd Ln Nw,	128.76	35.00	9.76	173.52
734173	Property Owner	City Services	8141 154th Ave Nw,	89.43	35.00	6.78	131.21
733878	Property Owner	City Services	8141 154th Ave Nw,	33.18	35.00	2.51	70.69
726111	Property Owner	City Services	8150 151ST LN NW,	32.19	35.00	2.44	69.63
722495	Property Owner	City Services	8151 154th Ln Nw,	128.76	35.00	9.76	173.52
49994016	Property Owner	City Services	8200 163rd Ave Nw,	128.76	35.00	9.76	173.52
728592	Property Owner	City Services	8204 159th Ln Nw,	96.57	35.00	7.32	138.89
726434	Property Owner	City Services	8221 159th Ln Nw,	128.76	35.00	9.76	173.52
732493	Property Owner	City Services	8230 154th Ln Nw,	128.76	35.00	9.76	173.52
50164033	Property Owner	City Services	8250 157th Ln Nw,	128.76	35.00	9.76	173.52
724396	Property Owner	City Services	8261 159th Ln Nw,	128.76	35.00	9.76	173.52
734065	Property Owner	City Services	8301 151st Ln Nw,	64.38	35.00	4.88	104.26
654348277	Property Owner	City Services	8330 151st Ln Nw,	128.76	35.00	9.76	173.52
53634380	Property Owner	City Services	8331 151st Ln Nw,	64.38	35.00	4.88	104.26
70516062	Property Owner	City Services	8340 154th Ln Nw,	61.16	35.00	4.63	100.79
721279	Property Owner	City Services	8350 158th Ln Nw,	128.76	35.00	9.76	173.52
729939	Property Owner	City Services	8351 160th Ave Nw,	128.76	35.00	9.76	173.52
719749	Property Owner	City Services	8361 154th Ave Nw,	64.38	35.00	4.88	104.26
483273736	Property Owner	City Services	8376 156th Ln Nw,	128.76	35.00	9.76	173.52
728379	Property Owner	City Services	8416 158th Ln Nw,	128.76	35.00	9.76	173.52
720125	Property Owner	City Services	8421 154th Ln Nw,	128.76	35.00	9.76	173.52
733776	Property Owner	City Services	8502 164th Cir Nw,	128.76	35.00	9.76	173.52
734583	Property Owner	City Services	8511 152ND LANE NW,	286.30	35.00	21.70	343.00
728350	Property Owner	City Services	8541 154th Ln Nw,	128.76	35.00	9.76	173.52
664105424	Property Owner	City Services	8610 171st Ave Nw,	128.76	35.00	9.76	173.52
729991	Property Owner	City Services	8642 149TH COURT NW,	24.48	35.00	1.86	61.34
728866	Property Owner	City Services	8643 174th Ln Nw,	128.76	35.00	9.76	173.52
729929	Property Owner	City Services	8645 176th Ave Nw,	32.19	35.00	2.44	69.63
728898	Property Owner	City Services	8661 174th Ln Nw,	96.57	35.00	7.32	138.89
727205	Property Owner	City Services	8729 176th Ave Nw,	32.19	35.00	2.44	69.63
734217	Property Owner	City Services	8788 151ST AVENUE NW,	175.77	35.00	13.32	224.09
733853	Property Owner	City Services	8907 152ND LANE NW,	527.31	35.00	39.96	602.27
729493	Property Owner	City Services	8910 178th Ave Nw,	32.19	35.00	2.44	69.63
731536	Property Owner	City Services	8964 Hwy 10 Nw,	96.57	35.00	7.32	138.89
731262	Property Owner	City Services	8996 169TH AVENUE NW,	32.19	35.00	2.44	69.63
727956	Property Owner	City Services	9000 168th Ave Nw,	32.19	35.00	2.44	69.63
734646	Property Owner	City Services	9002 Hwy 10 Nw,	32.22	35.00	2.44	69.66
726319	Property Owner	City Services	9020 168th Ave Nw,	96.57	35.00	7.32	138.89
731762	Property Owner	City Services	9041 169TH AVENUE NW,	128.76	35.00	9.76	173.52

Account No.	Account Name	Description	Property Address	Delinquent Amount	Admin Fee	Interest (6.00%)	Total Subject to Certification
52324249	Property Owner	City Services	9053 Collins Dr Nw,	35.12	35.00	2.66	72.78
39482965	Property Owner	City Services	9081 167th Ln Nw,	47.16	35.00	3.57	85.73
727352	Property Owner	City Services	9131 178th Ave Nw,	128.76	35.00	9.76	173.52
52424259	Property Owner	City Services	9138 Collins Dr Nw,	32.19	35.00	2.44	69.63
37822799	Property Owner	City Services	9221 173rd Ave Nw,	64.38	35.00	4.88	104.26
661503825	Property Owner	City Services	9410 180th Ave Nw,	64.38	35.00	4.88	104.26
734367	Property Owner	City Services	9450 Inverness Ct Nw,	66.05	35.00	5.01	106.06
726938	Property Owner	City Services	9501 Ermine Blvd Nw,	128.76	35.00	9.76	173.52
718977	Property Owner	City Services	9550 156TH AVE NW,	52.06	35.00	3.95	91.01
726326	Property Owner	City Services	9619 Hwy 10 Nw,	1,737.64	35.00	131.68	1,904.32
			Utility Billing Total:	**$ 339,479.24**	**$ 33,110.00**	**$ 25,726.64**	**$ 398,315.88**

31339	Property Owner	Voluntary Abatement	5431 164th Lane NW	413.98	35	31.37	480.35
31340	Property Owner	Voluntary Abatement	5431 164th Lane NW	737.50		55.89	793.39
30340	Property Owner	Voluntary Abatement	5431 164th Lane NW	625.00		47.36	672.36
30333	Property Owner	Voluntary Abatement	5431 164th Lane NW	9,478.00		718.25	10,196.25
30517	Property Owner	Voluntary Abatement	5431 164th Lane NW	525.00		39.78	564.78
31145	Property Owner	Citation 0134	4990 150th Lane NW	500.00	35	37.89	572.89
30332	Property Owner	Abatement	14760 Bowers Dr NW	5,310.00	35	402.40	5,747.40
30525	Property Owner	Towing	14760 Bowers Dr NW	1,800.00		136.41	1,936.41
30526	Property Owner	Towing	14760 Bowers Dr NW	2,325.00		176.19	2,501.19
30527	Property Owner	Towing	14760 Bowers Dr NW	2,325.00		176.19	2,501.19
			Accounts Receivable Total:	**$ 24,039.48**	**$ 105.00**	**$ 1,821.73**	**$ 25,966.21**
			Total Accounts Subject to Property Tax Certification:	**$ 363,518.72**	**$ 33,215.00**	**$ 27,548.37**	**$ 424,282.09**

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Identify and implement operational efficiencies, cost savings and additional funding sources.

Information

Title:

Adopt Resolution 23-228 Adopting Proposed 2024 Payable Tax Levies (General, Pavement Management, EDA and Debt Service) & Schedule Public Hearing for December 12, 2023; Adopt Resolution #23-229 Adopting Proposed 2024 General Fund Budget and Resolution #23-230 Adopting Proposed 2024 EDA Budget.

Purpose/Background:

Purpose: Each taxing authority must certify its proposed preliminary property tax levies for payable 2024 to the County Auditor by October 2, 2023.

A budget/levy slide presentation will be provided that will outline the city's proposed 2024 levies and General Fund Budget.

The city held several worksessions on the proposed 2024 preliminary budget and related levies, with the last worksession, prior to preliminary adoption, being held on September 12, 2023.

Proposed 2024 Payable Tax Levy:
Proposed Tax Levies:

General Fund Levy:	$ 14,962,220
Pavement Management Fund Levy (Included in General Levy)	$ 1,844,733
EDA Levy (Included in General Levy)	$ 87,390
Debt Service Levy: CIP Bond (Municipal Center) (Being Requested)	$ 1,122,950
Debt Service Levy - CIP Bond (Fire Station #2)	$ 282,988
Debt Service Levy - 2023 Equipment Certificates - **ESTIMATE**	$ 188,736
Debt Service Levy - 2014 Equipment Certificates	$ 102,094
Debt Service Levy - CIP Bond (Public Works Campus)	$ 127,276
2015 Reconstruction Debt - Garnet Street & Overlays	$ 117,293
2016 Reconstruction Debt - Andrie & Overlays	$ 148,740
2017 Reconstruction Debt - Sunwood Drive & Alpine	$ 93,335
2018 Reconstruction Debt - River's Bend & Stanhope Terrace	$ 110,996
2022 Reconstruction Debt - $12M of additional Road Projects	$ 1,090,950
Total Proposed Levy - 2024	**$ 20,279,701**

Based upon the proposed levy, the City's estimated tax rate is projected to increase in 2024 from 40.429% (2023) to 41.050% subject to final property and tax calculations by the County. The attached resolution, as it is presented, reflects a levy of $20,279,701. The proposed levy for 2024 reflects a $2,044,521 (11.21% increase) over the adopted levy in 2023 of $18,235,180.

The levy increase of $2,044,521 has the following contributing factors:

1. Additional Personnel Requests - New positions, reclassifications, additional hours and wage increase -*$588,988*

Personnel additions of a full-time Accountant I, FT Rental Housing Inspector, FT Building Maintenance Worker, 3-FT Street Maintenance Workers, FT Mechanic, FT Park Maintenance Worker, Reclass Accountant I to Accountant II, Reclass Patrol Officer to Sergeant, Reclass Fire Inspector to Fire Marshall, Reclass Building Permit Tech I to Building Permit Tech II, Additional Hours for Planning Admin Assistant and Building Admin Assistant and hour wage increase for on-call firefighters and seasonal workers.

2. *$240,336* of i*ncrease is related to non-budgeted positions added during 2023 year: 2 CSO's, Engr Tech II, Public Works Assistant, CSO from PT to FT and Reclass Rec Specialist to Rec Coordinator.*

3. $463,477: *COLA, Steps, PERA, FICA/Medicare, Workers Comp, Health Ins (approx 8% increase), Leap year, Election year and police holiday buyback increase from 54 to 104 hours.*

4. $87,844: *Pavement Management Levy: 5% annual increase*

5. *$375,000: Spray Patching covered by ARPA funds in 2023.*

6. $115,240: Salt Price Increase

7. $80,000: Data Processing includes first half for Finance/HR Software upgrade

8. EDA Levy: $4,780 increase.

9. Debt Service Levy: $135,497: *Issuance of New Debt Capital Equipment*

2024 Proposed General Fund Budget: $20,799,768 ($17,055,153 - Year 2023)

2024 Proposed EDA Budget: $92,390 ($87,610 - 2023).

All EDA and General Fund documents are included together, as the EDA levy calculates into the total general levy calculation of the city and thus accounts for the several motions listed below.

While the proposed levy can always be reduced, it cannot be increased without "higher" level approval through an appeals process. Until the budget and levy is formally adopted on December 12, 2023, there will be budget worksessions to continue discussions on the Proposed 2024 General Fund Budget and 2024 Proposed Levies.

The proposed levy must be certified to Anoka County by Monday, October 2, 2023. Therefore, the Council must make a decision prior to that date in regards to the amount of this levy. If the proposed levy is not passed for any reason, the adopted 2023 levy ($18,235,180) will be certified as the city's payable 2024 levy.

Schedule Budget Public Hearing Date:
The Truth-in-Taxation (TNT) law was changed in 2009. The City is no longer required to hold a special TNT hearing or to publish a notice of the TNT hearing. In lieu of the eliminated formal TNT hearing, the City is required to hold a regularly scheduled meeting at which the budget and levy will be discussed. The City may adopt the budget and levy immediately following. The public meeting must be held between November 25 and December 30 and held after 6:00 P.M.

Staff is recommending that the public meeting be held at its regularly scheduled meeting of December 12, 2023, with adoption of the 2024 General Fund Budget and levy to immediately follow.

The public meeting date must be certified to Anoka County by Monday, October 2, 2023, therefore, the City Council must make a decision as to the date selected for the 2024 payable public meeting at tonight's meeting, unless a special meeting is called.

Time Frame/Observations/Alternatives:

1. Adopt Total Preliminary Levy of $20,279,701.

2. Adopt Total Preliminary Levy of $_____ based on discussion.

3. Retain Levy at 2023 Final Levy Adoption of $18,235,180.

Recommendation:

Staff recommmends Option #1 above based on much discussions at City Council budget worksessions with the possibility of reductions to the preliminary levy prior to City Council adoption of the final levy on December 12, 2023 and to schedule the City of Ramsey's budget/levy public meeting on Tuesday, December 12, 2023 at 7:00 P.M.

Outcome/Action:

Motion to recommend Council A**dopt Resolution #23-228** Approving the Proposed 2023, Payable 2024 Tax Levy in the amount of $20,279,701 and to schedule the City of Ramsey's budget/levy public meeting on Tuesday, December 12, 2023 at 7:00 p.m and **Adopt Resolution #23-229** Adopting Proposed 2024 General Fund Budget and Resolution **Adopt Resolution #23-230** Adopting Proposed 2024 EDA Budget..

Attachments

Reso #23-228 Adopting Proposed 2024 Payable Tax Levy

Reso #23-229 Adopting Proposed 2024 General Fund Budget

Reso #23-230 Adopting Proposed 2024 EDA Budget

2024 Proposed General Fund Budget

2024 Proposed EDA Budget

Residential Tax Impact Preliminary Adoption

Commercial Tax Impact Preliminary Adoption

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:09 AM
Form Started By: Diana Lund		Started On: 09/18/2023 09:47 AM
Final Approval Date: 09/21/2023		

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #23-228

RESOLUTION APPROVING THE PROPOSED 2023, PAYABLE 2024 TAX LEVY AND SCHEDULE BUDGET PUBLIC MEETING DATE

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, COUNTY OF ANOKA, STATE OF MINNESOTA, as follows:

1) That the following proposed levies for certified 2023, payable 2024, be levied upon the taxable property in said City of Ramsey, Anoka County, State of Minnesota for the following purposes:

GENERAL LEVY			
Fund 101: General Fund - General Operations			
Fiscal Disparity Transfer - as estimated	$ 2,101,346		
Collected as Pavement Management Levy	1,844,733		
Collected as Property Tax EDA Levy	87,390		
Collected as Property Tax General Levy	12,860,874		
		$16,894,343	
DEBT SERVICE LEVY			
CIP Bond – Municipal Center	1,122,950		
CIP Bond – Fire Station #2	282,988		
2023 Equipment Certificates	188,736	Estimated	
2015 GO Road Improvement Bonds	117,293		
2014 Equipment Certificates	102,094		
2016 GO Road Improvement Bonds	148,740		
2017 GO Road Improvement Bonds	93,335		
2018 GO Road Improvement Bonds	110,996		
2020 CIP Bond – Public Works Campus	127,276		
2022 GO Road Improvement Bonds	1,090,950		
		3,385,358	
TOTAL PROPOSED LEVIES		$ 20,279,701	

1) That the City of Ramsey will not be levying the $334,289 related to the $3,090,000 GO Refunding Bond, Series 2011B, as per Joint Powers Agreement with Anoka County. Anoka County is required to pay directly to the City, this debt service amount.

2) That the City of Ramsey will not be levying the $1,179,098 (105% of debt service) related to the 2021 GO Capital Improvement Plan Refunding Bonds for the Municipal Center. Levy amount will be as stated above.

3) That the City of Ramsey's 2023 Public Budget Meeting for 2024 Payable is scheduled for Tuesday, December 12, 2023 at 7:00 p.m.

4) That the Finance Director be directed to transmit a certified copy of this resolution to theAnoka County Auditor's Office on or before Monday, October 2, 2023.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #23-229

RESOLUTION ADOPTING THE "PROPOSED" 2024 CITY OF RAMSEY GENERAL FUND OPERATING BUDGET

NOW THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, COUNTY OF ANOKA, STATE OF MINNESOTA, as follows:

1) That the "Proposed" annual budget of the City of Ramsey for the fiscal year beginning January 1, 2024 is hereby adopted for the General Fund as follows:

GENERAL FUND	
Revenues:	
Property Taxes	$14,905,220
Licenses and Permits	921,900
Intergovernmental Revenues	734,000
Charges for Services	686,800
Fines and Forfeitures	48,000
Other Revenues-	
Interest Earnings	50,000
Miscellaneous	16,830
Other Financing Sources	3,437,018
Total Revenues	$20,799,768
Operating and Capital Expenditures:	
General Government	$ 5,034,892
Public Safety	9,241,315
Public Works	4,120,033
Parks and Recreation	2,277,155
Contingency	20,000
Other Financing Uses	106,373
Total Operating and Capital Expenditures	$ 20,799,768

2) That the Finance Director be directed to transmit a certified copy of this resolution to the Anoka County Auditor's office on or before Monday, October 2, 2023.

That the motion for the adoption of the foregoing resolution was duly seconded by Councilmember and upon vote being taken thereon, the following voted in favor:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this 26th day of September 2023.

_____
Mayor

ATTEST:

_____
City Clerk

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #23-230

RESOLUTION ADOPTING THE "PROPOSED" 2024 CITY OF RAMSEY ECONOMIC DEVELOPMENT AUTHORITY FUND BUDGET

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the "Proposed" annual budget of the City of Ramsey for the fiscal year beginning January 1, 2024 is hereby adopted for the Economic Development Authority Fund as follows:

ECONOMIC DEVELOPMENT FUND

Revenues:	
Taxes (EDA Levy)	$87,390
Interest Earnings	5,000
Total Revenues	$92,390
Operating and Capital Expenditures:	
Personal Services	$ 1,090
Supplies	43,000
Services and Charges	48,300
Total Operating and Capital Expenditures	$92,390

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

City Clerk

GENERAL FUND 101 - BUDGET SUMMARY

REVENUES

	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
TAXES	9,902,004	10,577,806	11,184,493	11,961,591	13,088,820	14,905,220
LICENSES AND PERMITS	901,222	850,504	917,645	843,010	699,400	921,900
INTERGOVERNMENTAL REVENUES	442,366	2,497,148	513,730	885,575	696,700	734,000
CHARGES FOR SERVICES	790,112	731,187	760,740	814,985	622,300	686,800
FINES AND FORFEITS	49,479	34,735	51,153	45,717	50,000	48,000
MISCELLANEOUS	16,637	12,861	29,201	235,737	15,750	16,830
INVESTMENT EARNINGS	174,930	185,750	(29,897)	(57,081)	25,000	50,000
OTHER FINANCING SOURCES	953,354	766,049	1,321,201	659,892	1,857,183	3,437,018
TOTAL REVENUES	**13,230,103**	**15,656,038**	**14,748,266**	**15,389,426**	**17,055,153**	**20,799,768**

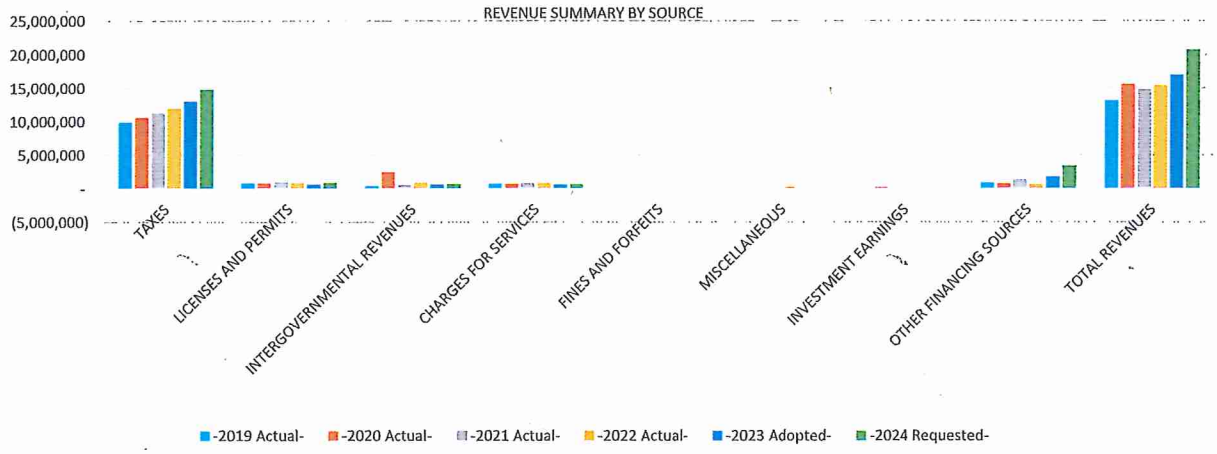
EXPENDITURES

	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
GENERAL GOVERNMENT	3,467,555	3,390,435	3,540,820	3,814,959	4,203,044	5,034,892
PUBLIC SAFETY	5,511,745	6,112,194	6,526,621	6,822,296	8,166,229	9,241,315
PUBLIC WORKS	2,047,054	2,009,196	2,393,459	2,153,946	2,899,371	4,120,033
PARKS AND RECREATION	1,303,410	1,418,871	1,481,802	1,445,077	1,661,536	2,277,155
MISCELLANEOUS/CONTINGENCY	637,670	1,875,063	474,396	334,541	124,973	126,373
TOTAL EXPENDITURES	**12,967,434**	**14,805,758**	**14,417,097**	**14,570,820**	**17,055,153**	**20,799,768**

GENERAL FUND 101 - REVENUE SUMMARY	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
TAXES	9,902,004	10,577,806	11,184,493	11,961,591	13,088,820	14,905,220
LICENSES AND PERMITS	901,222	850,504	917,645	843,010	699,400	921,900
INTERGOVERNMENTAL REVENUES	442,366	2,497,148	513,730	885,575	696,700	734,000
CHARGES FOR SERVICES	790,112	731,187	760,740	814,985	622,300	686,800
FINES AND FORFEITS	49,479	34,735	51,153	45,717	50,000	48,000
MISCELLANEOUS	16,637	12,861	29,201	235,737	15,750	16,830
INVESTMENT EARNINGS	174,930	185,750	(29,897)	(57,081)	25,000	50,000
OTHER FINANCING SOURCES	953,354	766,049	1,321,201	659,892	1,857,183	3,437,018
TOTAL REVENUES	**13,230,103**	**15,656,038**	**14,748,266**	**15,389,426**	**17,055,153**	**20,799,768**

HISTORICAL LEVY AMOUNTS

2019 LEVY	$	9,972,432	6.14%
2020 LEVY	$	10,670,932	7.00%
2021 LEVY	$	11,060,589	3.65%
2022 LEVY	$	11,712,590	5.89%
2023 LEVY	$	13,145,820	12.24%
2024 LEVY	$	14,962,220	13.82%

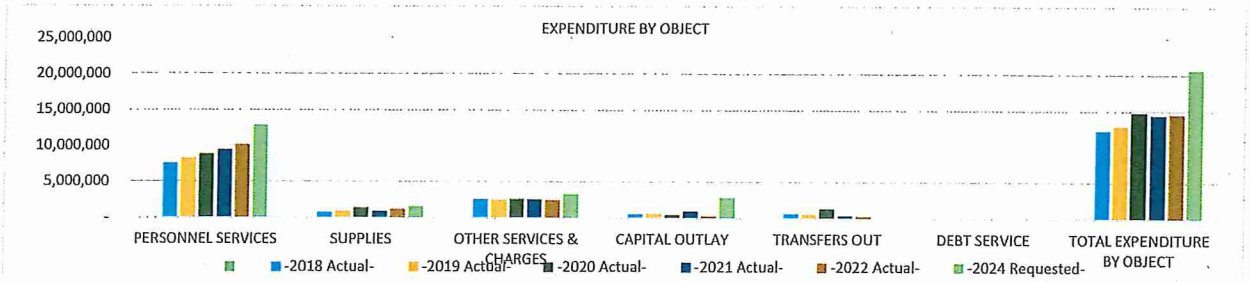


GENERAL FUND 101 - REVENUE BY SOURCE		-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
TAXES							
4011	CURRENT-AD VALOREM TAXES	8,383,643	8,929,345	9,415,148	10,068,520	11,570,820	13,219,391
401A	CURRENT-UNCOLLECTED ALLOWANCE	-	-	-	-	(100,000)	(100,000)
4012	DELINQUENT-AD VALOREM TAXES	37,958	39,951	112,159	50,370	40,000	40,000
4014	FISCAL DISPARITIES	1,477,121	1,607,454	1,645,441	1,535,653	1,575,000	1,742,829
4015	EXCESS TAX INCREMENTS	179	-	-	304,151	-	-
4018	PENALTY/INT-AD VALOREM TAXES	3,104	1,056	11,745	2,742	3,000	3,000
4019	FORFEITED TAX SALE APPROPRIATION				153		
TAXES Total		**9,902,004**	**10,577,806**	**11,184,493**	**11,961,591**	**13,088,820**	**14,905,220**
LICENSES AND PERMITS							
- BUSINESS LICENSES/PERMITS							
4140	CREDIT CARD PROCESSING FEES	(5,960)	(2,032)	(2,994)	(3,967)	(4,000)	(4,500)
4155	LIQUOR-ON SALE	48,740	49,348	47,360	48,185	50,000	50,000
4156	LIQUOR-OFF SALE	-	-	-	-	-	-
4159	MECHANICAL LICENSE	14,300	13,550	13,850	18,265	13,000	15,000
4163	PAWNSHOP LICENSE	9,868	4,250	4,250	4,000	4,000	-
4164	CIGARETTE SALES LICENSE	3,050	3,050	3,700	3,988	3,000	4,000
4165	REFUSE HAULERS LICENSE	450	350	350	400	400	400
4168	PEDDLERS LICENSE	2,820	1,910	6,500	4,100	5,000	4,000
4170	OTHER BUSINESS LICENSES & PERM	2,180	2,080	1,360	2,210	2,000	2,000
4171	INVESTIGATIVE FEES	3,451	1,906	2,684	2,441	2,000	3,000
- NON-BUSINESS LICENSES/PERMITS							
4205	BUILDING PERMIT	577,644	522,922	566,419	520,770	400,000	400,000
4206	PLUMBING PERMIT	46,218	39,175	52,806	46,037	40,000	45,000
4207	ANIMAL LICENSE	1,250	1,110	1,930	2,000	-	-
4208	HEATING PERMIT	53,963	62,471	69,045	53,494	50,000	55,000
4209	CONDITIONAL USE PERMIT	8,750	6,864	8,450	9,600	8,000	20,000
4211	SIGN PERMITS	2,625	2,155	1,550	1,500	2,000	2,000
4212	RENTAL LICENSE	1,525	10,700	5,135	4,010	4,000	204,000
4213	FIRE PERMIT	8,386	10,963	7,550	10,750	10,000	12,000
4214	ELECTRICAL INSPECTION PERMIT	92,148	85,140	90,306	80,988	80,000	80,000
4220	SEPTIC SYSTEM PERMIT	21,159	22,920	21,310	21,685	15,000	15,000
4221	URBAN SEWER PERMIT	2,850	4,408	4,350	6,025	5,000	5,000
4222	URBAN WATER PERMIT	3,525	5,138	5,050	6,925	5,000	5,000
4230	OTHER NON-BUSINESS LIC & PERM	2,280	2,125	6,685	(395)	5,000	5,000
LICENSES AND PERMITS Total		**901,222**	**850,504**	**917,645**	**843,010**	**699,400**	**921,900**
INTERGOVERNMENTAL REVENUES							
- FEDERAL INTERGOVERNMENTAL							
4253	FEDERAL EXCISE TAX REFUND	8,863	9,432	9,310	1,333	9,200	1,500
4252	FEDERAL GRANTS	-	-	-	-	-	-
- STATE INTERGOVERNMENTAL							
4255	FEDERAL CARES ACT	-	2,050,863	-	55,624	-	-
4263	MARKET VALUE HOMESTEAD CREDIT	2,689	2,834	2,963	3,644	-	-
4268	MSA FOR STREETS	150,000	150,000	180,000	302,316	210,000	240,000
4269	POLICE - INSURANCE PREMIUM TAX	228,225	241,001	248,199	277,956	240,000	250,000
4271	POST BOARD REIMBURSEMENT	23,860	24,464	27,820	29,430	20,000	25,000
4272	STATE EXCISE TAX REFUND	364	522	571	525	500	500
4273	OTHER STATE GRANTS & AIDS	28,365	17,282	28,867	214,747	217,000	217,000
- LOCAL INTERGOVERNMENTAL							
4287	OTHER LOCAL GOVERNMENT GRANTS	-	750	16,000	-	-	-
INTERGOVERNMENTAL REVENUES Total		**442,366**	**2,497,148**	**513,730**	**885,575**	**696,700**	**734,000**

CHARGES FOR SERVICES							
4304	RENTAL FEES - REAL PROPERTY	153,799	155,808	156,109	160,542	135,000	135,000
4305	RENTAL FEES	11,042	4,804	12,224	13,672	12,000	20,000
4306	ZONING & SUBDIVISION FEES	2,082	1,130	2,585	2,490	2,000	2,000
4307	PLAN CHECKING FEES	241,565	184,169	199,008	249,663	200,000	200,000
4308	SALES OF MAPS & PUBLICATIONS	358	73	123	137	100	100
4309	ASSESSMENT SEARCHES	630	90	540	270	200	200
4312	GENERAL GOVERNMENT STAFF TIME	39,694	41,045	31,870	36,184	25,000	15,000
4326	SPECIAL POLICE SERVICES	21,082	3,325	7,808	15,939	5,000	5,000
4327	SPECIAL FIRE PROTECTION SERVIC	86,157	72,414	23,144	130	-	-
4328	ACCIDENT REPORTS	1,373	1,114	1,033	763	1,000	1,000
4329	OPEN BURN PERMIT FEES	975	750	500	1,000	1,000	500
4330	OTHER PUBLIC SAFETY	4,935	2,400	5,370	4,325	3,000	3,000
4337	ENGINEERING	200,453	243,514	302,408	299,006	225,000	275,000
4338	PLAN & SPECIFICATION FEES	-	570	-	-	-	-
4339	OTHER PUBLIC WORKS	13,460	15,647	7,860	16,994	8,000	20,000
4347	OTHER CULTURE-RECREATION	12,507	4,334	10,159	13,869	5,000	10,000
CHARGES FOR SERVICES Total		**790,112**	**731,187**	**760,740**	**814,985**	**622,300**	**686,800**
FINES AND FORFEITS							
4452	COURT FINES	45,404	32,505	46,250	40,563	45,000	45,000
4453	OTHER FINES & FORFEITS	405	291	-	-	-	-
4454	ADMINISTRATIVE FINES	3,669	1,940	4,903	5,155	5,000	3,000
FINES AND FORFEITS Total		**49,479**	**34,735**	**51,153**	**45,717**	**50,000**	**48,000**
MISCELLANEOUS							
4604	SURCHARGES	690	608	675	708	700	800
4605	ELECTION FILING FEES	20	50	-	30	50	30
4609	OTHER MISCELLANEOUS REVENUES	15,927	12,202	28,526	234,999	15,000	16,000
4608	CONTRIBUTIONS & DONATIONS	-	-	-	-	-	-
MISCELLANEOUS Total		**16,637**	**12,861**	**29,201**	**235,737**	**15,750**	**16,830**
INVESTMENT EARNINGS							
4701	INTEREST ON INVESTMENTS	174,930	185,750	(29,897)	(57,081)	25,000	50,000
INVESTMENT EARNINGS Total		**174,930**	**185,750**	**(29,897)**	**(57,081)**	**25,000**	**50,000**
OTHER FINANCING SOURCES							
TRANSFERS IN							
4901	TRANSFER IN FROM OTHER FUNDS	953,354	766,049	1,321,201	659,892	1,857,183	3,437,018
OTHER FINANCING SOURCES Total		**953,354**	**766,049**	**1,321,201**	**659,892**	**1,857,183**	**3,437,018**
TOTAL REVENUE		**13,230,103**	**15,656,038**	**14,748,266**	**15,389,426**	**17,055,153**	**20,799,768**

GENERAL FUND 101 - LINE ITEM DETAIL	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Adopted-	-2023 Adopted-	-2023 Adopted-
4901 Other Finance Sources						
Water Fund Administrative Transfer	43,000	45,000	47,000	49,000	51,000	55,000
Sewer Fund Administrative Transfer	37,000	39,000	41,000	43,000	45,000	49,000
St. Lighting Fund Administrative Transfer	21,000	22,000	23,000	25,000	27,000	29,000
Recycling Fund Administrative Transfer	-	-	-			
Storm Water Utility Fund Administrative Transfer	32,000	34,000	36,000	38,000	40,000	44,000
PW Campus Fund				-	750,000	-
ARPA Funds	-	-	-	-	375,000	-
2023 Legislative Funds	-	-	-	-	-	1,090,445
Landfill Fund	-	-	989,201	63,000	-	-
Capital Maintenance Fund - For Trail Maintenance	50,000	60,000	60,000	60,000	70,000	70,000
Capital Maintenance Fund - For Capital Improvements				29,710	-	120,000
Facility Fund	-	-	-	-	-	36,000
Pavement Management Fund	-	-	-	-	-	56,000
Insurance Fund	-	-	-		-	-
Fleet Vehicle Fund	87,000	-	-	17,800	104,310	48,000
PIR Fund-Street Maintenance	125,000	125,000	125,000	150,000	175,000	200,000
Capital Bonding	-	-	-	-	-	1,453,018
Equipment Revolving Fund	558,354	441,049		184,382	219,873	77,000
	953,354	766,049	1,321,201	659,892	1,857,183	3,327,463

EXPENDITURE BY OBJECT SUMMARY	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES	8,240,136	8,859,253	9,471,467	10,172,991	11,609,269	12,902,070
SUPPLIES	913,056	1,413,878	915,468	1,237,507	1,326,261	1,571,677
OTHER SERVICES & CHARGES	2,502,365	2,626,465	2,577,885	2,521,359	2,939,067	3,322,185
CAPITAL OUTLAY	549,084	467,070	977,809	295,957	1,074,183	2,897,463
TRANSFERS OUT	575,817	1,376,215	409,801	272,688	106,373	106,373
DEBT SERVICE	61,853	61,853	61,853	61,853	-	-
TOTAL EXPENDITURE BY OBJECT	**12,842,311**	**14,804,733**	**14,414,283**	**14,562,355**	**17,055,153**	**20,799,768**



EXPENDITURE BY OBJECT RECAP ALL SUB-FUNCTIONS		-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
GENERAL GOVERNMENT							
0111	MAYOR AND COUNCIL	118,969	104,534	100,563	106,114	129,607	127,315
0114	CHARTER/PLAN/HORSE COMMISSIONS	3,642	3,213	3,666	2,709	3,853	3,968
0130	ADMINISTRATION	811,654	795,368	852,730	913,981	1,019,778	1,076,533
0141	ELECTIONS	22,103	53,763	7,784	44,689	6,650	54,861
0153	FINANCE	367,590	379,167	408,717	362,854	386,910	440,666
0155	ASSESSING	143,667	147,722	120,463	125,272	130,000	133,000
0161	LEGAL	152,821	124,533	125,477	121,422	126,600	128,915
0191	PLANNING & ZONING	680,965	653,382	733,882	665,874	854,650	974,899
0192	DATA PROCESSING	623,164	582,467	606,281	773,912	818,662	1,063,589
0194	GENERAL GOVERNMENT BUILDINGS	494,094	501,162	529,125	643,514	667,254	968,079
0195	NEWSLETTER	48,885	45,123	52,132	54,618	59,080	63,067
GENERAL GOVERNMENT Total		**3,467,555**	**3,390,435**	**3,540,820**	**3,814,959**	**4,203,044**	**5,034,892**
PUBLIC SAFETY							
0211	POLICE PROTECTION	3,794,498	4,122,916	4,547,484	4,726,260	5,505,623	6,064,087
0220	FIRE PROTECTION	1,024,125	1,384,635	1,352,166	1,427,516	1,761,760	2,219,602
0240	PROTECTIVE INSPECTIONS	600,831	519,585	538,198	564,838	721,415	708,859
0250	CIVIL DEFENSE	15,164	2,288	3,287	9,637	43,350	47,800
0260	TRAFFIC ENGINEERING	59,904	68,686	71,628	79,873	111,706	174,767
0270	ANIMAL CONTROL	4,336	993	743	1,399	6,250	6,750
0280	COMMUNITY ORIENTING POLICING	12,888	13,092	13,115	12,774	16,125	19,450
PUBLIC SAFETY Total		**5,511,745**	**6,112,194**	**6,526,621**	**6,822,296**	**8,166,229**	**9,241,315**
PUBLIC WORKS							
0301	ENGINEERING	379,804	383,947	381,476	446,849	554,975	680,214
0311	STREET MAINTENANCE	1,306,948	1,336,038	1,747,168	1,332,827	2,001,574	2,908,542
0312	SNOW & ICE REMOVAL	360,301	289,211	264,815	374,270	342,822	531,277
PUBLIC WORKS Total		**2,047,054**	**2,009,196**	**2,393,459**	**2,153,946**	**2,899,371**	**4,120,033**
PARKS AND RECREATION							
0452	PARK & RECREATION	1,283,410	1,418,871	1,481,802	1,445,077	1,661,536	2,277,155
0455	COMMUNITY PROGRAMS	20,000	-	-	-	-	-
0461	ENVIRONMENTAL SERVICES		-	-	-	-	-
PARKS AND RECREATION Total		**1,303,410**	**1,418,871**	**1,481,802**	**1,445,077**	**1,661,536**	**2,277,155**
MISCELLANEOUS/CONTINGENCY							
0892	EXPENDITURE RESERVE	637,670	1,875,063	474,396	334,541	124,973	126,373
MISCELLANEOUS/CONTINGENCY Total		**637,670**	**1,875,063**	**474,396**	**334,541**	**124,973**	**126,373**
TOTAL EXPENDITURES & OTHER FINANCING		**12,967,434**	**14,805,758**	**14,417,097**	**14,570,820**	**17,055,153**	**20,799,768**

EXPENDITURE BY OBJECT RECAP ALL SUB-FUNCTIONS		-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES							
WAGES AND SALARIES							
6102	F.T. REGULAR-WAGES & SALARIES	5,513,787	5,908,446	6,275,314	6,528,037	7,629,646	8,576,140
6103	FULL TIME-REGULAR-OVERTIME	146,188	148,960	166,477	183,834	134,000	153,000
6104	PART TIME-WAGES & SALARIES	496,943	539,851	577,699	746,543	809,700	785,119
6105	TEMPORARY-WAGES & SALARIES	148,935	167,447	133,432	179,828	158,862	183,308
6106	OVERTIME-TEMPORARY	926	259	878	636	-	-
6107	OVERTIME-PART TIME	1,905	1,408	-	4,686	-	-
WAGES AND SALARIES		**6,308,684**	**6,766,371**	**7,153,799**	**7,643,564**	**8,732,208**	**9,697,567**
OTHER GROSS EARNINGS							
6108	SEVERANCE PAY	45,355	-	67,885	95,310	-	-
OTHER GROSS EARNINGS		**45,355**	**-**	**67,885**	**95,310**	**-**	**-**
EMPLOYER CONTRIBUTIONS							
6121	PERA CONTRIBUTIONS	678,558	754,905	807,600	839,838	955,726	1,037,959
6122	FICA/MEDICARE CONTRIBUTIONS	315,349	327,544	350,762	367,731	446,291	513,518
6123	ICMA RETIREMENT TRUST	2,000	2,000	2,000	800	-	-
6131	GROUP INSURANCE	683,256	764,786	848,602	878,018	1,037,210	1,199,786
6132	DISABILITY INSURANCE	1,313	1,313	1,313	1,313	1,313	1,313
6133	WORKERS COMP INSURANCE PREMIUM	205,620	242,334	239,505	346,417	436,521	451,927
EMPLOYER CONTRIBUTIONS		**1,886,097**	**2,092,882**	**2,249,782**	**2,434,117**	**2,877,061**	**3,204,503**
PERSONNEL SERVICES Total		**8,240,136**	**8,859,253**	**9,471,467**	**10,172,991**	**11,609,269**	**12,902,070**

SUPPLIES							
OFFICE SUPPLIES							
6203	DUPLICATING SUPPLY & COPY PAPE	2,174	4,725	2,174	2,198	5,000	5,000
6204	STATIONERY, ENVELOPES & FORMS	4,725	4,784	3,872	9,542	6,750	8,450
6205	DRAFTING SUPPLIES	-	-	-	-	-	-
6206	FILM, MICROFILM, TAPES, DISKS	1,983	837	568	370	1,600	1,400
6207	TRAINING SUPPLIES	2,565	3,609	3,154	3,562	12,700	9,100
6208	MISCELLANEOUS OFFICE SUPPLIES	12,357	9,440	8,460	9,670	12,375	12,525
OFFICE SUPPLIES		**23,804**	**23,395**	**18,228**	**25,343**	**38,425**	**36,475**
OPERATING SUPPLIES							
6221	CLEANING SUPPLIES	1,503	1,391	2,496	1,910	3,500	3,500
6223	GASOLINE	105,124	98,273	129,654	156,406	188,500	191,800
6225	DIESEL FUEL	57,591	39,882	42,031	73,397	71,900	84,000
6227	LUBRICANTS & ADDITIVES	6,247	4,486	7,580	7,730	6,200	9,000
6229	SHOP MATERIALS	2,537	4,149	5,781	8,830	4,800	8,000
6231	UNIFORMS & TURN-OUT GEAR	63,103	104,570	92,594	124,187	139,450	166,400
6233	BATTERIES	1,071	652	1,262	2,013	2,000	2,000
6235	AMMUNITION	9,386	15,970	1,700	13,725	12,000	15,000
6237	CRIME SCENE KIT MATERIALS	669	368	1,843	-	1,000	1,000
6239	FIRST AID SUPPLIES	2,560	12,345	5,922	5,444	10,500	11,000
6241	COMMUNITY POLICING SUPPLIES	7,750	10,310	9,190	9,967	10,000	12,500
6247	HAPPY DAYS SUPPLIES	12,000	-	7,000	7,000	12,000	12,000
6249	MISCELLANEOUS OPERATING SUPPLY	113,972	118,336	100,912	143,977	140,550	166,792
6246	MARKETING	1,210	-	1,051	198	3,000	2,500
OPERATING SUPPLIES		**384,725**	**410,732**	**409,016**	**554,783**	**605,400**	**685,492**
REPAIR AND MAINTENANCE SUPPLIES							
6251	BATTERIES	812	678	516	-	2,500	2,500
6253	BRAKES	2,342	3,421	3,466	3,238	3,500	3,700
6255	TIRES	7,271	7,458	10,708	6,616	9,000	9,500
6257	OTHER VEHICLE PARTS	98,407	122,447	77,127	122,472	118,700	126,800
6259	BUILDING MAINT/REPAIR SUPPLIES	14,227	4,028	20,639	51,453	45,522	55,200
6261	SAND & GRAVEL	4,726	2,907	-	2,300	4,400	5,300
6263	SALT	97,334	92,362	68,800	129,704	77,000	192,240
6265	ASPHALT	107,676	120,283	134,086	104,227	140,794	153,000
6266	SCBA-PARTS	4,843	4,679	4,055	5,899	20,000	20,000
6267	OTHER STREET MAINTENANCE SUPPL	7,353	4,798	5,303	10,675	13,100	16,500
6269	LANDSCAPE MATERIALS	24,972	18,304	12,623	17,795	27,500	27,500
6271	SIGN REPAIR MATERIALS	121	382	-	1,148	2,000	3,000
6275	OTHER EQUIPMENT PARTS	6,158	662	3,074	2,933	7,500	5,500
6268	IRRIGATION SUPPLIES	9,317	13,000	6,025	16,118	10,000	12,750
REPAIR AND MAINTENANCE SUPPLIES		**385,559**	**395,411**	**346,421**	**474,577**	**481,516**	**633,490**
SMALL TOOLS AND MINOR EQUIPMENT							
6282	EMERGENCY SUPPLIES - COVID	-	436,995	-	-	-	-
6281	SMALL TOOLS & MINOR EQUIPMENT	118,464	147,294	141,803	182,804	200,720	215,820
SMALL TOOLS AND MINOR EQUIPMENT		**118,464**	**584,290**	**141,803**	**182,804**	**200,720**	**215,820**
MERCHANDISE FOR RESALE							
6291	CULVERTS, SIGNS, STREET SUPPLY	505	50	-	-	200	400
MERCHANDISE FOR RESALE		**505**	**50**	**-**	**-**	**200**	**400**
SUPPLIES Total		**913,056**	**1,413,878**	**915,468**	**1,237,507**	**1,326,261**	**1,571,677**
OTHER SERVICES & CHARGES							
PROFESSIONAL SERVICES							
6302	AUDITING & ACCOUNTING SERVICES	36,580	36,455	42,501	39,128	43,800	42,200
6304	LEGAL FEES	151,343	123,305	124,320	120,510	125,000	128,000
6305	MEDICAL/PSYCHOLOGICAL FEES	6,425	-	-	-	-	-
6306	PERSONNEL TESTING & RECRUITMT	800	14,042	16,825	24,634	20,000	25,000
6315	MISCELLANEOUS PROFESSIONAL SER	422,044	392,060	289,515	273,357	275,000	282,800
PROFESSIONAL SERVICES		**617,192**	**565,862**	**473,160**	**457,629**	**463,800**	**478,000**
COMMUNICATION							
6321	TELEPHONE	17,842	15,787	15,624	13,675	15,000	15,600
6322	POSTAGE	17,517	16,852	19,170	17,806	23,004	24,400
6323	CELLULAR PHONES	33,701	35,590	39,113	43,623	50,520	53,083
6325	LONG DISTANCE CHARGES	-	-	-	-	-	-
COMMUNICATION		**69,060**	**68,229**	**73,907**	**75,103**	**88,524**	**93,083**

	EMPLOYEE REIMBURSEMENTS						
6331	TRAVEL & LODGING	11,972	3,012	6,500	9,975	15,650	18,500
6334	MILEAGE REIMBURSEMENT	639	170	93	559	1,250	1,000
6335	TRAINING	91,174	71,345	95,871	107,609	122,945	152,240
EMPLOYEE REIMBURSEMENTS		**103,785**	**74,528**	**102,463**	**118,143**	**139,845**	**171,740**
	ADVERTISING AND PUBLISHING						
6352	GENERAL NOTICE & PUBLIC INFOR	34,969	30,311	35,265	38,966	42,500	46,100
6353	ORDINANCE PUBLICATION	876	2,575	1,301	2,322	2,000	2,000
6354	HELP WANTED ADVERTISEMENTS	2,305	1,905	3,276	7,302	3,500	3,500
ADVERTISING AND PUBLISHING		**38,150**	**34,790**	**39,841**	**48,591**	**48,000**	**51,600**
	INSURANCE						
6361	GENERAL LIABILITY/PROPERTY INS	145,692	154,021	154,910	175,764	199,601	259,647
INSURANCE		**145,692**	**154,021**	**154,910**	**175,764**	**199,601**	**259,647**
	UTILITIES						
6371	ELECTRIC UTILITIES	153,221	158,084	170,313	172,305	198,200	196,520
6372	WATER/IRRIGATION	15,205	22,127	24,446	18,053	27,200	24,800
6373	GAS	45,139	33,540	51,899	72,127	80,000	89,750
6374	REFUSE/RECYCLING	12,945	12,803	15,322	16,853	11,450	20,550
UTILITIES		**226,511**	**226,554**	**261,980**	**279,338**	**316,850**	**331,620**
	REPAIRS AND MAINTENANCE - LABOR						
6381	BUILDING & STRUCTURE REPAIR	19,827	27,600	23,340	33,095	35,200	84,840
6382	MACHINERY & EQUIPMENT REPAIR	33,424	28,075	34,588	48,494	50,500	56,100
6383	OFFICE EQUIPMENT REPAIR	-	-	-	-	-	-
6386	BRAKE REPAIR	-	-	-	-	-	-
6387	TIRE MOUNTING & BALANCING	160	300	255	60	400	400
6388	OTHER VEHICLE REPAIR	102,635	72,106	73,784	78,514	89,500	97,000
6389	TOWING SERVICES	1,623	2,037	240	3,096	3,500	3,500
REPAIRS AND MAINTENANCE - LABOR		**157,669**	**130,118**	**132,207**	**163,259**	**179,100**	**241,840**
	REPAIRS AND MAINTENANCE - CONTRACTS						
6404	MACHINERY & EQUIPMENT	1,332	1,332	1,221	3,458	-	3,500
6405	OFFICE & DATA PROCESSING EQUIP	344,102	366,660	415,748	434,785	439,497	590,100
REPAIRS AND MAINTENANCE - CONTRACTS		**345,433**	**367,991**	**416,968**	**438,243**	**439,497**	**593,600**
	RENTALS						
6413	OFFICE EQUIPMENT RENTAL	4,837	5,995	5,265	3,483	6,000	9,000
6415	OTHER EQUIPMENT RENTAL	119,147	36,671	46,406	41,405	54,325	56,150
6416	MACHINERY RENTAL	275	-	-	-	300	-
6417	UNIFORM RENTAL	1,948	1,710	1,841	913	800	1,100
RENTALS		**126,208**	**44,376**	**53,512**	**45,800**	**61,425**	**66,250**
	DUES, SUBSCRIPTIONS, AND REGISTRATION FEES						
6451	MEMBERSHIP DUES	58,318	48,325	44,801	47,023	50,725	55,055
6452	SUBSCRIPTIONS	2,238	1,321	1,216	1,458	1,900	1,450
DUES, SUBSCRIPTIONS, AND REGISTRATION FEES		**60,556**	**49,647**	**46,017**	**48,481**	**52,625**	**56,505**
	BOOKS AND PAMPHLETS						
6471	BOOKS & PAMPHLETS	707	2,331	1,132	2,384	3,800	3,800
BOOKS AND PAMPHLETS		**707**	**2,331**	**1,132**	**2,384**	**3,800**	**3,800**
	CONTRACTED SERVICES						
6488	STREET MAINTENANCE CONTRACT	237,483	500,000	462,784	294,998	575,000	555,000
6489	OTHER CONTRACTED SERVICES	373,918	408,019	359,004	373,625	371,000	419,500
CONTRACTED SERVICES		**611,401**	**908,019**	**821,788**	**668,623**	**946,000**	**974,500**
OTHER SERVICES & CHARGES Total		**2,502,365**	**2,626,465**	**2,577,885**	**2,521,359**	**2,939,067**	**3,322,185**
CAPITAL OUTLAY							
	CAPITAL OUTLAY						
6520	BUILDINGS	-	-	-	-	-	-
6540	HEAVY MACHINERY	185,980	42,861	116,891	103,199	298,750	979,518
6550	MOTOR VEHICLES	145,289	351,094	477,246	47,226	701,578	1,134,629
6580	OTHER EQUIPMENT	136,289	48,692	383,672	118,639	73,855	746,316
6585	COMPUTER HARDWARE/SOFTWARE	81,526	24,423	-	26,894	-	37,000
CAPITAL OUTLAY		**549,084**	**467,070**	**977,809**	**295,957**	**1,074,183**	**2,897,463**
CAPITAL OUTLAY Total		**549,084**	**467,070**	**977,809**	**295,957**	**1,074,183**	**2,897,463**
TRANSFERS OUT							
	OPERATING TRANSFERS						
6820	OPERATING TRANSFERS TO OTHER F	575,817	1,376,215	409,801	272,688	106,373	106,373
OPERATING TRANSFERS		**575,817**	**1,376,215**	**409,801**	**272,688**	**106,373**	**106,373**
TRANSFERS OUT Total		**575,817**	**1,376,215**	**409,801**	**272,688**	**106,373**	**106,373**
DEBT SERVICE							
	DEBT SERVICE						
6603	OTHER L.T. OBLIGATION PRINCIPA	61,853	61,853	61,853	61,853	-	-
DEBT SERVICE		**61,853**	**61,853**	**61,853**	**61,853**	**-**	**-**
DEBT SERVICE Total		**61,853**	**61,853**	**61,853**	**61,853**	**-**	**-**
TOTAL EXPENDITURES & OTHER FINANCING		**12,842,311**	**14,804,733**	**14,414,283**	**14,562,355**	**17,055,153**	**20,799,768**

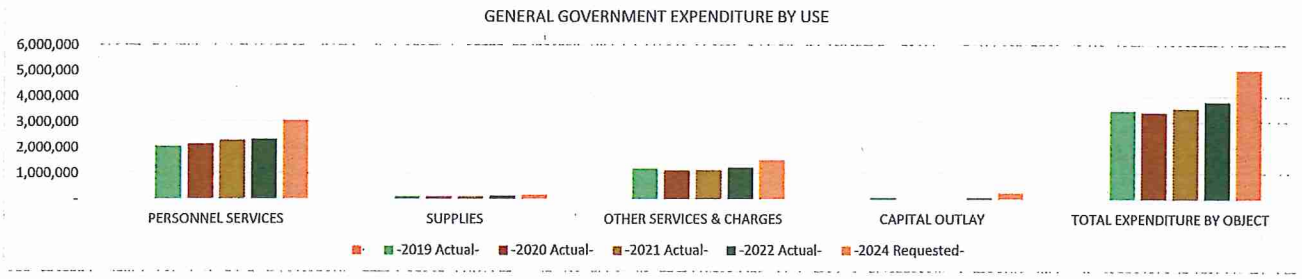
FUND: GENERAL

Business Unit	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
REVENUE					
9101 - GENERAL FUND REVENUE	15,656,715	14,748,266	15,389,426	17,055,153	20,799,768
TOTAL REVENUE	**15,656,715**	**14,748,266**	**15,389,426**	**17,055,153**	**20,799,768**
EXPENDITURES					
111 - MAYOR AND COUNCIL	104,534	100,563	106,114	129,607	127,315
114 - COMMISSIONS	3,213	3,666	2,709	3,853	3,968
130 - ADMINISTRATION	795,368	852,730	913,981	1,019,778	1,076,533
141 - ELECTIONS	53,763	7,784	44,689	6,650	54,861
153 - FINANCE	379,167	408,717	362,854	386,910	440,666
155 - ASSESSING	147,722	120,463	125,272	130,000	133,000
161 - LEGAL SERVICES	124,533	125,477	121,422	126,600	128,915
191 - PLANNING AND ZONING	653,382	733,882	665,874	854,650	974,899
192 - DATA PROCESSING	582,467	606,281	773,912	818,662	1,063,589
194 - GENERAL GOVERNMENT BUILDINGS	501,162	529,125	643,514	667,254	968,079
195 - NEWSLETTER	45,123	52,132	54,618	59,080	63,067
211 - POLICE PROTECTION	4,122,916	4,547,484	4,726,260	5,505,623	6,064,087
220 - FIRE PROTECTION	1,384,635	1,352,166	1,427,516	1,761,760	2,219,602
240 - BUILDING INSPECTION	519,585	538,198	564,838	721,415	708,859
250 - CIVIL DEFENSE	2,288	3,287	9,637	43,350	47,800
260 - TRAFFIC ENGINEERING	68,686	71,628	79,873	111,706	174,767
270 - ANIMAL CONTROL	993	743	1,399	6,250	6,750
280 - COMMUNITY ORIENTING POLICING	13,092	13,115	12,774	16,125	19,450
301 - ENGINEERING	383,947	381,476	446,849	554,975	680,214
311 - STREET MAINTENANCE	1,336,038	1,747,168	1,332,827	2,001,574	2,908,542
312 - SNOW AND ICE REMOVAL	289,211	264,815	374,270	342,822	531,277
452 - PARK AND RECREATION	1,418,871	1,481,802	1,445,077	1,661,536	2,277,155
892 - MISCELLANEOUS/CONTINGENCY	1,875,063	474,396	334,541	124,973	126,373
TOTAL EXPENDITURES	**14,805,758**	**14,417,097**	**14,570,820**	**17,055,153**	**20,799,768**

GENERAL FUND 101 - GENERAL GOVERNMENT

GENERAL GOVERNMENT	111-195

EXPENDITURE BY OBJECT SUMMARY	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES	2,064,191	2,140,494	2,289,527	2,342,157	2,711,907	3,071,452
SUPPLIES	120,179	98,236	112,476	150,454	166,295	179,487
OTHER SERVICES & CHARGES	1,201,503	1,127,282	1,138,745	1,240,724	1,324,842	1,527,953
CAPITAL OUTLAY	81,526	24,423	-	74,120	-	256,000
TOTAL EXPENDITURE BY OBJECT	**3,467,400**	**3,390,435**	**3,540,747**	**3,807,456**	**4,203,044**	**5,034,892**



LINE ITEM DETAIL BY COST CENTER OR SUB-FUNCTION

GENERAL GOVERNMENT						111-195

EXPENDITURE BY OBJECT RECAP ALL SUB-FUNCTIONS		-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES							
WAGES AND SALARIES							
6102	F.T. REGULAR-WAGES & SALARIES	1,432,355	1,520,613	1,599,305	1,618,640	1,923,768	2,164,409
6103	FULL TIME-REGULAR-OVERTIME	2,645	4,762	2,051	4,477	-	-
6104	PART TIME-WAGES & SALARIES	154,597	120,512	124,988	144,822	167,400	185,300
6105	TEMPORARY-WAGES & SALARIES	31,147	37,425	20,245	62,028	3,500	38,060
6107	OVERTIME-PART TIME	1,905	1,408	-	4,686	-	-
TOTAL WAGES AND SALARIES		**1,622,649**	**1,684,720**	**1,746,589**	**1,834,652**	**2,094,668**	**2,387,769**
OTHER GROSS EARNINGS							
6108	SEVERANCE PAY	14,464	-	63,330	8,699	-	-
TOTAL OTHER GROSS EARNINGS		**14,464**	**-**	**63,330**	**8,699**	**-**	**-**
EMPLOYER CONTRIBUTIONS							
6121	PERA CONTRIBUTIONS	112,726	117,717	124,209	129,895	151,514	174,228
6122	FICA/MEDICARE CONTRIBUTIONS	117,515	119,590	128,509	133,584	168,547	190,605
6123	ICMA RETIREMENT TRUST	2,000	2,000	2,000	800	-	-
6131	GROUP INSURANCE	178,168	197,561	209,243	215,835	263,827	291,887
6133	WORKERS COMP INSURANCE PREMIUM	16,670	18,906	15,646	18,693	33,351	26,963
TOTAL EMPLOYER CONTRIBUTIONS		**427,079**	**455,775**	**479,607**	**498,806**	**617,239**	**683,683**
Total PERSONNEL SERVICES		**2,064,191**	**2,140,494**	**2,289,527**	**2,342,157**	**2,711,907**	**3,071,452**
SUPPLIES							
OFFICE SUPPLIES							
6203	DUPLICATING SUPPLY & COPY PAPE	2,174	4,725	2,174	2,198	5,000	5,000
6204	STATIONERY, ENVELOPES & FORMS	1,472	1,242	1,579	5,830	3,600	4,100
6206	FILM, MICROFILM, TAPES, DISKS	-	-	-	-	-	-
6208	MISCELLANEOUS OFFICE SUPPLIES	4,052	5,918	4,711	4,680	6,675	6,775
TOTAL OFFICE SUPPLIES		**7,698**	**11,886**	**8,464**	**12,708**	**15,275**	**15,875**
OPERATING SUPPLIES							
6221	CLEANING SUPPLIES	1,503	1,391	2,496	1,910	3,500	3,500
6223	GASOLINE	2,466	1,543	2,455	3,390	4,000	4,000
6225	DIESEL FUEL	793	758	451	2,172	1,500	2,000
6231	UNIFORMS & TURN-OUT GEAR	1,605	2,269	1,575	2,199	2,000	2,500
6247	HAPPY DAYS SUPPLIES	12,000	-	7,000	7,000	12,000	12,000
6249	MISCELLANEOUS OPERATING SUPPLY	32,969	35,036	35,526	53,046	42,800	50,792
6246	MARKETING	1,210	-	1,051	198	3,000	2,500
TOTAL OPERATING SUPPLIES		**52,547**	**40,997**	**50,554**	**69,915**	**68,800**	**77,292**
REPAIR AND MAINTENANCE SUPPLIES							
6257	OTHER VEHICLE PARTS	4,101	623	280	3,200	1,500	2,000
6259	BUILDING MAINT/REPAIR SUPPLIES	4,001	1,994	4,036	5,313	7,000	7,500
TOTAL REPAIR AND MAINTENANCE SUPPLIES		**8,103**	**2,617**	**4,316**	**8,513**	**8,500**	**9,500**
SMALL TOOLS AND MINOR EQUIPMENT							
6281	SMALL TOOLS & MINOR EQUIPMENT	51,832	42,736	49,142	59,318	73,720	76,820
TOTAL SMALL TOOLS AND MINOR EQUIPMENT		**51,832**	**42,736**	**49,142**	**59,318**	**73,720**	**76,820**
Total SUPPLIES		**120,179**	**98,236**	**112,476**	**150,454**	**166,295**	**179,487**
OTHER SERVICES & CHARGES							
PROFESSIONAL SERVICES							
6302	AUDITING & ACCOUNTING SERVICES	32,680	32,405	38,260	34,712	39,500	37,000
6304	LEGAL FEES	151,343	123,305	124,320	120,510	125,000	128,000
6305	MEDICAL/PSYCHOLOGICAL FEES	6,425	-	-	-	-	-
6306	PERSONNEL TESTING & RECRUITMT	800	14,042	16,825	24,634	20,000	25,000
6315	MISCELLANEOUS PROFESSIONAL SER	148,577	110,803	60,556	64,693	85,000	82,600
TOTAL PROFESSIONAL SERVICES		**339,824**	**280,554**	**239,961**	**244,549**	**269,500**	**272,600**
COMMUNICATION							
6321	TELEPHONE	10,261	8,838	9,368	13,675	15,000	15,600
6322	POSTAGE	13,119	14,202	14,529	14,867	17,050	17,700
6323	CELLULAR PHONES	5,136	4,554	5,743	43,623	50,520	53,083
6325	LONG DISTANCE CHARGES	-	-	-	-	-	-
TOTAL COMMUNICATION		**28,515**	**27,594**	**29,640**	**72,165**	**82,570**	**86,383**

EMPLOYEE REIMBURSEMENTS							
6331	TRAVEL & LODGING	7,938	155	804	1,460	6,500	7,500
6334	MILEAGE REIMBURSEMENT	111	-	-	84	500	500
6335	TRAINING	19,771	7,611	16,580	17,959	29,300	39,300
TOTAL EMPLOYEE REIMBURSEMENTS		**27,820**	**7,765**	**17,385**	**19,504**	**36,300**	**47,300**
ADVERTISING AND PUBLISHING							
6352	GENERAL NOTICE & PUBLIC INFOR	34,969	30,311	35,265	38,966	42,500	46,100
6353	ORDINANCE PUBLICATION	876	2,575	1,301	2,322	2,000	2,000
6354	HELP WANTED ADVERTISEMENTS	2,305	1,905	3,276	7,302	3,500	3,500
TOTAL ADVERTISING AND PUBLISHING		**38,150**	**34,790**	**39,841**	**48,591**	**48,000**	**51,600**
INSURANCE							
6361	GENERAL LIABILITY/PROPERTY INS	33,983	34,162	35,616	30,378	45,401	32,669
TOTAL INSURANCE		**33,983**	**34,162**	**35,616**	**30,378**	**45,401**	**32,669**
UTILITIES							
6371	ELECTRIC UTILITIES	90,508	94,612	99,184	99,439	112,000	112,000
6372	WATER/IRRIGATION	2,057	2,853	2,412	2,928	3,200	3,300
6373	GAS	29,313	20,395	30,273	40,961	42,000	49,000
6374	REFUSE/RECYCLING	4,790	5,230	4,852	5,569	5,650	7,050
TOTAL UTILITIES		**126,668**	**123,090**	**136,723**	**148,896**	**162,850**	**171,350**
REPAIRS AND MAINTENANCE - LABOR							
6381	BUILDING & STRUCTURE REPAIR	7,641	9,855	7,747	9,127	22,000	23,000
6382	MACHINERY & EQUIPMENT REPAIR	11,461	12,554	13,193	19,344	22,000	23,000
6388	OTHER VEHICLE REPAIR	1,845	343	2,043	241	1,500	2,000
TOTAL REPAIRS AND MAINTENANCE - LABOR		**20,947**	**22,752**	**22,982**	**28,712**	**45,500**	**48,000**
REPAIRS AND MAINTENANCE - CONTRACTS							
6405	OFFICE & DATA PROCESSING EQUIP	302,488	314,997	366,110	387,787	358,971	538,671
TOTAL REPAIRS AND MAINTENANCE - CONTRACTS		**302,488**	**314,997**	**366,110**	**387,787**	**358,971**	**538,671**
RENTALS							
6415	OTHER EQUIPMENT RENTAL	-	-	-	-	-	-
TOTAL RENTALS		**-**	**-**	**-**	**-**	**-**	**-**
DUES, SUBSCRIPTIONS, AND REGISTRATION FEES							
6451	MEMBERSHIP DUES	51,387	39,559	38,598	38,014	39,850	42,930
6452	SUBSCRIPTIONS	1,551	1,280	589	1,458	1,900	1,450
TOTAL DUES, SUBSCRIPTIONS, AND REGISTRATION FEES		**52,938**	**40,840**	**39,187**	**39,472**	**41,750**	**44,380**
BOOKS AND PAMPHLETS							
6471	BOOKS & PAMPHLETS	-	-	-	-	-	-
TOTAL BOOKS AND PAMPHLETS		**-**	**-**	**-**	**-**	**-**	**-**
CONTRACTED SERVICES							
6489	OTHER CONTRACTED SERVICES	230,169	240,738	211,300	220,670	234,000	235,000
TOTAL CONTRACTED SERVICES		**230,169**	**240,738**	**211,300**	**220,670**	**234,000**	**235,000**
Total OTHER SERVICES & CHARGES		**1,201,503**	**1,127,282**	**1,138,745**	**1,240,724**	**1,324,842**	**1,527,953**
CAPITAL OUTLAY							
CAPITAL OUTLAY							
6520	BUILDINGS	-	-	-	-	-	-
6550	MOTOR VEHICLES	-	-	-	47,226	-	58,000
6580	OTHER EQUIPMENT	-	-	-	-	-	161,000
6585	COMPUTER HARDWARE/SOFTWARE	81,526	24,423	-	26,894	-	37,000
TOTAL CAPITAL OUTLAY		**81,526**	**24,423**	**-**	**74,120**	**-**	**256,000**
Total CAPITAL OUTLAY		**81,526**	**24,423**	**-**	**74,120**	**-**	**256,000**
TOTAL EXPENDITURES & OTHER FINANCING		**3,467,400**	**3,390,435**	**3,540,747**	**3,807,456**	**4,203,044**	**5,034,892**

3540820

FUND GENERAL

MAYOR AND COUNCIL

BUDGET SUMMARY:

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0111	6104	PART TIME-WAGES & SALARIES	36,932	33,605	40,350	38,000	46,400	44,000
0111	6121	PERA CONTRIBUTIONS	775	1,002	1,300	1,300	1,300	1,300
0111	6122	FICA/MEDICARE CONTRIBUTIONS	2,838	2,571	3,093	2,907	3,366	3,366
0111	6131	GROUP INSURANCE	3,648	7,895				
0111	6133	WORKERS COMP INSURANCE PREMIUM	130	148	242	116	250	233
0111	6247	HAPPY DAYS	12,000	-	7,000	7,000	12,000	12,000
0111	6249	MISCELLANEOUS OPERATING SUPPLY	11,485	6,530	13,684	21,308	14,000	17,200
0111	6315	MISCELLANEOUS PROFESSIONAL SER	-	15,170		-	15,000	7,000
0111	6322	POSTAGE		-	-			
0111	6331	TRAVEL & LODGING	2,268	136	-	-	1,000	2,000
0111	6335	TRAINING	753	903	175	-	1,000	2,500
0111	6361	GENERAL LIABILITY/PROPERTY INS	1,177	1,070	1,011	823	1,291	936
0111	6451	MEMBERSHIP DUES	46,963	35,504	33,708	34,661	34,000	36,780
Total Expenditure			**118,969**	**104,534**	**100,563**	**106,114**	**129,607**	**127,315**

PERSONNEL COMPLEMENT

Mayor	1.00	1.00	1.00	1.00	1.00	1.00
Council	6.00	6.00	6.00	6.00	6.00	6.00
Mayor and Council Total	7.00	7.00	7.00	7.00	7.00	7.00

6249 Miscellaneous Operating Supplies

Mayor's Prayer Breakfast	400	-	270	340	400	400
Meals for Council Work sessions	2,861	3,435	3,364	2,353	4,000	4,000
Employee Recognition Event (January Event)	3,153	2,193	-	4,047	2,750	3,500
Tree Lighting/Outside Lights & Light Contest	1,400	-	8,932	10,438	750	750
Gala/Fundraising Events	1,340	-	225	805	2,000	2,000
Miscellaneous	2,331	902	893	3,325	4,100	4,100
	11,485	6,530	13,684	21,308	14,000	14,750

6315 Miscellaneous Professional Services

Citizen Survey		15,170			15,000	7,000
	-	15,170	-	-	15,000	7,000

6451 Dues

Anoka County Mediation Services	**2,882**	**-**	**-**			
Mississippi River Cities & Towns Initiatives (MRCTI)	**-**	**-**	**-**			
North Metro Mayors Association	**12,008**	**11,768**	**11,533**	**11,417**	**11,575**	**11,575**
North Metro Chamber (EDA)	**660**	**-**	**-**			
Missippi/Champlin Streamgage Agreement		**620**	**620**	**620**	**350**	**620**
Anoka Area Chamber of Commerce (EDA)	**410**	**410**	**-**			
Association of Metro Municipalities	**8,429**	**-**	**-**			
League of Minnesota Cities	**20,627**	**20,723**	**21,525**	**22,594**	**22,046**	**24,555**
MN Mayors Assoc	**30**	**30**	**30**	**30**	**30**	**30**
Metro Cities		**-**	**-**			
National League of Cities	**1,917**	**1,953**	**-**			
	46,963	35,504	33,708	34,661	34,000	36,780

DESCRIPTION OF SERVICES:

The Mayor and Council budget provides for legislative and policy making activities of the city on behalf of the citizens of Ramsey. They provide for the planning and control of all financial activities including approving the tax levy, rates and charges, and approval of expenditures.

BUDGET HIGHLIGHTS

- Bi-Annual Survey included in 2023 budget for $15,000 -Encumbered for 2024
- Additional $7,000 needed for study for total of $22,000
-

GOALS OF CURRENT YEAR BUDGET:

Establish and implement a Strategic Action Plan
Establish legislative priorities for the City
Maintain a stable tax levy rate

Performance Measurements:

	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Estimate	2024 Projected
Tax Levy Rate	40.35%	39.59%	39.25%	42.24%	40.54%	TBD

FUND GENERAL

COMMISSIONS

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0114	6105	TEMPORARY-WAGES & SALARIES	3,335	2,940	3,360	2,490	3,500	3,500
0114	6122	FICA/MEDICARE CONTRIBUTIONS	255	225	257	191	268	383
0114	6133	WORKERS COMP INSURANCE PREMIUM	16	15	12	7	25	25
0114	6322	POSTAGE		-				
0114	6361	GENERAL LIABILITY/PROPERTY INS	36	33	36	21	60	60
Total Expenditure			**3,642**	**3,213**	**3,666**	**2,709**	**3,853**	**3,968**

PERSONNEL COMPLEMENT							
Charter Commission Members		9.00	9.00	9.00	9.00	9.00	9.00
Planning Commission Members		7.00	7.00	7.00	7.00	7.00	7.00
	Commission Total	16.00	16.00	16.00	16.00	16.00	16.00

DESCRIPTION OF SERVICES:

The Commissions budget provides council-appointed committee members tasked to review and provide feedback on city plans, intiatives, and policies. Commissions include: Charter Commission, Economic Development Authority Commission, Environmental Policy Board Commission, Parks and Recreation Commission, and Planning Commission.

BUDGET HIGHLIGHTS

- No Changes

GOALS OF CURRENT YEAR BUDGET:

Assist the City Council in the implementation of the City's 3-Year Strategic Action Plan
Implement individual commissions' work plans and missions
Implement and manage individual commissions' budgets

Performance Measurements:

	2019 Actual	2020 Actual	2021 Projected	2022 Projected	2023 Projected	2024 Projected
# of Meetings: Charter Commission	2	1	2	2	2	2
# of Meetings: Economic Development Authority Commission	10	12	12	12	12	12
# of Meetings: Environmental Policy Board Commission	10	10	11	11	11	11
# of Meetings: Parks and Recreation Commission	11	11	10	10	10	10
# of Meetings: Planning Commission	13	15	17	17	17	17
# of Meetings: City Council Regular Session	23	23	23	23	23	23
# of Meetings: City Council Work Session	31	26	25	25	25	25
# of Meetings: Public Works Committee	9	10	8	8	8	8

FUND GENERAL

ADMINISTRATION

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0130	6102	F.T. REGULAR-WAGES & SALARIES	497,636	524,501	554,618	562,006	649,108	686,538
0130	6103	FULL TIME-REGULAR-OVERTIME	261	1,315				
0130	6104	PART TIME-WAGES & SALARIES	36,677	580		16,383	24,553	25,389
0130	6105	TEMPORARY-WAGES & SALARIES	9,336	-	9,394	37,276		
0130	6108	SEVERANCE PAY	14,464					
0130	6121	PERA CONTRIBUTIONS	36,244	38,391	40,765	42,721	50,525	53,395
0130	6122	FICA/MEDICARE CONTRIBUTIONS	38,717	37,053	40,080	43,360	56,154	59,336
0130	6123	ICMA RETIREMENT TRUST	2,000	2,000	2,000	800	-	
0130	6131	GROUP INSURANCE	58,925	73,945	80,105	71,806	81,197	81,529
0130	6133	WORKERS COMP INSURANCE PREMIUM	3,007	3,210	2,447	3,077	5,941	3,931
0130	6203	DUPLICATING SUPPLY & COPY PAPE	2,174	4,725	2,174	2,198	5,000	5,000
0130	6204	STATIONERY, ENVELOPES & FORMS	1,039	870	738	5,458	3,000	3,500
0130	6208	MISCELLANEOUS OFFICE SUPPLIES	3,046	3,455	2,570	3,413	5,000	5,000
0130	6246	MARKETING	1,210	-	1,051	198	3,000	2,500
0130	6249	MISCELLANEOUS OPERATING SUPPLY	4,305	6,527	2,707	4,204	6,500	6,500
0130	6305	MEDICAL/PSYCHOLOGICAL FEES	6,425	-	-		-	-
0130	6306	PERSONNEL TESTING	800	14,042	16,825	24,634	20,000	25,000
0130	6315	MISCELLANEOUS PROFESSIONAL SER	44,262	52,159	57,453	63,894	60,000	65,600
0130	6321	TELEPHONE	1,006	1,044	1,082	-	-	-
0130	6322	POSTAGE	356	424	385	121	1,000	1,000
0130	6323	CELLULAR PHONES	1,397	883	933	-	-	-
0130	6331	TRAVEL & LODGING	4,409	-	804	491	4,000	4,000
0130	6334	MILEAGE REIMBURSEMENT	111	-	-	84	-	-
0130	6335	TRAINING	14,233	4,787	11,598	10,128	20,000	26,600
0130	6352	GENERAL NOTICE & PUBLIC INFOR	285	570	188	172	1,000	1,000
0130	6353	ORDINANCE PUBLICATION	876	2,575	1,301	2,322	2,000	2,000
0130	6354	HELP WANTED ADVERTISEMENTS	2,305	1,905	3,276	7,302	3,500	3,500
0130	6361	GENERAL LIABILITY/PROPERTY INS	8,008	8,108	8,410	7,067	10,000	7,365
0130	6405	OFFICE & DATA PROCESSING EQUIP	14,129	9,462	9,130	2,231	4,400	4,400
0130	6451	MEMBERSHIP DUES	3,247	2,418	2,109	1,919	3,000	3,000
0130	6452	SUBSCRIPTIONS	764	421	589	714	900	450
0130	6489	OTHER CONTRACTED SERVICES	-	-				
Total Expenditure			**811,654**	**795,368**	**852,730**	**913,981**	**1,019,778**	**1,076,533**

PERSONNEL COMPLEMENT						
City Administrator	1.00	1.00	1.00	1.00	1.00	1.00
Assistant City Administrator/Econ Dev Dir	-	-	-	-	-	-
Human Resources Manager	-	-	-	-	-	-
Director of Administrative Services	1.00	1.00	1.00	1.00	1.00	1.00
City Clerk	0.50	-	-	1.00	0.80	0.80
Deputy City Clerk	-	-	1.00	-	-	-
HR Generalist	-	1.00	1.00	1.00	1.00	1.00
HR Specialist	-	-	-	1.00	1.00	1.00
Administrative Clerks	1.00	1.00	1.00	1.00	1.00	1.00
Mgmt Intern	0.50	0.50	0.50	-	-	-
Administrative Assistant	1.73	1.00	-	-	-	-
Public Information & Events Specialist	1.00	1.00	1.00	-	-	-
Communications Coordinator	-	-	-	1.00	1.00	1.00
Receptionist	1.00	1.00	1.00	1.50	1.50	1.50
Administration Total	7.73	7.50	7.50	8.50	8.30	8.30

6249 Miscellaneous Operating Supplies						
Employee Recognition	1,813	1,703	1,713	2,253	2,900	2,900
Expenses for staff workshops and other misc. operating supplies.	2,492	4,824	994	1,951	3,600	3,600
	4,305	6,527	2,707	4,204	6,500	6,500

6315 Miscellaneous Professional Services						
Insurance Agent of Record Annual Fee	7,000	7,000	7,000	7,000	7,000	7,000
Flex Spending(admin & deposit)	4,248	4,301	5,436	3,621	5,500	5,500
Employee Assistance Program-Cobra/HSA/Group Health	1,300	4,211	3,468	3,687	3,500	3,500
City Code Codification	1,677	2,016	8,266	6,363	8,000	8,000
Miscellaneous department charges-WC Deduction/Unemployment	5,417	6,070	5,193	12,039	10,000	15,000
Recruiting Software	3,000	3,440	3,681	3,920	4,000	4,000
Health admin/enrollment	2,900	4,320				
Minute Taking	18,720	20,801	24,410	27,263	22,000	22,600
	44,262	52,159	57,453	63,894	60,000	65,600

6451 Dues						
IPMA - National	150	156	-		-	-
ICMA	1,200	1,300	1,259	1,356	1,375	1,400
MCCMA	168	338	188	174	350	275
MAMA	45		-		45	50
Miscellaneous	1,084	474	524	389	1,230	1,275
HR organizations-misc			138			
Rotary	600	150	-	-		
	3,247	2,418	2,109	1,919	3,000	3,000

DESCRIPTION OF SERVICES:

The Administration Department is generally responsible for the execution of city policy/ strategic plan as adopted by the City Council, prepares and maintains official records, provides for the licensing of local businesses and activities as required by state law or city ordinance, provides Human Resource services, and generally oversees the coordination of events and communications for the City.

BUDGET HIGHLIGHTS

- COLA & Steps

GOALS OF CURRENT YEAR BUDGET:

Oversee implementation of the Council Strategic Action Plan and Legislative Priorities
Optimize use of non-city funding through joint projects, grants, and partnerships

FUND GENERAL **ELECTIONS**

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0141	6102	F.T. REGULAR-WAGES & SALARIES	1,716	5,842	388	8,041	-	9,000
0141	6103	FULL TIME-REGULAR-OVERTIME	1,309	1,583		1,095	-	
0141	6104	PART TIME-WAGES & SALARIES	392	1,562	128		-	
0141	6105	TEMPORARY-WAGES & SALARIES	9,264	34,485	1,583	22,261	-	34,560
0141	6121	PERA CONTRIBUTIONS	256	671	39	706	-	675
0141	6122	FICA/MEDICARE CONTRIBUTIONS	246	677	36	642	-	689
0141	6133	WORKERS COMP INSURANCE PREMIUM	57	212	7	130	-	270
0141	6208	MISCELLANEOUS OFFICE SUPPLIES	-	-	-	-	-	
0141	6249	MISCELLANEOUS OPERATING SUPPLY	1,184	2,602	-	5,631	500	3,267
0141	6281	SMALL TOOLS & MINOR EQUIPMENT	7,425	5,476	5,524	5,717	6,000	5,800
0141	6322	POSTAGE	36	105	3	120	50	100
0141	6361	GENERAL LIABILITY/PROPERTY INS	219	550	77	346	100	500
0141	6451	MEMBERSHIP DUES	-	-	-	-		
0141	6580	OTHER EQUIPMENT	-			-	-	-
Total Expenditure			**22,103**	**53,763**	**7,784**	44,689	6,650	54,861

DESCRIPTION OF SERVICES:

The Elections budget provides funds needed to conduct the national, state, and local elections in accordance with statutory requirements.

BUDGET HIGHLIGHTS

- Election Year
-

Performance Measurements:						
	2016	2018	2020	2022	2024	
Number of Votes	16927	11764	16483	TBD		
Number of Voters registered Election Day	17280	15890	17428	TBD		
Percent (votes/registered)	97.96%	74.03%	94.58%	#VALUE!	#DIV/0!	
Number of Wards	4	4	4	4	4	
Number of Precincts	8	8	8	9	9	

FUND GENERAL

FINANCE

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0153	6102	F.T. REGULAR-WAGES & SALARIES	256,779	265,330	276,264	247,373	260,839	304,115
0153	6108	SEVERANCE PAY	-		11,013	8,699		
0153	6121	PERA CONTRIBUTIONS	18,954	19,489	20,428	18,501	19,563	22,809
0153	6122	FICA/MEDICARE CONTRIBUTIONS	18,222	19,025	20,511	19,299	20,957	24,895
0153	6131	GROUP INSURANCE	28,896	27,432	26,242	19,708	25,801	34,706
0153	6133	WORKERS COMP INSURANCE PREMIUM	1,395	1,568	1,190	1,246	2,400	1,996
0153	6204	STATIONERY, ENVELOPES & FORMS	433	372	841	372	600	600
0153	6208	MISCELLANEOUS OFFICE SUPPLIES	390	1,861	264	312	400	400
0153	6302	AUDITING & ACCOUNTING SERVICES	32,680	32,405	38,260	34,712	39,500	37,000
0153	6321	TELEPHONE	447	464	443	-	-	
0153	6322	POSTAGE	1,689	1,574	1,571	1,716	2,000	2,000
0153	6335	TRAINING	225	1,739	3,002	2,218	2,000	3,000
0153	6352	GENERAL NOTICE & PUBLIC INFOR	263	296	409	306	500	500
0153	6361	GENERAL LIABILITY/PROPERTY INS	3,637	3,874	4,052	2,800	4,500	2,795
0153	6451	MEMBERSHIP DUES	544	623	777	640	850	850
0153	6489	OTHER CONTRACTED SERVICES	3,035	3,114	3,450	4,952	7,000	5,000
Total Expenditure			**367,590**	**379,167**	**408,717**	**362,854**	**386,910**	**440,666**

PERSONNEL COMPLEMENT						
Finance Director	1.00	1.00	1.00	1.00	1.00	1.00
Asst. Finance Director	1.00	1.00	1.00	1.00	1.00	1.00
Accountant I	-	-	-	-	1.00	1.00
Accountant II	1.00	1.00	-	-	-	1.00
Accountant III	-	-	1.00	1.00	-	-
Accounting Clerk	-	-	-	1.00	1.00	1.00
Sr. Accounting Clerk	1.00	1.00	1.00	-	-	-
Finance Total	4.00	4.00	4.00	4.00	4.00	5.00

DESCRIPTION OF SERVICES:

The Finance Department is responsible for financial reporting and budgeting, assessments, cash receipts, accounts receivable, accounts payable, payroll processing, debt service management and investment of all city funds.

BUDGET HIGHLIGHTS

- Accountant I - Reclass to Accountant II April 2024 - $2,530
- Accountant I - NEW- Start April 2024 - $43,312

GOALS OF CURRENT YEAR BUDGET:

- Continued long-term financial planning (5-Year Budget & i0-Year CIP)
- Continued CAFR award recognition
- Ensure compliance with state and federal laws

Performance Measurements:						
	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Projected	2024 Projected
Average Rate of Return	2.18%	2.00%	1.53%	1.64%	2.00%	2.00%
Bond Rating	AA+	AA+	AA+	AA+	AA+	AA+

FUND GENERAL

ASSESSING

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0155	6489	OTHER CONTRACTED SERVICES	143,667	147,722	120,463	125,272	130,000	133,000
Total Expenditure			**143,667**	**147,722**	**120,463**	**125,272**	**130,000**	**133,000**

DESCRIPTION OF SERVICES:

The Assessing budget provides contractual assessing services provided by Anoka County.

BUDGET HIGHLIGHTS

- No changes

GOALS OF CURRENT YEAR BUDGET:

Increase number of in-person assessment appraisals to better reflect market values

Performance Measurements:

	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Projected	2024 Projected
Number of Assessed Parcels - Residential Properties	8,848	8,993	8,987	9,347	9,122	9,487
Number of Assessed Parcels - Commercial Properties	384	383	387	402	393	408

FUND GENERAL **LEGAL**

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0161	6304	LEGAL FEES	151,343	123,305	124,320	120,510	125,000	128,000
0161	6361	GENERAL LIABILITY/PROPERTY INS	1,479	1,229	1,157	913	1,600	915
Total Expenditure			**152,821**	**124,533**	**125,477**	**121,422**	**126,600**	**128,915**

DESCRIPTION OF SERVICES:

The Legal budget provides for legal counsel to the City Council and city staff, reviews ordinances, resolutions, contracts and other legal documents. The budget also provides for prosecution services. The City's prosecution services are provided by Eckberg, Lammers Attorneys at Law and other legal services are provided by Holstad & Knaak, PLC

BUDGET HIGHLIGHTS

- No Changes

GOALS OF CURRENT YEAR BUDGET:

Ensure city compliance with all laws

FUND GENERAL

PLANNING AND ZONING

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0191	6102	F.T. REGULAR-WAGES & SALARIES	408,399	446,437	486,561	442,889	572,465	654,462
0191	6104	PART-TIME WAGES & SALARIES	31,332	34,004	40,016	62,985	67,500	83,376
0191	6105	TEMPORARY-WAGES & SALARIES	9,212	-	5,908	-		
0191	6108	SEVERANCE PAY	-		47,657	7,504		
0191	6121	PERA CONTRIBUTIONS	32,796	33,872	37,293	37,800	44,853	55,338
0191	6122	FICA/MEDICARE CONTRIBUTIONS	33,750	35,801	40,393	38,380	51,824	60,410
0191	6131	GROUP INSURANCE	42,110	39,841	49,990	56,284	77,009	83,890
0191	6133	WORKERS COMP INSURANCE PREMIUM	2,415	2,792	2,350	2,566	5,499	3,686
0191	6208	MISCELLANEOUS OFFICE SUPPLIES	464	565	1,805	542	1,000	1,000
0191	6249	MISCELLANEOUS OPERATING SUPPLY	473	3,551	2,374	1,347	3,000	3,000
0191	6315	MISCELLANEOUS PROFESSIONAL SER	104,315	43,474	3,103	799	10,000	10,000
0191	6321	TELEPHONE	559	585	637	-		
0191	6322	POSTAGE	481	754	851	565	1,000	1,000
0191	6323	CELLULAR PHONES	2,163	2,267	3,139	-	-	
0191	6325	LONG DISTANCE CHARGES	-				-	
0191	6331	TRAVEL & LODGING	1,261	19	-	969	1,500	1,500
0191	6334	MILEAGE REIMBURSEMENT		-	-	-	500	500
0191	6335	TRAINING	1,852	90	1,805	4,260	3,500	4,000
0191	6352	GENERAL NOTICE & PUBLIC INFOR	1,145	574	581	2,079	3,000	3,000
0191	6361	GENERAL LIABILITY/PROPERTY INS	6,663	6,884	7,415	5,366	9,000	6,437
0191	6451	MEMBERSHIP DUES	633	1,015	2,004	794	2,000	2,300
0191	6452	SUBSCRIPTIONS	787	859	-	744	1,000	1,000
0191	6471	BOOKS & PAMPHLETS	155					
0191	6550	VEHICLES				-	-	
Total Expenditure			**680,965**	**653,382**	**733,882**	**665,874**	**854,650**	**974,899**

PERSONNEL COMPLEMENT						
City Planner	2.00	2.00	1.00	-	1.00	1.00
Planning Manager				1.00	1.00	1.00
Senior City Planner	-	1.00	1.00	1.00	1.00	1.00
Community Development Director	1.00	-	-	-	-	-
Rental Housing Inspector	-	-	-	-	-	1.00
Zoning Code Enforcment Officer	-	-	1.00	1.00	1.00	1.00
Deputy City Administrator/Community Development Director	-	1.00	1.00	1.00	-	-
Community Development Director					1.00	1.00
Planning Technician	-	-	1.00	1.00	-	-
Economic Development Manager	1.00	1.00	1.00	1.00	1.00	1.00
Community Development Assistant	1.00	0.40	0.40	0.50	0.50	0.63
Planning Intern	0.50	0.50	0.50	-	-	-
Administrative Assistant	0.73	0.73	0.73	0.73	0.73	0.73
Planning & Zoning Total	6.23	6.63	7.63	7.23	7.23	8.36

DESCRIPTION OF SERVICES:

The mission of the Community Development Department is to guide residential and commercial growth through comprehensive planning processes and administer the city's building and zoning codes in a equitable and professional manner to promote and sustain public safety, quality of life, and the health and well being of the whole community.

The Planning Division's function is to prepare and implement the City's Comprehensive Plan (the City's land use guide) and comprises of two (2) major functions: long-range land use planning and zoning administration.

BUDGET HIGHLIGHTS

- Planning Admin Asst - Increase hours from 20 to 25 hours weekly - $8,715
- Rental Housing Inspector - NEW- Start April 1, 2024 - $76,551

GOALS OF CURRENT YEAR BUDGET:
All Land Use Applications processed with 60 days.
Standard plan review completed within 5 business day (previously 10 business days).
Improve Responsiveness to Code Violation Complaints
Improve image of key nodes/corridors and be proactive on site plans due to Ramsey Gateway
Improve the application process for land use applications.

Performance Measurements:						
	2019 Actual	2020 Actual	2021 Projected	2022 Actual	2023 Projected	2024 Projected
Number of Land Use Applications	53	43	40	44	40	40
Number of Permits	3,313	3,600	2,500	2,500	2,500	2,500
Number of Code Enforcement Cases	147	183	300	470	300	300

FUND GENERAL

DATA PROCESSING

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0192	6102	F.T. REGULAR-WAGES & SALARIES	149,915	158,179	146,476	189,159	246,091	266,191
0192	6104	PART TIME-WAGES & SALARIES	-	-	-			
0192	6108	SEVERANCE PAY	-		4,660			
0192	6121	PERA CONTRIBUTIONS	11,173	11,761	10,880	13,959	18,457	19,964
0192	6122	FICA/MEDICARE CONTRIBUTIONS	11,182	11,752	11,118	14,080	18,826	20,364
0192	6131	GROUP INSURANCE	20,645	22,369	22,400	28,513	37,888	40,557
0192	6133	WORKERS COMP INSURANCE PREMIUM	836	967	691	976	2,264	1,276
0192	6206	FILM, MICROFILM, TAPES, DISKS	-	-	-			
0192	6208	MISCELLANEOUS OFFICE SUPPLIES	153	37	71	414	275	375
0192	6249	MISCELLANEOUS OPERATING SUPPLY	1,060	455	299	542	800	825
0192	6281	SMALL TOOLS & MINOR EQUIPMENT	41,290	34,196	39,098	49,366	61,720	64,520
0192	6321	TELEPHONE	8,249	6,746	7,206	13,675	15,000	15,600
0192	6323	CELLULAR PHONES	-	-	72	43,623	50,520	53,083
0192	6335	TRAINING	2,708	91	-	1,354	2,800	3,200
0192	6361	GENERAL LIABILITY/PROPERTY INS	6,070	5,957	6,329	5,802	9,000	5,913
0192	6374	REFUSE/RECYCLING	-	-	-	-	450	450
0192	6405	OFFICE & DATA PROCESSING EQUIP	288,359	305,535	356,981	385,556	354,571	534,271
0192	6580	OTHER EQUIPMENT	-	-	-			
0192	6585	COMPUTER HARDWARE/SOFTWARE	81,526	24,423	-	26,894		37,000
Total Expenditure			**623,164**	**582,467**	**606,281**	**773,912**	**818,662**	**1,063,589**

PERSONNEL COMPLEMENT						
IT Manager	1.00	1.00	1.00	1	1	1
Systems & Security				1	1	1
IT Tech	0.73	1.00	1.00	1	1	1
Data Processing Total	1.73	2.00	2.00	3.00	3.00	3.00

6405 Office Equipment Contracts						
Support& Licensing (LOGIS)	10,000	4,120	7,519	6,470		9,800
Financial Support(General Ledger,P/R, S/A, F/A & System Dev)(LOGIS)	93,222	100,741	108,545	96,110	100,795	184,530
PIMS becomes Accella System Support (LOGIS)	35,169	44,271	46,115	47,875	49,880	67,126
Tungsten(LOGIS)	-	-	5,000	3,860	4,055	4,260
GIS (LOGIS)	38,500	42,753	48,415	50,115	52,620	55,251
Laser Fiche Licensing	7,000	8,000	8,000	6,423	14,250	23,940
Licensing/maintenance through Logis	65,417	58,783	57,290	37,247	15,191	22,171
Malware Bytes (3-Year Renewal)				10,411		
Digital Signage				5,870		3,300
Other Licensing/Maintenance (Civic Rec/Engineering-Autocad)			10,877	17,055	25,180	38,244
Internet (Included in LOGIS Support)	12,344	15,219	16,660	17,560	18,440	19,360
Server Backup/Hosting LOGIS		26,648	35,975	39,790	54,270	53,030
Copier/Printer Support	5,180	5,000	4,772	13,595	13,849	16,691
Agenda Quick				3,500		3,500
Phone Support				6,041	6,041	6,041
Miscellaneous				15,430		15,893
Website Annual Fee	21,527		7,814	8,205		11,135
	288,359	305,535	356,981	385,556	354,571	534,271

6585 Computer Hardware / Software						
Server Virtualization	81,526	24,423	-			
Universal Power Supply				26,894	-	-
Networking Switches - All Municipal Buildings			-			37,000
	81,526	24,423	-	26,894	-	37,000

DESCRIPTION OF SERVICES:

The Information Technology Department manages and maintains all voice, network, and data systems for the city. They also handle long-term project planning, technology implementations and helpdesk support for city staff.

BUDGET HIGHLIGHTS
• COLA & Steps
• $37,000 for network swtiches at City Hall, PW, Parking Ramp & Fire Stations (6585) (Equipment fund)

GOALS OF CURRENT YEAR BUDGET:
Ensure staff access to tools and resources in order to provide effective services to citizens. Identify efficiency, security, and cost-saving opportunities that improve/maintain city services using staff.

Performance Measurements:						
	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Projected	2024 Projected
Number of Physical Servers	4	4	2	3	3	3
Number of Virtualized Servers	7	7	12	14	13	13
Number of Desktop PCs / Laptops	162	162	173	177	180	180
Number of Phones	105	105	105	109	112	112
Number of Mobile Phones	62	62	62	65	65	65
Number of Tablets	18	18	20	23	30	30
Number of Wireless Access Points	8	8	11	18	28	28

FUND GENERAL

GENERAL GOVERN BUILDINGS

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0194	6102	F.T. REGULAR-WAGES & SALARIES	113,982	116,505	130,000	164,491	189,035	237,686
0194	6103	FULL TIME-REGULAR-OVERTIME	1,075	1,864	2,051	3,382		
0194	6104	PART TIME-WAGES & SALARIES	49,263	50,761	44,495	27,454	28,947	32,535
0194	6108	SEVERANCE PAY	1,905	1,408		4,686		
0194	6121	PERA CONTRIBUTIONS	12,232	12,245	13,130	14,556	16,349	20,266
0194	6122	FICA/MEDICARE CONTRIBUTIONS	11,980	12,171	12,608	14,339	16,676	20,671
0194	6131	GROUP INSURANCE	23,944	26,079	30,506	39,524	41,932	51,205
0194	6133	WORKERS COMP INSURANCE PREMIUM	8,796	9,975	8,687	10,552	16,915	15,496
0194	6221	CLEANING SUPPLIES	1,503	1,391	2,496	1,910	3,500	3,500
0194	6223	GASOLINE	2,466	1,543	2,455	3,390	4,000	4,000
0194	6225	DIESEL FUEL	793	758	451	2,172	1,500	2,000
0194	6231	UNIFORMS & TURN-OUT GEAR	1,605	2,269	1,575	2,199	2,000	2,500
0194	6249	MISCELLANEOUS OPERATING SUPPLY	14,463	15,371	16,462	20,014	18,000	20,000
0194	6257	OTHER VEHICLE PARTS	4,101	623	280	3,200	1,500	2,000
0194	6259	BUILDING MAINT/REPAIR SUPPLIES	4,001	1,994	4,036	5,313	7,000	7,500
0194	6275	OTHER EQUIPMENT PARTS	-					
0194	6281	SMALL TOOLS & MINOR EQUIPMENT	3,117	3,064	4,520	4,235	6,000	6,500
0194	6323	CELLULAR PHONES	1,575	1,403	1,671	-		
0194	6361	GENERAL LIABILITY/PROPERTY INS	6,210	5,995	6,609	6,816	9,000	7,320
0194	6371	ELECTRIC UTILITIES	90,508	94,612	99,184	99,439	112,000	112,000
0194	6372	WATER/IRRIGATION	2,057	2,853	2,412	2,928	3,200	3,300
0194	6373	GAS	29,313	20,395	30,273	40,961	42,000	49,000
0194	6374	REFUSE/RECYCLING	4,790	5,230	4,852	5,569	5,200	6,600
0194	6381	BUILDING & STRUCTURE REPAIR	7,641	9,855	7,747	9,127	22,000	23,000
0194	6382	MACHINERY & EQUIPMENT REPAIR	11,461	12,554	13,193	19,344	22,000	23,000
0194	6388	OTHER VEHICLE REPAIR	1,845	343	2,043	241	1,500	2,000
0194	6415	OTHER EQUIPMENT RENTAL	-					
0194	6417	UNIFORM RENTAL	-					
0194	6489	OTHER CONTRACTED SERVICES	83,467	89,902	87,387	90,445	97,000	97,000
0194	6520	BUILDINGS	-	-	-		-	
0194	6550	MOTOR VEHICLES	-	-	-	47,226	-	58,000
0194	6580	OTHER EQUIPMENT	-	-	-	-	-	161,000
Total Expenditure			**494,094**	**501,162**	**529,125**	**643,514**	**667,254**	**968,079**

PERSONNEL COMPLEMENT

Gen. Gov't. Bldgs.							
Building Maintenance	3.13	3.13	3.13	3.50	3.50	4.50
Gen Govt Bldgs Total	3.13	3.13	3.13	3.50	3.50	4.50
6550 Motor Vehicles						
Utility Tractor (net of $10,000 trade in)	-	-	-	47,226		
6580 Other Equipment						
	-	-	-			

DESCRIPTION OF SERVICES:

The General Government Buildings Department is responsible for cleaning city buildings and the repair and maintenance of all building systems, as well as two cemeteries.

BUDGET HIGHLIGHTS

- $73,720 - Full-time Building Maintenance Worker
- $58,000 Replace 2005 Chev Silverado (6550)(Fleet Fund)
- $50,000 City Hall Repairs - Caulking, carpeting & countertops (6580) Facility fund)
- $75,000 Repair Exterior City Hall - Retaining wall (6580) (Cap Maint Fund)
- $11,000 PD Front-end cubicles (6580) (Cap Maint Fund)
- $25,000 Security Improvments in City Hall (6580) (Facility Fund)

GOALS OF CURRENT YEAR BUDGET:
Clean and maintain our municipal buildings to the highest level possible
Continue to prepare and support voting precincts during elections
Respond to all maintenance requests in a timely manner

Performance Measurements:						
	2019 Projected	2020 Projected	2021 Actual	2022 Projected	2023 Projected	2024 Projected
Buildings Maintained	12	12	13	13	13	13
Rooms Prepared for Meetings Annually	1210	1210	1210	1210	1210	1250
Maintenance Request Cleared	40	40	45	45	45	50

FUND GENERAL

NEWSLETTER

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0195	6102	F.T. REGULAR-WAGES & SALARIES	3,928	3,819	4,997	4,682	6,230	6,417
0195	6121	PERA CONTRIBUTIONS	295	286	375	351	467	481
0195	6122	FICA/MEDICARE CONTRIBUTIONS	327	316	413	386	476	491
0195	6133	WORKERS COMP INSURANCE PREMIUM	20	21	19	22	57	50
0195	6322	POSTAGE	10,557	11,346	11,721	12,345	13,000	13,600
0195	6352	GENERAL NOTICE & PUBLIC INFOR	33,276	28,872	34,088	36,409	38,000	41,600
0195	6361	GENERAL LIABILITY/PROPERTY INS	484	463	519	424	850	428
Total Expenditure			**48,885**	**45,123**	**52,132**	**54,618**	**59,080**	**63,067**

DESCRIPTION OF SERVICES:

The community newsletter, The Ramsey Resident, is distributed to residential homes every two months.
It is intended to provide public information about community events and local government.

BUDGET HIGHLIGHTS

- Paper Cost increase for newsletter
-

GOALS OF CURRENT YEAR BUDGET:

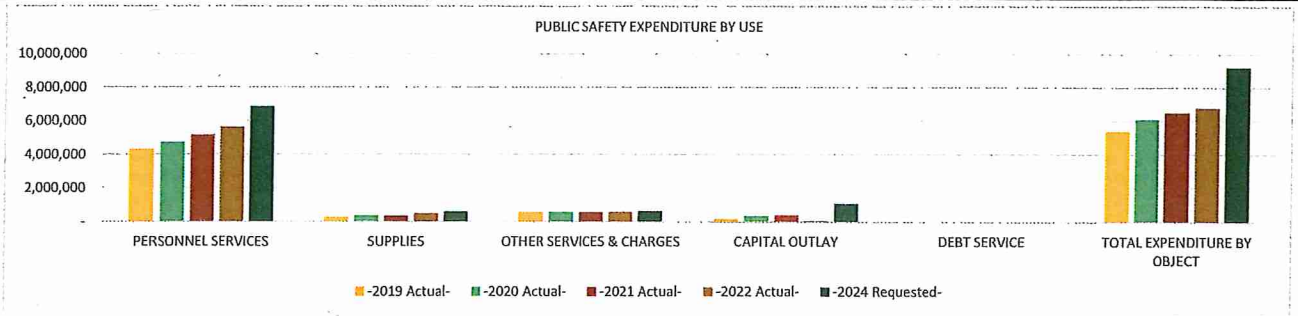
Implement refreshed Ramsey branding items into the newsletter

Performance Measurements:

	2019 Actual	2020 Actual	2021 Actual	2022 Projected	2023 Projected	2024 Projected
Number of newsletters completed annually	6	6	6	6	6	6
Number of full color newsletters completed annually	6	6	6	6	6	6
Number of pages published annually	100	100	100	100	100	100
Annual quantity of paid ads	60	60	60	60	60	60

PUBLIC SAFETY	211-280

EXPENDITURE BY OBJECT SUMMARY	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES	4,337,124	4,749,611	5,155,607	5,635,599	6,446,330	6,854,507
SUPPLIES	284,616	382,703	369,266	503,417	585,872	634,550
OTHER SERVICES & CHARGES	596,473	611,818	587,273	604,391	599,401	661,813
CAPITAL OUTLAY	187,166	367,037	414,474	77,929	534,626	1,090,445
DEBT SERVICE	-	-	-	-	-	-
TOTAL EXPENDITURE BY OBJECT	**5,405,379**	**6,111,169**	**6,526,621**	**6,821,335**	**8,166,229**	**9,241,315**



LINE ITEM DETAIL BY COST CENTER OR SUB-FUNCTION

PUBLIC SAFETY						211-280
EXPENDITURE BY OBJECT RECAP ALL SUB-FUNCTIONS	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES						
WAGES AND SALARIES						
6102 F.T. REGULAR-WAGES & SALARIES	2,867,497	3,073,112	3,322,106	3,495,004	4,100,645	4,422,087
6103 FULL TIME-REGULAR-OVERTIME	100,480	107,397	124,171	135,588	101,000	120,000
6104 PART TIME-WAGES & SALARIES	342,346	419,339	452,711	601,722	642,300	599,819
6105 TEMPORARY-WAGES & SALARIES	-	7,697	2,964	270	-	-
6107 OVERTIME-PART TIME	-	-	-	-	-	-
TOTAL WAGES AND SALARIES	**3,310,324**	**3,607,545**	**3,901,953**	**4,232,583**	**4,843,945**	**5,141,906**
OTHER GROSS EARNINGS						
6108 SEVERANCE PAY	22,719	-	-	20,982	-	-
TOTAL OTHER GROSS EARNINGS	**22,719**	**-**	**-**	**20,982**	**-**	**-**
EMPLOYER CONTRIBUTIONS						
6121 PERA CONTRIBUTIONS	471,042	538,587	577,818	598,194	678,390	713,615
6122 FICA/MEDICARE CONTRIBUTIONS	92,679	100,100	109,484	115,980	138,589	153,369
6131 GROUP INSURANCE	315,534	353,522	404,748	421,109	491,187	531,937
6132 DISABILITY INSURANCE	1,313	1,313	1,313	1,313	1,313	1,313
6133 WORKERS COMP INSURANCE PREMIUM	123,514	148,543	160,291	245,437	292,906	312,367
TOTAL EMPLOYER CONTRIBUTIONS	**1,004,081**	**1,142,066**	**1,253,655**	**1,382,034**	**1,602,385**	**1,712,601**
Total PERSONNEL SERVICES	**4,337,124**	**4,749,611**	**5,155,607**	**5,635,599**	**6,446,330**	**6,854,507**
SUPPLIES						
OFFICE SUPPLIES						
6204 STATIONERY, ENVELOPES & FORMS	3,253	3,541	2,293	3,712	3,150	4,350
6206 FILM, MICROFILM, TAPES, DISKS	1,983	837	568	370	1,600	1,400
6207 TRAINING SUPPLIES	2,565	3,609	3,154	3,562	12,700	9,100
6208 MISCELLANEOUS OFFICE SUPPLIES	3,487	2,164	2,152	1,800	4,000	3,500
TOTAL OFFICE SUPPLIES	**11,288**	**10,151**	**8,167**	**9,444**	**21,450**	**18,350**
OPERATING SUPPLIES						
6223 GASOLINE	70,208	63,697	90,220	109,192	126,000	120,000
6225 DIESEL FUEL	3,783	4,315	5,959	7,163	8,400	9,000
6227 LUBRICANTS & ADDITIVES	951	934	1,312	1,624	1,200	1,500
6229 SHOP MATERIALS	962	906	3,149	1,538	1,000	1,500
6231 UNIFORMS & TURN-OUT GEAR	52,434	95,064	79,822	108,626	127,750	150,750
6233 BATTERIES	1,071	652	1,262	2,013	2,000	2,000
6235 AMMUNITION	9,386	15,970	1,700	13,725	12,000	15,000
6237 CRIME SCENE KIT MATERIALS	669	368	1,843	-	1,000	1,000
6239 FIRST AID SUPPLIES	2,560	12,345	5,922	5,444	10,500	11,000
6241 COMMUNITY POLICING SUPPLIES	7,750	10,310	9,190	9,967	10,000	12,500
6249 MISCELLANEOUS OPERATING SUPPLY	35,512	40,731	27,675	48,417	55,250	70,750
TOTAL OPERATING SUPPLIES	**185,286**	**245,292**	**228,054**	**307,710**	**355,100**	**395,000**
REPAIR AND MAINTENANCE SUPPLIES						
6251 BATTERIES	812	678	516	-	2,500	2,500
6253 BRAKES	2,342	3,421	3,466	3,238	3,500	3,700
6255 TIRES	7,271	7,458	10,708	6,616	9,000	9,500
6257 OTHER VEHICLE PARTS	9,690	19,967	17,590	18,440	29,000	23,000
6259 BUILDING MAINT/REPAIR SUPPLIES	7,844	357	16,040	43,518	36,022	45,000
6266 SCBA-PARTS	4,843	4,679	4,055	5,899	20,000	20,000
6271 SIGN REPAIR MATERIALS	121	382	-	1,148	2,000	3,000
6275 OTHER EQUIPMENT PARTS	6,158	662	3,074	2,933	7,500	5,500
TOTAL REPAIR AND MAINTENANCE SUPPLIES	**39,081**	**37,604**	**55,448**	**81,792**	**109,522**	**112,200**
SMALL TOOLS AND MINOR EQUIPMENT						
6281 SMALL TOOLS & MINOR EQUIPMENT	48,456	89,606	77,596	104,472	99,600	108,600
TOTAL SMALL TOOLS AND MINOR EQUIPMENT	**48,456**	**89,606**	**77,596**	**104,472**	**99,600**	**108,600**
MERCHANDISE FOR RESALE						
6291 CULVERTS, SIGNS, STREET SUPPLY	505	50	-	-	200	400
TOTAL MERCHANDISE FOR RESALE	**505**	**50**	**-**	**-**	**200**	**400**
Total SUPPLIES	**284,616**	**382,703**	**369,266**	**503,417**	**585,872**	**634,550**

OTHER SERVICES & CHARGES							
PROFESSIONAL SERVICES							
6302	AUDITING & ACCOUNTING SERVICES	3,900	4,050	4,241	4,416	4,300	5,200
6315	MISCELLANEOUS PROFESSIONAL SER	212,959	225,996	170,096	150,362	112,400	112,700
TOTAL PROFESSIONAL SERVICES		**216,859**	**230,046**	**174,337**	**154,778**	**116,700**	**117,900**
COMMUNICATION							
6321	TELEPHONE	4,459	4,400	4,045	-	-	-
6322	POSTAGE	1,991	2,029	4,547	2,584	4,450	4,350
6323	CELLULAR PHONES	17,549	22,235	24,384	-	-	-
TOTAL COMMUNICATION		**24,000**	**28,664**	**32,975**	**2,584**	**4,450**	**4,350**
EMPLOYEE REIMBURSEMENTS							
6331	TRAVEL & LODGING	3,962	2,765	5,695	8,515	9,000	11,000
6334	MILEAGE REIMBURSEMENT	528	170	93	474	750	500
6335	TRAINING	60,763	56,199	72,214	81,528	83,800	94,500
TOTAL EMPLOYEE REIMBURSEMENTS		**65,253**	**59,135**	**78,002**	**90,517**	**93,550**	**106,000**
INSURANCE							
6361	GENERAL LIABILITY/PROPERTY INS	71,100	80,624	75,223	106,710	97,200	149,414
TOTAL INSURANCE		**71,100**	**80,624**	**75,223**	**106,710**	**97,200**	**149,414**
UTILITIES							
6371	ELECTRIC UTILITIES	32,858	32,059	31,983	31,828	36,200	35,520
6372	WATER/IRRIGATION	4,397	4,797	3,847	2,117	5,000	3,500
6373	GAS	7,072	5,034	8,552	11,838	9,000	12,000
6374	REFUSE/RECYCLING	1,250	1,363	1,431	1,571	1,600	1,700
TOTAL UTILITIES		**45,576**	**43,253**	**45,813**	**47,354**	**51,800**	**52,720**
REPAIRS AND MAINTENANCE - LABOR							
6382	MACHINERY & EQUIPMENT REPAIR	4,542	5,491	15,907	15,015	16,500	21,500
6383	OFFICE EQUIPMENT REPAIR	-	-	-	-	-	-
6386	BRAKE REPAIR	-	-	-	-	-	-
6388	OTHER VEHICLE REPAIR	70,917	55,013	53,322	68,786	58,000	65,000
6389	TOWING SERVICES	1,623	2,037	240	3,096	3,500	3,500
TOTAL REPAIRS AND MAINTENANCE - LABOR		**77,081**	**62,541**	**69,470**	**86,897**	**78,000**	**90,000**
REPAIRS AND MAINTENANCE - CONTRACTS							
6405	OFFICE & DATA PROCESSING EQUIP	41,614	50,694	49,637	43,253	80,526	51,429
TOTAL REPAIRS AND MAINTENANCE - CONTRACTS		**41,614**	**50,694**	**49,637**	**43,253**	**80,526**	**51,429**
RENTALS							
6413	OFFICE EQUIPMENT RENTAL	4,837	5,995	5,265	3,483	6,000	9,000
6415	OTHER EQUIPMENT RENTAL	31,014	33,601	37,295	38,215	37,125	39,150
TOTAL RENTALS		**35,851**	**39,596**	**42,560**	**41,698**	**43,125**	**48,150**
DUES, SUBSCRIPTIONS, AND REGISTRATION FEES							
6451	MEMBERSHIP DUES	5,546	6,067	4,887	7,039	8,250	8,550
6452	SUBSCRIPTIONS	688	41	627	-	-	-
TOTAL DUES, SUBSCRIPTIONS, AND REGISTRATION FEES		**6,234**	**6,108**	**5,514**	**7,039**	**8,250**	**8,550**
BOOKS AND PAMPHLETS							
6471	BOOKS & PAMPHLETS	626	2,331	1,132	2,384	3,800	3,800
TOTAL BOOKS AND PAMPHLETS		**626**	**2,331**	**1,132**	**2,384**	**3,800**	**3,800**
CONTRACTED SERVICES							
6489	OTHER CONTRACTED SERVICES	12,279	8,826	12,611	21,177	22,000	29,500
TOTAL CONTRACTED SERVICES		**12,279**	**8,826**	**12,611**	**21,177**	**22,000**	**29,500**
Total OTHER SERVICES & CHARGES		**596,473**	**611,818**	**587,273**	**604,391**	**599,401**	**661,813**
CAPITAL OUTLAY							
CAPITAL OUTLAY							
6540	HEAVY MACHINERY	-	-	-	-	-	-
6550	MOTOR VEHICLES	111,789	351,094	414,474	-	479,626	839,629
6580	OTHER EQUIPMENT	75,378	15,943	-	77,929	55,000	250,816
TOTAL CAPITAL OUTLAY		**187,166**	**367,037**	**414,474**	**77,929**	**534,626**	**1,090,445**
Total CAPITAL OUTLAY		**187,166**	**367,037**	**414,474**	**77,929**	**534,626**	**1,090,445**
DEBT SERVICE							
DEBT SERVICE							
6603	OTHER L.T. OBLIGATION PRINCIPA	-	-	-	-	-	-
TOTAL DEBT SERVICE		-	-	-	-	-	-
TOTAL DEBT SERVICE		-	-	-	-	-	-
TOTAL EXPENDITURES & OTHER FINANCING		**5,405,379**	**6,111,169**	**6,526,621**	**6,821,335**	**8,166,229**	**9,241,315**

FUND GENERAL

POLICE PROTECTION

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0211	6102	F.T. REGULAR-WAGES & SALARIES	2,382,526	2,566,863	2,778,260	2,865,943	3,277,345	3,511,532
0211	6103	FULL TIME-REGULAR-OVERTIME	100,248	95,476	117,561	131,945	101,000	120,000
0211	6104	PART TIME-WAGES & SALARIES	77,511	84,498	115,637	90,750	137,311	70,930
0211	6105	TEMPORARY-WAGES & SALARIES	-					
0211	6108	SEVERANCE PAY	22,719			14,582		
0211	6121	PERA CONTRIBUTIONS	408,862	466,528	499,077	511,012	568,131	592,828
0211	6122	FICA/MEDICARE CONTRIBUTIONS	53,390	55,299	62,071	66,062	78,141	85,733
0211	6131	GROUP INSURANCE	258,970	294,930	336,074	339,894	383,719	390,703
0211	6133	WORKERS COMP INSURANCE PREMIUM	94,302	111,190	129,942	191,818	229,078	242,416
0211	6204	STATIONERY, ENVELOPES & FORMS	2,567	2,654	1,602	3,134	1,900	3,100
0211	6206	FILM, MICROFILM, TAPES, DISKS	1,101	837	568	370	1,300	1,100
0211	6207	TRAINING SUPPLIES	2,565	3,609	3,154	3,562	12,700	9,100
0211	6208	MISCELLANEOUS OFFICE SUPPLIES	2,561	1,838	1,718	1,271	3,000	2,500
0211	6223	GASOLINE	55,400	50,539	72,247	85,351	101,000	91,000
0211	6227	LUBRICANTS & ADDITIVES	951	934	1,312	1,624	1,200	1,500
0211	6229	SHOP MATERIALS	962	906	3,149	1,538	1,000	1,500
0211	6231	UNIFORMS & TURN-OUT GEAR	30,905	65,867	40,663	48,896	72,000	85,000
0211	6233	BATTERIES	1,071	652	1,262	2,013	2,000	2,000
0211	6235	AMMUNITION	9,386	15,970	1,700	13,725	12,000	15,000
0211	6237	CRIME SCENE KIT MATERIALS	669	368	1,843	-	1,000	1,000
0211	6239	FIRST AID SUPPLIES	1,164	4,304	2,488	4,287	4,500	8,000
0211	6249	MISCELLANEOUS OPERATING SUPPLY	9,644	8,940	7,865	10,886	17,500	25,000
0211	6251	BATTERIES	812	678	516	-	1,500	1,500
0211	6253	BRAKES	2,342	3,421	3,466	3,238	3,500	3,700
0211	6255	TIRES	7,271	7,458	10,708	6,616	9,000	9,500
0211	6257	OTHER VEHICLE PARTS	6,795	8,724	13,015	13,425	15,000	15,000
0211	6259	BUILDING MAINT/REPAIR SUPPLIES	7,844	357	16,040	13,502	16,022	15,000
0211	6275	OTHER EQUIPMENT PARTS	1,268	443	1,770	220	2,500	2,500
0211	6281	SMALL TOOLS & MINOR EQUIPMENT	31,268	42,701	56,920	76,843	64,000	72,500
0211	6315	MISCELLANEOUS PROFESSIONAL SER	4,730	8,190	6,198	11,892	10,000	10,300
0211	6321	TELEPHONE	2,124	2,203	2,072	-		
0211	6322	POSTAGE	1,259	1,331	3,141	1,182	2,600	2,600
0211	6323	CELLULAR PHONES	10,072	13,184	15,313	-		
0211	6331	TRAVEL & LODGING	3,549	2,492	5,421	5,159	6,000	8,000
0211	6334	MILEAGE REIMBURSEMENT	-	-	-	-	250	
0211	6335	TRAINING	26,762	21,693	32,990	28,335	35,000	40,000
0211	6361	GENERAL LIABILITY/PROPERTY INS	49,548	56,773	52,507	86,707	64,000	115,000
0211	6382	MACHINERY & EQUIPMENT REPAIR	235	410	1,244	509	500	500
0211	6383	OFFICE EQUIPMENT REPAIR	-	-		-		
0211	6386	BRAKE REPAIR	-	-		-		
0211	6388	OTHER VEHICLE REPAIR	5,643	10,152	16,616	10,675	13,000	15,000
0211	6389	TOWING SERVICES	1,623	2,037	240	3,096	3,500	3,500
0211	6405	OFFICE & DATA PROCESSING EQUIP	2,445	10,419	7,856	9,179	12,000	12,000
0211	6413	OFFICE EQUIPMENT RENTAL	4,837	5,995	5,265	3,483	6,000	9,000
0211	6415	OTHER EQUIPMENT RENTAL	31,014	33,601	37,295	38,215	37,000	39,000
0211	6451	MEMBERSHIP DUES	3,018	3,473	2,757	3,246	3,800	4,100
0211	6489	OTHER CONTRACTED SERVICES	5,410	3,195	8,942	12,625	10,000	15,000
0211	6550	MOTOR VEHICLES	67,155	35,841	69,000	-	184,626	194,629
0211	6580	OTHER EQUIPMENT		15,943		9,453		215,816
Total Expenditure			**3,794,498**	**4,122,916**	**4,547,484**	**4,726,260**	**5,505,623**	**6,064,087**

PERSONNEL COMPLEMENT							
Police Chief		1.00	1.00	1.00	1.00	1.00	1.00
Captain		2.00	2.00	2.00	2.00	2.00	2.00
Sergeant		4.00	4.00	4.00	4.00	4.00	5.00
Drug Task Force Officer		1.00	1.00	1.00	1.00	1.00	1.00
Patrol Officer		19.00	19.00	21.00	21.00	22.00	21.00
Community Service Officer		1.26	1.26	1.26	1.26	2.00	3.07
Police Office Supervisor		1.00	1.00	1.00	1.00	1.00	1.00
Clerical/Support Personnel		2.50	2.63	3.26	3.64	3.64	3.64
	Public Safety Total	31.76	31.89	34.52	34.90	36.64	37.71

6550 Motor Vehicles						
Ford Interceptor	-	35,841	-			
Ford Utility Hybrid						47,829
Dodge Ram 1500 4X4						50,000
Dodge Durango						48,000
Malibu	-	-	28,479			
Taurus	29,592	-	-			
2 Ford Explorers			40,521			
Ford F150					38,521	
2 Chargers					64,000	
Ford Interceptor	-	35,841	-		41,230	
Tahoe					40,875	48,800
	29,592	35,841	69,000	-	184,626	194,629

6580 Other Equipment						
Panasonic Squad Car Cameras	-	-	-	-	-	215,816
ATV-2020 Tire Balancer-2022	-	15,943	-	9,453		
	-	15,943	-	9,453	-	215,816

DESCRIPTION OF SERVICES:

The Police Department is responsible for the protection of life and property and a sense of community security and responds to all emergencies in the city. The Police Department will deter criminal activity by visible patrols; the enforcement of traffic laws; and the apprehension of criminal offenders. The department investigates criminal incidents and apprehends offenders through the gathering, analysis, preservation and presentation of evidence.The Police department provides other community services such as nuisance code enforcement, animal control, crime prevention, and school liaison.

BUDGET HIGHLIGHTS

- $1,919 Reclass Patrol Officer to Sergeant
- $82,612 2-Additional CSO's approved by CC on 6-13-23 (6104)
- $59,143 Holiday Buy Back increasing from 54 hours to 104 hours (22 Officers) (6102-6133)
- $10,000 - Garage Floor resurface (6259)
- 4 Squad Replacements - $194,629 Add'l Squad Car to the fleet (6550) (2023 Legislative Funds)
- $215,816 - Squad Axon Squad Car VideoCameras. Approved by cc 12-13-22 (6580) (2023 Legislative Funds)

GOALS OF CURRENT YEAR BUDGET:

Reduce criminal activity in the community
Adequately staff public safety based on changing demographics and needs
Leverage technology to create operational efficiencies
Enhance traffic safety in the community

Performance Measurements:						
Police Department Activity	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Projected	2024 Projected
Dispatched Calls for Service	13484	14918	16258	15609	16700	16700
Motor Vehicle Accidents	423	335	443	465	450	450
Citations and Warnings	1278	1207	1340	1042	1300	1300
Criminal	1217	1020	988	869	1000	1000
Non-Criminal	8531	8834	8500	9000	9000	9000
State CPM Performance Measurement Results	2019	2020	2021	2022	2023	2024
Part 1 and Part 2 Crime Rates (per 1000)	*11.59/21.24*	*8.76/15.74*	11.22/23.74	>15/>25	>15/>25	>15/>25
Part 1 and Part 2 Crime Clearance Rates (per 1000)	43%	32%	2020 last yr avail	>15/>25	>15/>25	>15/>25
Average police response time - highest priority calls	5:42	5:44	5:54	6:08	under 7 min	under 7 min

FUND GENERAL

FIRE PROTECTION

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0220	6102	F.T. REGULAR-WAGES & SALARIES	260,037	292,458	305,378	352,050	437,888	467,505
0220	6103	FULL TIME-REGULAR-OVERTIME	232	9,814	6,610	3,373		
0220	6104	PART TIME-WAGES & SALARIES	264,836	321,487	283,535	459,516	443,925	454,659
0220	6105	TEMPORARY-WAGES & SALARIES						
0220	6108	SEVERANCE PAY				6,400		
0220	6121	PERA CONTRIBUTIONS	45,362	55,059	56,867	62,760	76,772	81,991
0220	6122	FICA/MEDICARE CONTRIBUTIONS	21,479	26,860	25,281	25,178	26,292	27,088
0220	6131	GROUP INSURANCE	35,216	36,495	39,920	45,603	54,178	66,632
0220	6132	DISABILITY INSURANCE	1,313	1,313	1,313	1,313	1,313	1,313
0220	6133	WORKERS COMP INSURANCE PREMIUM	26,414	34,093	27,527	49,688	55,066	61,185
0220	6206	FILM, MICROFILM, TAPES, DISKS	-					
0220	6208	MISCELLANEOUS OFFICE SUPPLIES	602	242	393	316	500	500
0220	6223	GASOLINE	12,643	11,675	15,187	21,492	21,000	25,000
0220	6225	DIESEL FUEL	3,783	4,315	5,959	7,163	8,400	9,000
0220	6231	UNIFORMS & TURN-OUT GEAR	21,515	29,057	38,926	57,894	55,000	65,000
0220	6233	BATTERIES			-			
0220	6239	FIRST AID SUPPLIES	1,396	8,041	3,434	1,157	6,000	3,000
0220	6249	MISCELLANEOUS OPERATING SUPPLY	14,880	17,523	12,117	16,920	21,000	21,000
0220	6255	TIRES	-					
0220	6257	OTHER VEHICLE PARTS	2,895	11,243	4,575	5,016	14,000	8,000
0220	6259	BUILDING MAINT/REPAIR SUPPLIES				30,016	20,000	30,000
0220	6266	SCBA-PARTS	4,843	4,679	4,055	5,899	20,000	20,000
0220	6275	OTHER EQUIPMENT PARTS	-					
0220	6281	SMALL TOOLS & MINOR EQUIPMENT	16,725	46,706	20,676	26,684	35,000	35,000
0220	6302	AUDITING & ACCOUNTING SERVICES	3,900	4,050	4,241	4,416	4,300	5,200
0220	6315	MISCELLANEOUS PROFESSIONAL SER	-					
0220	6321	TELEPHONE	2,000	1,849	1,624	-		
0220	6322	POSTAGE	146	111	70	4	300	200
0220	6323	CELLULAR PHONES	6,906	6,960	6,448	-		
0220	6335	TRAINING	27,851	32,432	36,629	47,504	40,000	45,000
0220	6361	GENERAL LIABILITY/PROPERTY INS	14,493	17,229	16,241	14,421	23,000	26,000
0220	6371	ELECTRIC UTILITIES	17,327	17,774	17,688	17,091	20,000	18,000
0220	6372	WATER/IRRIGATION	4,397	4,797	3,847	2,117	5,000	3,500
0220	6373	GAS	7,072	5,034	8,552	11,838	9,000	12,000
0220	6374	REFUSE/RECYCLING	1,250	1,363	1,431	1,571	1,600	1,700
0220	6388	OTHER VEHICLE REPAIR	65,273	44,861	36,706	58,111	45,000	50,000
0220	6405	OFFICE & DATA PROCESSING EQUIP	14,685	15,792	17,298	18,183	18,526	29,429
0220	6451	MEMBERSHIP DUES	1,236	2,003	1,214	2,029	2,200	2,200
0220	6452	SUBSCRIPTIONS	688	41	627			
0220	6471	BOOKS & PAMPHLETS	275	518	280	1,052	1,500	1,500
0220	6489	OTHER CONTRACTED SERVICES	2,444	3,508	2,045	2,266	5,000	3,000
0220	6550	MOTOR VEHICLES	44,634	315,253	345,474		265,000	645,000
0220	6580	OTHER EQUIPMENT	75,378			68,475	25,000	-
Total Expenditure			**1,024,125**	**1,384,635**	**1,352,166**	**1,427,516**	**1,761,760**	**2,219,602**

PERSONNEL COMPLEMENT							
Fire Chief		1.00	1.00	1.00	1.00	1.00	1.00
Fire Secretary		0.70	0.70	0.70	0.70	-	-
Fire Captain of Administration		-	-	-	1.00	1.00	1.00
Fire Inspector		1.00	1.00	1.00	1.00	1.00	1.00
Fire Marshall		1.00	1.00	1.00	1.00	1.00	1.00
Firefighters		7.58	7.58	7.58	7.58	7.58	7.58
	Fire Total	11.28	11.28	11.28	12.28	11.58	11.58

6550 Motor Vehicles						
1st half funding Replace 1999 Fire Engine #556		270,626	-			
2nd half funding Replace 1999 Fire Engine #556		-	345,474			
Replace Tanker #II Veh #501						600,000
Replace Fire Admin Cap Veh #333						45,000
Replace Rescue #21					265,000	
Replace Fire Prevention Veh #386		44,627	-			
Replace Grass Truck #21	44,634	-	-			
	44,634	315,253	345,474	-	265,000	645,000

6580 Other Equipment						
SCBA Compressor	-	-	-		25,000	
SCBA's - 28	-	-	-			
Thermal Imaging Camera	23,897					
Bullex Attack Training Prop	16,515					
Fire Training Room Table & Chairs				21,039		
Epoxy Flooring Fire 1 (Capital Maintenance Funded)				-		
Appratus Bay Painting Fire 1 (Capital Maintenance Funded)				-		
Extrication Tools	34,966			47,436		
Refurbish Tanker II	-	-	-	-		
	75,378	-	-	68,475	25,000	

BUDGET HIGHLIGHTS

- Reclass Fire Inspector to Fire Marshall - $3,542
- Increase in shared cost of new County Records Management System (6405)
- Replacement of original carpet and worn countertops (year 2000) - $10,000 (6259)
- Replace Tanker II - $600,000 (6550) (2023 Legislative Funds)
- Replace Fire Captain of Admin Veh - $45,000 (6550) (2023 Legislative Funds)
- Replacement of expired structural fire turn out gear - $10,000 (6231)

Revise and update department policies/procedures and Standard Operating Guidelines
Establish and maintain outreach programs that enhance fire safety within community
Ensure adequate staff numbers to meet increased demand of calls for service

Performance Measurements:

	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Projected	2024 Projected
Number of Calls for Service	975	1133	1301	1381	1450	1500
Mutual Aid	41	47	35	66	50	50
Given	19	29	20	44	30	30
Received	22	18	15	22	20	20
Number of firefighters	52	53	42	47	50	52
Prevention:						
# of Public Education contacts	57	28	38	45	70	80
# of commericial property inspections	282	177	304	320	365	400
# of permits issued	96	83	70	106	150	175

State CPM Performance Measurement Results	2019	2020	2021	2022	2023 Estimated	2024 Estimated
Insurance industry rating of fire services	4/7	4/7	4/7	4/7	4/7	4/7
Fire calls per 1,000 population	15.3	15.6	14	13	13	13
Average response times	8:41	6:19	6:20	6:15	6:15	6:15
EMS calls per 1,000 population	20.8	26.3	33	36	38	40

FUND GENERAL

PROTECTIVE INSPECTIONS

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0240	6102	F.T. REGULAR-WAGES & SALARIES	199,091	184,625	209,127	253,395	331,776	352,326
0240	6103	FULL TIME-REGULAR-OVERTIME	-	2,045				
0240	6104	PART TIME-WAGES & SALARIES	-	13,354	53,539	51,455	61,064	74,230
0240	6105	TEMPORARY-WAGES & SALARIES	-	7,697	2,964			
0240	6108	SEVERANCE PAY	16,493			961		
0240	6121	PERA CONTRIBUTIONS	14,888	14,847	19,644	22,626	29,464	31,992
0240	6122	FICA/MEDICARE CONTRIBUTIONS	15,876	15,747	19,869	22,794	30,053	32,632
0240	6131	GROUP INSURANCE	21,348	22,097	28,754	35,612	53,290	74,602
0240	6133	WORKERS COMP INSURANCE PREMIUM	1,160	1,232	1,124	1,911	3,618	2,927
0240	6204	STATIONERY, ENVELOPES & FORMS	393	654	330	552	750	750
0240	6208	MISCELLANEOUS OFFICE SUPPLIES	323	84	41	213	500	500
0240	6223	GASOLINE	2,165	1,482	2,787	2,349	4,000	4,000
0240	6231	UNIFORMS & TURN-OUT GEAR	14	140	234	1,836	750	750
0240	6249	MISCELLANEOUS OPERATING SUPPLY	2,404	1,723	176	630	2,000	2,000
0240	6315	MISCELLANEOUS PROFESSIONAL SER	208,230	217,807	163,898	138,470	102,400	102,400
0240	6321	TELEPHONE	335	348	349	-		
0240	6322	POSTAGE	585	586	1,334	1,399	1,500	1,500
0240	6323	CELLULAR PHONES	570	1,073	1,505	-		
0240	6331	TRAVEL AND LODGING		135	274	2,710	1,500	1,500
0240	6334	MILEAGE REIMBURSEMENT	528	170	93	474	500	500
0240	6335	TRAINING	5,496	2,075	940	5,509	7,500	7,500
0240	6361	GENERAL LIABILITY/PROPERTY INS	6,237	5,787	5,668	4,809	8,000	6,000
0240	6405	OFFICE & DATA PROCESSING EQUIP	24,484	24,484	24,484	15,891	50,000	10,000
0240	6451	MEMBERSHIP DUES	360	165	470	245	750	750
0240	6471	BOOKS & PAMPHLETS	100	1,228	595	997	2,000	2,000
0240	6550	MOTOR VEHICLES	79,752				30,000	
Total Expenditure			**600,831**	**519,585**	**538,198**	**564,838**	**721,415**	**708,859**

PERSONNEL COMPLEMENT						
Building Official	1.00	1.00	1.00	1.00	1.00	1.00
Building Inspector	-	-	1.00	2.00	2.00	2.00
Permit Technicians	1.81	1.81	1.81	1.81	1.85	2.05
Inspectors	0.25	0.25	0.25	0.25	-	-
Building Inspection Total	3.06	3.06	4.06	5.06	4.85	5.05

6550 Motor Vehicles						
Replace Veh #401	26,584	-	-			
Replace Veh #405	26,584	-	-			
New Vehicle for building inspector					30,000	
Replace Veh #406	26,584	-	-			
	79,752	-	-	-	30,000	-

DESCRIPTION OF SERVICES:

The mission of the Community Development Department is to guide residential and commercial growth through comprehensive planning processes and administer the city's building and zoning codes in a equitable and professional manner to promote and sustain public safety, quality of life, and the health and well being of the whole community.

The purpose of the Building Division is to help ensure all your construction projects meet the requirements of both the Minnesota State Building Code and the City Zoning regulations.

BUDGET HIGHLIGHTS

- Reclass Permit Tech I to Permit Tech II - $3,391
- Building Admin Asst - Increase hours from 20 to 28 hours weekly - $13,307

GOALS OF CURRENT YEAR BUDGET:
Complete standard residential plan review within 10 business days. Complete standard commercial plan review within 30 business days. Allow for inspection availability within 48 hours.

Performance Measurements:						
	2019 Actual	2020 Actual	2021 Actual	2022 YTD	2023 Projected	2024 Projected
New Residential Units	135	176	183	125	190	190
Total Permits	3,339	3,630	3,458	2,932	3,700	3,700
Number of Inspections	9,764	12,765	12449-Est.	7,356	13,500	13,500

FUND GENERAL

CIVIL DEFENSE

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0250	6251	BATTERIES	-	-	-	-	1,000	1,000
0250	6275	OTHER EQUIPMENT PARTS	4,891	219	1,303	2,713	5,000	3,000
0250	6361	GENERAL LIABILITY/PROPERTY INS	150	23	23	75	150	1,780
0250	6371	ELECTRIC UTILITIES	1,020	1,020	1,020	1,020	1,200	1,020
0250	6382	MACHINERY & EQUIPMENT REPAIR	9,104	1,025	940	5,829	6,000	6,000
0250	6580	OTHER CAPITAL EQUIPMENT	-	-	-	-	30,000	35,000
Total Expenditure			**15,164**	**2,288**	**3,287**	**9,637**	**43,350**	**47,800**

DESCRIPTION OF SERVICES:

The Civil Defence budget funds expenditures related to the city-wide emergency siren notification system.

BUDGET HIGHLIGHTS

- Replace 2 Civil Defense Sirens - $35,000 (6580) (2023 Legislative Funds)

GOALS OF CURRENT YEAR BUDGET:

Maintain infastructure of siren warning system

Performance Measurements:

	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Projected	2024 Projected
Number of Sirens	17	17	17	17	17	17

FUND GENERAL

TRAFFIC ENGINEERING

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0260	6102	F.T. REGULAR-WAGES & SALARIES	25,844	29,166	29,341	23,616	53,636	90,724
0260	6103	FULL TIME-REGULAR-OVERTIME	-	62		270		
0260	6105	TEMPORARY-WAGES & SALARIES	-			270		
0260	6121	PERA CONTRIBUTIONS	1,930	2,154	2,231	1,797	4,023	6,804
0260	6122	FICA/MEDICARE CONTRIBUTIONS	1,934	2,195	2,264	1,946	4,103	7,916
0260	6133	WORKERS COMP INSURANCE PREMIUM	1,639	2,027	1,699	2,020	5,144	5,839
0260	6249	MISCELLANEOUS OPERATING SUPPLY	8,448	11,868	7,108	19,641	14,000	22,000
0260	6271	SIGN REPAIR MATERIALS	121	382	-	1,148	2,000	3,000
0260	6361	GENERAL LIABILITY/PROPERTY INS	572	680	697	599	1,800	484
0260	6371	ELECTRIC UTILITIES	14,511	13,265	13,275	13,717	15,000	16,500
0260	6382	MACHINERY & EQUIPMENT REPAIR	4,307	5,081	13,723	8,677	10,000	15,000
0260	6489	CONTRACTED SERVICES	600	1,807	1,291	6,172	2,000	6,500
0260	6580	OTHER EQUIPMENT	-					
Total Expenditure			**59,904**	**68,686**	**71,628**	**79,873**	**111,706**	**174,767**

DESCRIPTION OF SERVICES:

The Traffic Engineering budget funds the installation and maintenance of traffic signage on, above, and/or near city streets.

BUDGET HIGHLIGHTS

- No major changes. Staff time redistributed between streets, traffic engr & snow plowing

GOALS OF CURRENT YEAR BUDGET:

Continue to meet FHWA guidelines for traffic signage
Replace damaged or defective signs within 48 hours
Bring signage up to current standards on all reconstruct and overlay projects
Continue to support Engineering and Community Development departments with traffic issues

Performance Measurements:

	2019 Actual	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected
Total Hours	539	610				2080
Number of Traffic Signs in System	2390	2390				
Number of Traffic Counts Performed	15	15				

FUND GENERAL

ANIMAL CONTROL

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0270	6249	MISCELLANEOUS OPERATING SUPPLY	136	678	411	340	750	750
0270	6281	SMALL TOOLS & MINOR EQUIPMENT	375			945	500	1,000
0270	6489	OTHER CONTRACTED SERVICES	3,825	315	332	114	5,000	5,000
Total Expenditure			**4,336**	**993**	**743**	**1,399**	**6,250**	**6,750**

DESCRIPTION OF SERVICES:

This fund covers expenditures related to animal control. Ramsey PD provides animal containment services and incurs expenses for boarding animals at Anoka PD.

BUDGET HIGHLIGHTS

- No major changes

GOALS OF CURRENT YEAR BUDGET:

Provide animal containment services to residents

Performance Measurements:

	2019 Actual	2020 Actual	2021 Projected	2022 Actual	2023 Projected	2024 Projected
Animal Complaints	375	539	390	270	390	390
Number of Animals Impounded	33	53	45	20	45	45
Number of Animals Released to Owners	26	47	45	15	45	45
Number of Euthanizations	0	0	0	0	0	0

FUND GENERAL

COMMUNITY ORIENTING POLICE

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0280	6204	STATIONERY, ENVELOPES & FORMS	293	233	361	27	500	500
0280	6206	FILM, MICROFILM, TAPES, DISKS	883	-	-	-	300	300
0280	6241	COMMUNITY POLICING SUPPLIES	7,750	10,310	9,190	9,967	10,000	12,500
0280	6281	SMALL TOOLS & MINOR EQUIPMENT	88	199	-	-	100	100
0280	6291	CULVERTS, SIGNS, STREET SUPPLY	505	50	-	-	200	400
0280	6322	POSTAGE	-	-	1	-	50	50
0280	6323	CELLULAR PHONES	1,018	1,018	1,118	-	-	
0280	6331	TRAVEL & LODGING	413	138	-	646	1,500	1,500
0280	6335	TRAINING	655	-	1,655	180	1,300	2,000
0280	6361	GENERAL LIABILITY/PROPERTY INS	101	131	88	99	250	150
0280	6415	OTHER EQUIPMENT RENTAL	-	-	-	-	125	150
0280	6451	MEMBERSHIP DUES	933	427	446	1,520	1,500	1,500
0280	6471	BOOKS & PAMPHLETS	251	585	257	335	300	300
Total Expenditure			**12,888**	**13,092**	**13,115**	**12,774**	**16,125**	**19,450**

DESCRIPTION OF SERVICES:

The Community Orientating Policing funds expenditures related to community programs such as: Kids Safety Camp, Car Seat Inspections, Night to Unite, Pet Clinics, Bike Helmet Fitting and Sale, Police Explorers, and Drug Take Back Program

BUDGET HIGHLIGHTS

- No Major Changes

GOALS OF CURRENT YEAR BUDGET:

Increase participation in community based programs

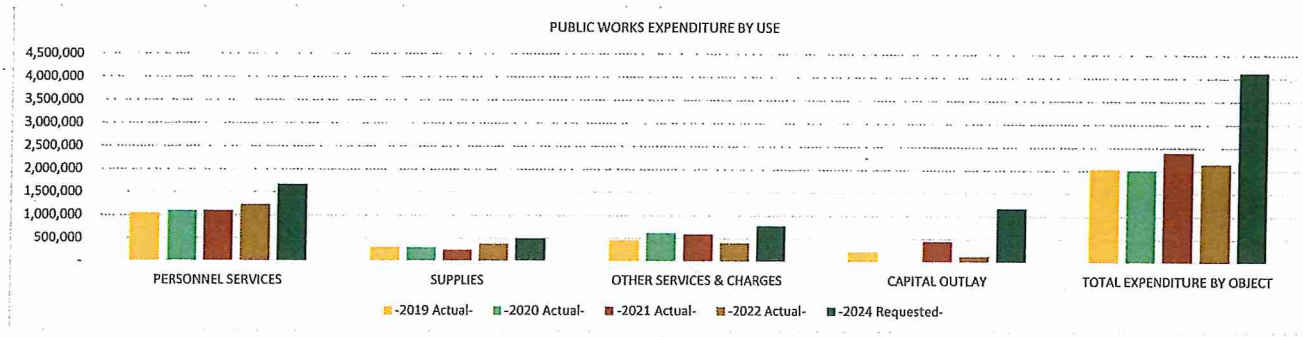
Performance Measurements:

	2019 Actual	2020 Actual	2021 Actual	2022 Projected	2023 Projected	2024 Projected
# of participants attending Kids Safety Camp	144	0	0	145	145	145
# of car seat inspections	29	9	15	30	30	30
Night to Unite - # of Parties	48	26	50	48	48	48
# of participants at Kids Summer Safety Series			139	150	150	150

GENERAL FUND 101 - GENERAL GOVERNMENT

PUBLIC WORKS	301-312

EXPENDITURE BY OBJECT SUMMARY	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES	1,047,527	1,091,120	1,096,459	1,232,690	1,332,390	1,665,276
SUPPLIES	301,182	297,565	247,499	383,218	335,000	502,490
OTHER SERVICES & CHARGES	460,263	620,510	598,537	410,981	751,524	780,449
CAPITAL OUTLAY	219,480	-	450,964	127,057	480,457	1,171,818
TOTAL EXPENDITURE BY OBJECT	**2,028,451**	**2,009,196**	**2,393,459**	**2,153,946**	**2,899,371**	**4,120,033**



LINE ITEM DETAIL BY COST CENTER OR SUB-FUNCTION

PUBLIC WORKS	301-312

EXPENDITURE BY OBJECT RECAP ALL SUB-FUNCTIONS	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES						
WAGES AND SALARIES						
6102 F.T. REGULAR-WAGES & SALARIES	697,857	742,654	735,374	797,269	883,813	1,131,557
6103 FULL TIME-REGULAR-OVERTIME	38,755	36,306	38,417	42,299	32,000	32,000
6105 TEMPORARY-WAGES & SALARIES	28,718	23,232	24,632	30,256	61,255	34,208
6106 OVERTIME-TEMPORARY	926	259	878	636	-	-
TOTAL WAGES AND SALARIES	**766,256**	**802,452**	**799,301**	**870,461**	**977,068**	**1,197,765**
OTHER GROSS EARNINGS						
6108 SEVERANCE PAY	8,173	-	4,555	65,629	-	-
TOTAL OTHER GROSS EARNINGS	**8,173**	**-**	**4,555**	**65,629**	**-**	**-**
EMPLOYER CONTRIBUTIONS						
6121 PERA CONTRIBUTIONS	53,931	52,794	57,508	62,881	71,183	87,267
6122 FICA/MEDICARE CONTRIBUTIONS	58,394	57,007	58,852	64,665	76,690	95,330
6131 GROUP INSURANCE	120,893	135,034	140,084	124,889	152,531	217,658
6133 WORKERS COMP INSURANCE PREMIUM	39,881	43,834	36,159	44,165	54,918	67,256
TOTAL EMPLOYER CONTRIBUTIONS	**273,098**	**288,669**	**292,604**	**296,601**	**355,322**	**467,511**
Total PERSONNEL SERVICES	**1,047,527**	**1,091,120**	**1,096,459**	**1,232,690**	**1,332,390**	**1,665,276**
SUPPLIES						
OFFICE SUPPLIES						
6205 DRAFTING SUPPLIES	-	-	-	-	-	-
6208 MISCELLANEOUS OFFICE SUPPLIES	3,377	1,010	1,096	2,006	1,100	1,550
TOTAL OFFICE SUPPLIES	**3,377**	**1,010**	**1,096**	**2,006**	**1,100**	**1,550**
OPERATING SUPPLIES						
6221 CLEANING SUPPLIES	-	-	-	-	-	-
6223 GASOLINE	13,344	17,893	17,420	21,314	30,500	39,800
6225 DIESEL FUEL	48,516	34,544	32,384	54,169	50,000	61,000
6227 LUBRICANTS & ADDITIVES	5,296	3,553	6,269	6,106	5,000	7,500
6229 SHOP MATERIALS	922	2,720	1,692	3,825	2,800	4,000
6231 UNIFORMS & TURN-OUT GEAR	5,176	3,825	6,315	7,231	5,500	8,150
6249 MISCELLANEOUS OPERATING SUPPLY	9,669	9,794	7,331	10,983	9,500	12,250
TOTAL OPERATING SUPPLIES	**82,923**	**72,328**	**71,411**	**103,627**	**103,300**	**132,700**
REPAIR AND MAINTENANCE SUPPLIES						
6257 OTHER VEHICLE PARTS	66,918	85,883	52,237	83,858	71,200	84,800
6259 BUILDING MAINT/REPAIR SUPPLIES	2,382	1,677	563	2,622	2,500	2,700
6261 SAND & GRAVEL	4,726	2,907	-	2,300	4,400	5,300
6263 SALT	97,334	92,362	68,800	129,704	77,000	192,240
6265 ASPHALT	14,235	22,316	32,491	32,311	32,500	33,000
6267 OTHER STREET MAINTENANCE SUPPL	7,353	4,798	5,303	10,675	13,100	16,500
6269 LANDSCAPE MATERIALS	5,675	1,520	1,174	952	7,500	7,500
6275 OTHER EQUIPMENT PARTS	-	-	-	-	-	-
TOTAL REPAIR AND MAINTENANCE SUPPLIES	**198,622**	**211,463**	**160,568**	**262,422**	**208,200**	**342,040**
SMALL TOOLS AND MINOR EQUIPMENT						
6281 SMALL TOOLS & MINOR EQUIPMENT	16,261	12,764	14,424	15,163	22,400	26,200
TOTAL SMALL TOOLS AND MINOR EQUIPMENT	**16,261**	**12,764**	**14,424**	**15,163**	**22,400**	**26,200**
Total SUPPLIES	**301,182**	**297,565**	**247,499**	**383,218**	**335,000**	**502,490**

OTHER SERVICES & CHARGES							
PROFESSIONAL SERVICES							
6315	MISCELLANEOUS PROFESSIONAL SER	28,986	21,794	28,146	29,897	26,000	32,500
TOTAL PROFESSIONAL SERVICES		**28,986**	**21,794**	**28,146**	**29,897**	**26,000**	**32,500**
COMMUNICATION							
6321	TELEPHONE	2,337	2,394	2,211	-	-	-
6322	POSTAGE	2,328	531	40	143	1,404	2,200
6323	CELLULAR PHONES	6,427	5,653	5,816	-	-	-
TOTAL COMMUNICATION		**11,092**	**8,578**	**8,067**	**143**	**1,404**	**2,200**
EMPLOYEE REIMBURSEMENTS							
6331	TRAVEL & LODGING	72	92	-	-	150	-
6335	TRAINING	7,726	4,821	6,623	6,952	7,345	15,940
TOTAL EMPLOYEE REIMBURSEMENTS		**7,798**	**4,913**	**6,623**	**6,952**	**7,495**	**15,940**
INSURANCE							
6361	GENERAL LIABILITY/PROPERTY INS	25,244	21,831	26,966	25,801	35,000	32,564
TOTAL INSURANCE		**25,244**	**21,831**	**26,966**	**25,801**	**35,000**	**32,564**
UTILITIES							
6371	ELECTRIC UTILITIES	7,555	7,382	8,153	8,319	15,000	15,000
6372	WATER/IRRIGATION	2,656	7,034	7,020	2,238	7,000	7,000
6373	GAS	5,240	4,690	6,001	6,924	15,000	15,000
6374	REFUSE/RECYCLING	2,167	2,353	3,611	2,180	3,400	3,800
TOTAL UTILITIES		**17,618**	**21,458**	**24,785**	**19,662**	**40,400**	**40,800**
REPAIRS AND MAINTENANCE - LABOR							
6381	BUILDING & STRUCTURE REPAIR	3,393	3,645	1,248	1,582	3,200	25,170
6382	MACHINERY & EQUIPMENT REPAIR	4,820	-	4,944	5,172	5,000	5,600
6387	TIRE MOUNTING & BALANCING	160	300	255	60	400	400
6388	OTHER VEHICLE REPAIR	23,444	15,523	15,242	9,487	25,000	27,000
TOTAL REPAIRS AND MAINTENANCE - LABOR		**31,817**	**19,468**	**21,689**	**16,300**	**33,600**	**58,170**
REPAIRS AND MAINTENANCE - CONTRACTS							
6404	MACHINERY & EQUIPMENT	1,332	1,332	1,221	3,458	-	3,500
6405	OFFICE & DATA PROCESSING EQUIP	-	968	-	3,745	-	-
TOTAL REPAIRS AND MAINTENANCE - CONTRACTS		**1,332**	**2,300**	**1,221**	**7,203**	**-**	**3,500**
RENTALS							
6415	OTHER EQUIPMENT RENTAL	86,565	1,581	8,333	2,205	15,200	16,000
6417	UNIFORM RENTAL	1,672	1,479	1,583	689	400	800
TOTAL RENTALS		**88,237**	**3,061**	**9,916**	**2,894**	**15,600**	**16,800**
DUES, SUBSCRIPTIONS, AND REGISTRATION FEES							
6451	MEMBERSHIP DUES	1,084	2,279	1,017	1,670	2,025	2,975
TOTAL DUES, SUBSCRIPTIONS, AND REGISTRATION FEES		**1,084**	**2,279**	**1,017**	**1,670**	**2,025**	**2,975**
BOOKS AND PAMPHLETS							
6471	BOOKS & PAMPHLETS	82	-	-	-	-	-
TOTAL BOOKS AND PAMPHLETS		**82**	**-**	**-**	**-**	**-**	**-**
CONTRACTED SERVICES							
6488	STREET MAINTENANCE CONTRACT	237,483	500,000	462,784	294,998	575,000	555,000
6489	OTHER CONTRACTED SERVICES	9,489	14,830	7,324	5,461	15,000	20,000
TOTAL CONTRACTED SERVICES		**246,971**	**514,830**	**470,108**	**300,459**	**590,000**	**575,000**
Total OTHER SERVICES & CHARGES		**460,263**	**620,510**	**598,537**	**410,981**	**751,524**	**780,449**
CAPITAL OUTLAY							
CAPITAL OUTLAY							
6540	HEAVY MACHINERY	185,980	-	116,891	103,199	298,750	770,318
6550	MOTOR VEHICLES	33,500	-	62,772	-	162,852	165,000
6580	OTHER EQUIPMENT	-	-	271,302	23,858	18,855	236,500
TOTAL CAPITAL OUTLAY		**219,480**	**-**	**450,964**	**127,057**	**480,457**	**1,171,818**
Total CAPITAL OUTLAY		**219,480**	**-**	**450,964**	**127,057**	**480,457**	**1,171,818**
TOTAL EXPENDITURES & OTHER FINANCING		**2,028,451**	**2,009,196**	**2,393,459**	**2,153,946**	**2,899,371**	**4,120,033**

FUND GENERAL

ENGINEERING

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0301	6102	F.T. REGULAR-WAGES & SALARIES	206,802	245,602	240,248	293,930	327,183	386,389
0301	6103	FULL TIME-REGULAR-OVERTIME	9,788	17,702	20,287	23,675	20,000	20,000
0301	6104	PART TIME-WAGES & SALARIES	-	-				
0301	6105	TEMPORARY-WAGES & SALARIES	11,915	11,110	14,550	14,752	33,280	
0301	6106	OVERTIME-TEMPORARY	926	259	878	636		
0301	6108	SEVERANCE PAY	18,602					
0301	6121	PERA CONTRIBUTIONS	15,192	19,434	19,411	23,597	28,535	30,479
0301	6122	FICA/MEDICARE CONTRIBUTIONS	17,825	18,924	19,849	23,812	29,106	31,089
0301	6131	GROUP INSURANCE	36,693	41,855	42,747	40,296	57,480	69,543
0301	6133	WORKERS COMP INSURANCE PREMIUM	1,180	1,445	1,198	2,078	3,367	3,385
0301	6205	DRAFTING SUPPLIES	-	-	-	-	-	
0301	6208	MISCELLANEOUS OFFICE SUPPLIES	2,755	734	795	1,279	700	850
0301	6223	GASOLINE	3,917	3,677	4,789	5,650	7,000	8,800
0301	6231	UNIFORMS & TURN-OUT GEAR	2,156	1,327	1,170	1,331	1,500	1,650
0301	6249	MISCELLANEOUS OPERATING SUPPLY	841	2,255	-	854	-	750
0301	6257	OTHER VEHICLE PARTS	893	1,122	2,108	1,397	1,200	1,800
0301	6281	SMALL TOOLS & MINOR EQUIPMENT	218	86	-	-	400	2,700
0301	6315	MISCELLANEOUS PROFESSIONAL SER	967	4,139	197	1,288	4,000	7,500
0301	6321	TELEPHONE	1,285	1,334	1,239	-	-	
0301	6322	POSTAGE	2,298	460	7	87	1,204	2,000
0301	6323	CELLULAR PHONES	2,660	2,589	3,427	-	-	
0301	6331	TRAVEL & LODGING	72	92	-	-	150	
0301	6335	TRAINING	4,090	2,112	3,699	3,059	3,245	8,440
0301	6361	GENERAL LIABILITY/PROPERTY INS	4,415	4,799	4,131	3,990	6,000	4,464
0301	6405	OFFICE & DATA PROCESSING EQUIP	-	968	-	3,745	-	
0301	6451	MEMBERSHIP DUES	732	1,919	748	1,393	1,625	2,375
0301	6471	BOOKS & PAMPHLETS	82	-	-	-	-	
0301	6580	OTHER EQUIPMENT	-	-	-	-	-	42,000
0301	6550	MOTOR VEHICLES	33,500			-	29,000	56,000
Total Expenditure			**379,804**	**383,947**	**381,476**	**446,849**	**554,975**	**680,214**

PERSONNEL COMPLEMENT						
PW Director/City Engineer	-	-	-	-	1.00	1.00
City Engineer	1.00	1.00	1.00	1.00	-	-
Assistant City Engineer	-	-	-	0.50	1.00	1.00
Engineering Tech IV	0.50	1.00	1.00	1.00		
Engineering Tech II	1.00	1.00	1.00	1.00	1.00	2.00
Engineering Tech III	1.00	-	-	-	1.00	1.00
Senior Engineering Technician					1.00	1.00
Civil Engineer IV	1.00	1.00	1.00	1.00	1.00	1.00
Civil Engineer II		1.00	1.00	0.50	0.00	
Secretary (Moved to PW)	-	-	-	-	-	-
Administrative Assistant	0.50	1.00	1.00	1.00	1.00	1.00
Interns (2)	1.00	1.00	1.00	1.00	1.00	
Engineering Total	6.00	7.00	7.00	7.00	8.00	8.00

DESCRIPTION OF SERVICES:

The Engineering budget covers engineering functions not charged to specific projects. The City Engineer oversees all engineering including working with the Minnesota Department of Transportation, Anoka County, other cities and regulating agencies, maintaining mapping and GIS data, managing stormwater runoff, responding to citizen and staff requests, and general engineering functions.

BUDGET HIGHLIGHTS

- Engineering Tech II approved by CC 3-14-23 - $55,915
- GMC Sierra - Approved 2-28-23 CC worksession- $56,000 (6550) (Pavement Mgmt Fund)
- Survey Equipment - $42,000 (6580) (Equipment Fund)
-
-

GOALS OF CURRENT YEAR BUDGET:

Ensure stable and sustainable funding exists for Pavement Management Program.
Support construction of Water Treatment Plant.
Support improvements identified in Anoka County CSAH 5/Nowthen Blvd. transportation
Conduct well siting study for new municipal well #9.
Develop and plan for key infrastructure improvements (AUAR, utilities, transportation).
Support construction of Ramsey Gateway Highway 10 improvements.
Investigate improved pavement condition rating systems.
Continue pavement rejuvenation program to replace suspended sealcoat program.

Performance Measurements:

	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Projected	2024 Projected
Active Engineering Projects	12	12	13	14	18	24
Completed Engineering Projects	10	10	11	11	14	17
Infrastructure Asset Management System Upgrades	0	0	0	0	0	0

FUND GENERAL

STREET MAINTENANCE

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0311	6102	F.T. REGULAR-WAGES & SALARIES	379,894	422,342	403,503	393,338	448,809	592,603
0311	6103	FULL TIME-REGULAR-OVERTIME	1,533	679	1,008	1,220	2,000	2,000
0311	6105	TEMPORARY-WAGES & SALARIES	9,361	9,971	5,160	6,422	19,200	22,208
0311	6108	SEVERANCE PAY	8,173		4,555	65,629		
0311	6121	PERA CONTRIBUTIONS	28,192	31,401	30,100	30,106	33,811	44,595
0311	6122	FICA/MEDICARE CONTRIBUTIONS	29,153	31,632	30,462	30,807	37,899	50,887
0311	6131	GROUP INSURANCE	84,200	93,179	97,338	84,593	95,051	148,115
0311	6133	WORKERS COMP INSURANCE PREMIUM	29,349	35,662	28,331	30,800	39,447	47,846
0311	6208	MISCELLANEOUS OFFICE SUPPLIES	622	276	301	727	400	700
0311	6221	CLEANING SUPPLIES	-					
0311	6223	GASOLINE	9,427	7,580	10,759	15,664	15,500	20,000
0311	6225	DIESEL FUEL	22,378	20,148	13,194	31,077	22,000	26,000
0311	6227	LUBRICANTS & ADDITIVES	5,296	3,553	6,269	6,106	5,000	7,500
0311	6229	SHOP MATERIALS	865	2,697	1,548	3,825	2,600	3,500
0311	6231	UNIFORMS & TURN-OUT GEAR	3,020	2,497	5,145	5,900	4,000	6,500
0311	6249	MISCELLANEOUS OPERATING SUPPLY	8,828	7,538	7,331	10,129	9,500	11,500
0311	6257	OTHER VEHICLE PARTS	30,149	30,188	21,869	39,496	32,000	41,000
0311	6259	BUILDING MAINT/REPAIR SUPPLIES	2,382	1,677	563	2,622	2,500	2,700
0311	6261	SAND & GRAVEL	-	-	-	-	1,000	1,500
0311	6265	ASPHALT	14,235	22,316	32,491	32,311	32,500	33,000
0311	6267	OTHER STREET MAINTENANCE SUPPL	1,577	19	1,019	9,599	2,100	4,000
0311	6269	LANDSCAPE MATERIALS	5,675	1,520	1,174	952	7,500	7,500
0311	6275	OTHER EQUIPMENT PARTS	-					
0311	6281	SMALL TOOLS & MINOR EQUIPMENT	16,043	12,678	14,424	15,163	22,000	23,500
0311	6315	MISCELLANEOUS PROFESSIONAL SER	28,019	17,655	27,948	28,610	22,000	25,000
0311	6321	TELEPHONE	1,052	1,060	973	-	-	
0311	6322	POSTAGE	30	71	33	56	200	200
0311	6323	CELLULAR PHONES	3,767	3,063	2,389	-	-	
0311	6335	TRAINING	3,636	2,709	2,924	3,893	4,100	7,500
0311	6361	GENERAL LIABILITY/PROPERTY INS	17,277	14,126	20,250	18,960	23,000	25,000
0311	6371	ELECTRIC UTILITIES	7,555	7,382	8,153	8,319	15,000	15,000
0311	6372	WATER/IRRIGATION	2,656	7,034	7,020	2,238	7,000	7,000
0311	6373	GAS	5,240	4,690	6,001	6,924	15,000	15,000
0311	6374	REFUSE/RECYCLING	2,167	2,353	3,611	2,180	3,400	3,800
0311	6381	BUILDING & STRUCTURE REPAIR	3,393	3,645	1,248	1,582	3,200	25,170
0311	6382	MACHINERY & EQUIPMENT REPAIR	4,820	-	4,944	5,172	5,000	5,600
0311	6387	TIRE MOUNTING & BALANCING	160	300	255	60	400	400
0311	6388	OTHER VEHICLE REPAIR	13,953	14,814	12,400	4,205	11,000	12,000
0311	6404	MACHINERY & EQUIPMENT	1,332	1,332	1,221	3,458		3,500
0311	6415	OTHER EQUIPMENT RENTAL	86,565	1,581	8,333	2,205	15,200	16,000
0311	6417	UNIFORM RENTAL	1,672	1,479	1,583	689	400	800
0311	6451	MEMBERSHIP DUES	353	360	269	278	400	600
0311	6488	STREET MAINTENANCE CONTRACT	237,483	500,000	462,784	294,998	575,000	555,000
0311	6489	OTHER CONTRACTED SERVICES	9,489	14,830	7,324	5,461	15,000	20,000
0311	6540	HEAVY MACHINERY	185,980		116,891	103,199	298,750	770,318
0311	6550	MOTOR VEHICLES	-		62,772		133,852	109,000
0311	6580	OTHER EQUIPMENT			271,302	23,858	18,855	194,500
Total Expenditure			**1,306,948**	**1,336,038**	**1,747,168**	**1,332,827**	**2,001,574**	**2,908,542**

PERSONNEL COMPLEMENT						
Public Works Superintendent	1.00	1.00	1.00	1.00	1.00	
Secretary (Formerly under Engineering)	1.00	1.00	1.00	1.00	1.00	1.00
Mechanic	2.00	2.00	2.00	2.00	2.00	3.00
Street Supervisor	-	-	-	1.00	1.00	1.00
Streets Lead Worker	1.00	1.00	1.00	1.00	1.00	1.00
PW Maintenance Worker	5.00	5.00	5.00	5.00	5.00	8.00
Temporary - Streets	0.50	0.50	0.50	0.50	0.50	0.50
Street Maintenance Total	10.50	10.50	10.50	11.50	11.50	14.50

6488/6489 Other Contracted Services						
Pavement Management Program Funding (Transfer to Pavement Management Fund)		260,742	300,000	-	-	-
Contract services for Pothole patching						
Cracksealing/Rejuvenation/Spray Patching	237,483	239,258	162,784	200,000	200,000	200,000
Spray Patching	-	-	-	-	375,000	355,000
Curb Repair/Tree Removal		-	-	15,000	15,000	20,000
	237,483	500,000	462,784	215,000	590,000	575,000

6540 - Heavy Machinery						
F350 truck with plow (2021 & 2022 total cost)	-	-	116,891	103,199		
1-Ton Truck	-	-	-			
2-Single Axls Plow Trucks	148,292	-	-			544,318
Tractor Backhoe ($84,000 total remainder utility funded)	37,688	-	-			
Tandem Axle Truck with Plow	-	-	-		298,750	
721 G Front End Loader						226,000
	185,980	-	116,891	103,199	298,750	770,318

6550-Motor Vehicle						
1-ton truck		-	62,772			
2-3/4 ton trucks with plows (1 new & 1 replacement)	-	-	-	-	133,852	
F550 4x4 Truck with 9' 2" V-plow (New) with lift gate						109,000
F350 4x4 with utility box and 9' 2" Boss V-Plow Sign truck			-			
	-	-	62,772	-	133,852	109,000

6580 - Other Equipment						
Sidewalk Machine	-	-	162,723			
Snow Pusher Box for Front End Loader					18,855	
Trailer for skidsteer	-	-	15,102			
Toolcat			36,105			
Skidsteer	-	-	57,372			
Tire balancer (1/2 cost other 1/2 police)				9,453		
Asphalt floater				14,405		
ATV Athletic Field Maintenance Machine	14,032	-	-			
Hydraulic hose Crimping Machine						
Trailer Mounted Boom Lift						58,000
Bobcat T66 Skidsteer						81,000
Scissor Lift JLG 2646						26,500
10-Foot Slide in Removable Salt/Sander Spreader (Truck Mounted)						14,000
Hydraulic hose Crimping Machine						15,000
	14,032	-	271,302	23,858	18,855	194,500

DESCRIPTION OF SERVICES:

The Street Maintenance Department is responsible for maintaining city streets, sidewalks, traffic signs, boulevards, ROW mowing and the storm water collection system.

BUDGET HIGHLIGHTS

- Street Maintenance Worker - New Full Time - Start 2-5-24 -$66,125) (6102-6133)
- Street Maintenance Worker - New Full Time - Start 2-5-24 -$66,125) (6102-6133)
- Street Maintenance Worker - New Full Time - Start 3-4-24 -$60,219 (6102-6133)
- Mechanic - New Full Time - Start 3-4-24 -$65,420 (6102-6133)
- PW Building Repairs (1/3 share) - $21,670 (6381)
- Contract Services Pothole Patching - $500,000 (6488-6489)
- Spray Patching - ARPA funds of $375,000 spent in 2023 (6488-6489)
- 2-Single Axle Plow Trucks (CC Authorized 1-24-23) - $544,318
- Additional Capital Requests (See listing above) - $529,500 (6540-6580) (Capital Equip Debt)

GOALS OF CURRENT YEAR BUDGET:
Maintain and improve city's rating of 7.0 average of road condition
Increase use of contracted services on pothole repair (velocity patching)
Increase prevenative maintenace to prolong the life of our public streets
Maintain our city vehicles and equipment to the highest level possible

Performance Measurements:						
	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Projected	2024 Projected
Crack filling (miles)	21.5	7	20.88	10.37	15	19
Sealcoating (miles)	0	0	0	0	0	0
Asphalt patching (tons)	532	500		380	385	390

FUND GENERAL

SNOW AND ICE REMOVAL

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0312	6102	F.T. REGULAR-WAGES & SALARIES	111,161	74,710	91,623	110,001	107,821	152,565
0312	6103	FULL TIME-REGULAR-OVERTIME	27,433	17,925	17,122	17,405	10,000	10,000
0312	6105	TEMPORARY-WAGES & SALARIES	7,443	2,151	4,922	9,082	8,775	12,000
0312	6121	PERA CONTRIBUTIONS	10,547	1,959	7,997	9,179	8,837	12,193
0312	6122	FICA/MEDICARE CONTRIBUTIONS	11,416	6,451	8,541	10,046	9,685	13,354
0312	6133	WORKERS COMP INSURANCE PREMIUM	9,353	6,726	6,629	11,287	12,104	16,025
0312	6223	GASOLINE	-	6,636	1,873		8,000	11,000
0312	6225	DIESEL FUEL	26,138	14,396	19,191	23,092	28,000	35,000
0312	6229	SHOP MATERIALS	57	24	144	-	200	500
0312	6251	BATTERIES	-					
0312	6257	OTHER VEHICLE PARTS	35,875	54,572	28,260	42,965	38,000	42,000
0312	6261	SAND & GRAVEL	4,726	2,907	-	2,300	3,400	3,800
0312	6263	SALT	97,334	92,362	68,800	129,704	77,000	192,240
0312	6267	OTHER STREET MAINTENANCE SUPPL	5,777	4,779	4,284	1,076	11,000	12,500
0312	6361	GENERAL LIABILITY/PROPERTY INS	3,553	2,906	2,586	2,851	6,000	3,100
0312	6388	OTHER VEHICLE REPAIR	9,491	709	2,842	5,282	14,000	15,000
0312	6489	OTHER CONTRACTED SERVICES	-					
Total Expenditure			**360,301**	**289,211**	**264,815**	**374,270**	**342,822**	**531,277**

DESCRIPTION OF SERVICES:

The Snow and Ice Removal budget provides for snow removal and for ice control on city streets, parking lots, and pathways.

BUDGET HIGHLIGHTS

- Staff time redistributed between streets, traffic engr & snow plowing
- Salt Costs Increase - $115,240 (6263)

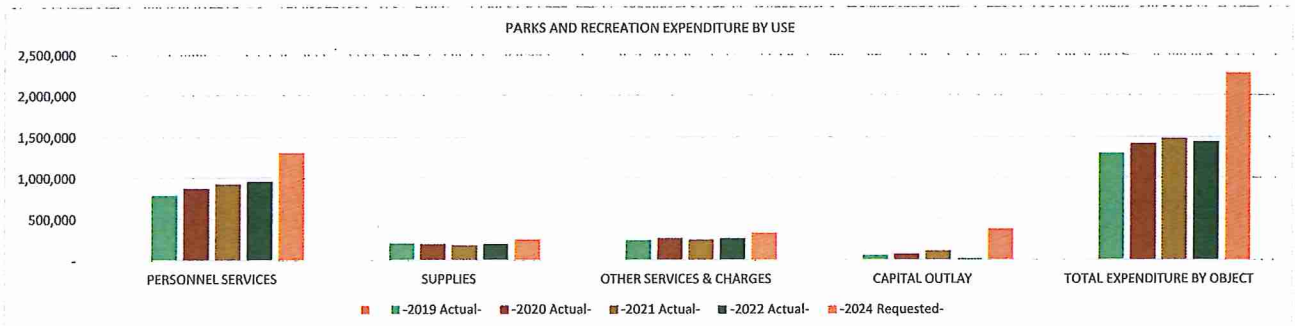
GOALS OF CURRENT YEAR BUDGET:

Clearing of parking ramp utilizing PW Staff (full time, temp on call, & seasonal staff) See PUMA
Continue to monitor and reduce salt usage
Continue to complete citywide plowing in 8 hours or less
Upgrade weather service to MDSS (maintenance decision support software)
Equip cul-de-sac trucks and sidewalk plowing equipment with AVL to track snow removal

Performance Measurements:						
	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Projected	2024 Projected
Miles of Streets Plowed	181.8	181.8				
Cul-de-sacs	283	283				
Salt/Sand Purchased (tons)	1200	1200				
Snow Removal Hours	5161	3090				
Full Scale Plowing Events	9.00	9.00				

PARKS AND RECREATION	452-455

EXPENDITURE BY OBJECT SUMMARY	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES	791,294	878,027	929,874	962,545	1,118,642	1,310,835
SUPPLIES	207,079	198,379	186,228	200,417	239,094	255,150
OTHER SERVICES & CHARGES	244,126	266,854	253,330	265,263	244,700	331,970
CAPITAL OUTLAY	60,911	75,610	112,370	16,852	59,100	379,200
TOTAL EXPENDITURE BY OBJECT	**1,303,410**	**1,418,871**	**1,481,802**	**1,445,077**	**1,661,536**	**2,277,155**



LINE ITEM DETAIL BY COST CENTER OR SUB-FUNCTION

PARKS AND RECREATION 452-455

EXPENDITURE BY OBJECT RECAP ALL SUB-FUNCTIONS	-2019 Actual-	-2020 Actual-	-2021 Actual-	-2022 Actual-	-2023 Adopted-	-2024 Requested-
PERSONNEL SERVICES						
WAGES AND SALARIES						
6102 F.T. REGULAR-WAGES & SALARIES	516,077	572,067	618,528	617,124	721,420	858,087
6103 FULL TIME-REGULAR-OVERTIME	4,308	494	1,837	1,469	1,000	1,000
6105 TEMPORARY-WAGES & SALARIES	89,070	99,094	85,592	87,275	94,107	111,040
TOTAL WAGES AND SALARIES	**609,455**	**671,654**	**705,957**	**705,868**	**816,527**	**970,127**
EMPLOYER CONTRIBUTIONS						
6121 PERA CONTRIBUTIONS	40,860	45,806	48,065	48,867	54,639	62,849
6122 FICA/MEDICARE CONTRIBUTIONS	46,762	50,846	53,916	53,502	62,465	74,214
6131 GROUP INSURANCE	68,662	78,670	94,527	116,186	129,665	158,304
6133 WORKERS COMP INSURANCE PREMIUM	25,555	31,051	27,409	38,121	55,346	45,341
TOTAL EMPLOYER CONTRIBUTIONS	**181,839**	**206,373**	**223,916**	**256,677**	**302,115**	**340,708**
Total PERSONNEL SERVICES	**791,294**	**878,027**	**929,874**	**962,545**	**1,118,642**	**1,310,835**
SUPPLIES						
OFFICE SUPPLIES						
6208 MISCELLANEOUS OFFICE SUPPLIES	1,441	348	501	1,185	600	700
TOTAL OFFICE SUPPLIES	**1,441**	**348**	**501**	**1,185**	**600**	**700**
OPERATING SUPPLIES						
6223 GASOLINE	19,107	15,140	19,559	22,510	28,000	28,000
6225 DIESEL FUEL	4,500	265	3,238	9,893	12,000	12,000
6229 SHOP MATERIALS	654	523	939	3,467	1,000	2,500
6231 UNIFORMS & TURN-OUT GEAR	3,888	3,412	4,882	6,130	4,200	5,000
6249 MISCELLANEOUS OPERATING SUPPLY	35,821	32,775	30,380	31,531	33,000	33,000
TOTAL OPERATING SUPPLIES	**63,970**	**52,116**	**58,998**	**73,531**	**78,200**	**80,500**
REPAIR AND MAINTENANCE SUPPLIES						
6257 OTHER VEHICLE PARTS	17,698	15,975	7,020	16,974	17,000	17,000
6265 ASPHALT	93,441	97,967	101,594	71,915	108,294	120,000
6269 LANDSCAPE MATERIALS	19,297	16,785	11,449	16,843	20,000	20,000
6268 IRRIGATION SUPPLIES	9,317	13,000	6,025	16,118	10,000	12,750
TOTAL REPAIR AND MAINTENANCE SUPPLIES	**139,753**	**143,727**	**126,088**	**121,851**	**155,294**	**169,750**
SMALL TOOLS AND MINOR EQUIPMENT						
6281 SMALL TOOLS & MINOR EQUIPMENT	1,915	2,189	641	3,851	5,000	4,200
TOTAL SMALL TOOLS AND MINOR EQUIPMENT	**1,915**	**2,189**	**641**	**3,851**	**5,000**	**4,200**
Total SUPPLIES	**207,079**	**198,379**	**186,228**	**200,417**	**239,094**	**255,150**

OTHER SERVICES & CHARGES							
PROFESSIONAL SERVICES							
6315	MISCELLANEOUS PROFESSIONAL SER	31,522	33,468	30,717	28,405	33,000	35,000
TOTAL PROFESSIONAL SERVICES		**31,522**	**33,468**	**30,717**	**28,405**	**33,000**	**35,000**
COMMUNICATION							
6321	TELEPHONE	784	155	-	-	-	-
6322	POSTAGE	79	90	54	211	100	150
6323	CELLULAR PHONES	4,590	3,149	3,171	-	-	-
TOTAL COMMUNICATION		**5,453**	**3,394**	**3,225**	**211**	**100**	**150**
EMPLOYEE REIMBURSEMENTS							
6331	TRAVEL & LODGING		-	-	-	-	-
6334	MILEAGE REIMBURSEMENT		-	-	-	-	-
6335	TRAINING	2,914	2,714	453	1,169	2,500	2,500
TOTAL EMPLOYEE REIMBURSEMENTS		**2,914**	**2,714**	**453**	**1,169**	**2,500**	**2,500**
ADVERTISING AND PUBLISHING							
6352	GENERAL NOTICE & PUBLIC INFOR		-	-	-	-	-
TOTAL ADVERTISING AND PUBLISHING		-	-	-	-	-	-
INSURANCE							
6361	GENERAL LIABILITY/PROPERTY INS	15,364	17,404	17,104	12,875	22,000	45,000
TOTAL INSURANCE		**15,364**	**17,404**	**17,104**	**12,875**	**22,000**	**45,000**
UTILITIES							
6371	ELECTRIC UTILITIES	22,301	24,032	30,992	32,719	35,000	34,000
6372	WATER/IRRIGATION	6,095	7,444	11,167	10,771	12,000	11,000
6373	GAS	3,514	3,421	7,073	12,404	14,000	13,750
6374	REFUSE/RECYCLING	4,739	3,857	5,428	7,533	800	8,000
TOTAL UTILITIES		**36,648**	**38,753**	**54,660**	**63,427**	**61,800**	**66,750**
REPAIRS AND MAINTENANCE - LABOR							
6381	BUILDING & STRUCTURE REPAIR	8,793	14,100	14,346	22,387	10,000	36,670
6382	MACHINERY & EQUIPMENT REPAIR	12,601	10,031	543	8,964	7,000	6,000
6388	OTHER VEHICLE REPAIR	6,429	1,226	3,177	-	5,000	3,000
TOTAL REPAIRS AND MAINTENANCE - LABOR		**27,823**	**25,357**	**18,066**	**31,350**	**22,000**	**45,670**
RENTALS							
6415	OTHER EQUIPMENT RENTAL	1,568	1,489	777	985	2,000	1,000
6416	MACHINERY RENTAL	275	-	-	-	300	-
6417	UNIFORM RENTAL	276	231	258	224	400	300
TOTAL RENTALS		**2,119**	**1,719**	**1,036**	**1,209**	**2,700**	**1,300**
DUES, SUBSCRIPTIONS, AND REGISTRATION FEES							
6451	MEMBERSHIP DUES	300	420	300	300	600	600
TOTAL DUES, SUBSCRIPTIONS, AND REGISTRATION FEES		**300**	**420**	**300**	**300**	**600**	**600**
CONTRACTED SERVICES							
6489	OTHER CONTRACTED SERVICES	121,982	143,625	127,769	126,317	100,000	135,000
TOTAL CONTRACTED SERVICES		**121,982**	**143,625**	**127,769**	**126,317**	**100,000**	**135,000**
Total OTHER SERVICES & CHARGES		**244,126**	**266,854**	**253,330**	**265,263**	**244,700**	**331,970**
CAPITAL OUTLAY							
CAPITAL OUTLAY							
6540	HEAVY MACHINERY	-	42,861	-	-	-	209,200
6550	VEHICLES	-	-	-	-	59,100	72,000
6580	OTHER EQUIPMENT	60,911	32,749	112,370	16,852	-	98,000
TOTAL CAPITAL OUTLAY		**60,911**	**75,610**	**112,370**	**16,852**	**59,100**	**379,200**
Total CAPITAL OUTLAY		**60,911**	**75,610**	**112,370**	**16,852**	**59,100**	**379,200**
TOTAL EXPENDITURES & OTHER FINANCING		**1,303,410**	**1,418,871**	**1,481,802**	**1,445,077**	**1,661,536**	**2,277,155**

FUND GENERAL

PARK AND RECREATION

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0452	6102	F.T. REGULAR-WAGES & SALARIES	516,077	572,067	618,528	617,124	721,420	858,087
0452	6103	FULL TIME-REGULAR-OVERTIME	4,308	494	1,837	1,469	1,000	1,000
0452	6104	PART TIME-WAGES & SALARIES	23,517	30,275	17,113	36,452		
0452	6105	TEMPORARY-WAGES & SALARIES	65,553	68,819	68,479	50,823	94,107	111,040
0452	6121	PERA CONTRIBUTIONS	40,860	45,806	48,065	48,867	54,639	62,849
0452	6122	FICA/MEDICARE CONTRIBUTIONS	46,762	50,846	53,916	53,502	62,465	74,214
0452	6131	GROUP INSURANCE	68,662	78,670	94,527	116,186	129,665	158,304
0452	6133	WORKERS COMP INSURANCE PREMIUM	25,555	31,051	27,409	38,121	55,346	45,341
0452	6208	MISCELLANEOUS OFFICE SUPPLIES	1,441	348	501	1,185	600	700
0452	6223	GASOLINE	19,107	15,140	19,559	22,510	28,000	28,000
0452	6225	DIESEL FUEL	4,500	265	3,238	9,893	12,000	12,000
0452	6229	SHOP MATERIALS	654	523	939	3,467	1,000	2,500
0452	6231	UNIFORMS & TURN-OUT GEAR	3,888	3,412	4,882	6,130	4,200	5,000
0452	6249	MISCELLANEOUS OPERATING SUPPLY	35,821	32,775	30,380	31,531	33,000	33,000
0452	6257	OTHER VEHICLE PARTS	17,698	15,975	7,020	16,974	17,000	17,000
0452	6265	ASPHALT	93,441	97,967	101,594	71,915	108,294	120,000
0452	6268	IRRIGATION SUPPLIES	9,317	13,000	6,025	16,118	10,000	12,750
0452	6269	LANDSCAPE MATERIALS	19,297	16,785	11,449	16,843	20,000	20,000
0452	6281	SMALL TOOLS & MINOR EQUIPMENT	1,915	2,189	641	3,851	5,000	4,200
0452	6315	MISCELLANEOUS PROFESSIONAL SER	31,522	33,468	30,717	28,405	33,000	35,000
0452	6321	TELEPHONE	784	155	-	-		
0452	6322	POSTAGE	79	90	54	211	100	150
0452	6323	CELLULAR PHONES	4,590	3,149	3,171	-		
0452	6335	TRAINING	2,914	2,714	453	1,169	2,500	2,500
0452	6361	GENERAL LIABILITY/PROPERTY INS	15,364	17,404	17,104	12,875	22,000	45,000
0452	6371	ELECTRIC UTILITIES	22,301	24,032	30,992	32,719	35,000	34,000
0452	6372	WATER/IRRIGATION	6,095	7,444	11,167	10,771	12,000	11,000
0452	6373	GAS	3,514	3,421	7,073	12,404	14,000	13,750
0452	6374	REFUSE/RECYCLING	4,739	3,857	5,428	7,533	800	8,000
0452	6381	BUILDING & STRUCTURE REPAIR	8,793	14,100	14,346	22,387	10,000	36,670
0452	6382	MACHINERY & EQUIPMENT REPAIR	12,601	10,031	543	8,964	7,000	6,000
0452	6388	OTHER VEHICLE REPAIR	6,429	1,226	3,177	-	5,000	3,000
0452	6415	OTHER EQUIPMENT RENTAL	1,568	1,489	777	985	2,000	1,000
0452	6416	MACHINERY RENTAL	275	-	-	-	300	-
0452	6417	UNIFORM RENTAL	276	231	258	224	400	300
0452	6451	MEMBERSHIP DUES	300	420	300	300	600	600
0452	6489	OTHER CONTRACTED SERVICES	101,982	143,625	127,769	126,317	100,000	135,000
0452	6540	HEAVY MACHINERY	-	42,861				209,200
0452	6550	MOTOR VEHICLES	-	-	-		59,100	72,000
0452	6580	OTHER EQUIPMENT	60,911	32,749	112,370	16,852		98,000
Total Expenditure			**1,283,410**	**1,418,871**	**1,481,802**	**1,445,077**	**1,661,536**	**2,277,155**

PERSONNEL COMPLEMENT						
Park Maintenance Worker	4.00	4.00	5.00	6.00	6.00	7.00
Utilities Maintenance Worker (Enterprise Funded)	3.00	3.00	3.00	3.00	3.00	3.00
Utilities Supervisor (Enterprise Funded)	1.00	1.00	1.00	1.00	1.00	1.00
Parks/Assistant PW Director	1.00	1.00	1.00	1.00	1.00	1.00
Park Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
Parks Lead Worker	1.00	1.00	1.00	1.00	1.00	1.00
Recreation and Special Event Coord.						1.00
Recreation Specialist	0.50	0.50	0.50	0.50	1.00	-
Temporary - Parks	3.62	3.62	3.62	3.62	3.62	3.62
Admin Assistant	-	-	-	-	-	1.00
Parks Intern	0.34	-	-	-	-	-
	15.46	15.12	16.12	17.12	17.62	19.62

6540/6550 Heavy Machinery						
3/4 ton 4/4 Truck		42,861	-			
3/4 Ton 4/4 Truck with plow equipment	-	-	-			
2 WD Pickup	-	-	-			72,000
1-ton truck with plow equipment	-	-	-		59,100	
F550 4/4 truck with plow						101,200
Mini wheel loader						108,000
	-	42,861	-	-	59,100	281,200

6580 Other Equipment						
ATV Athletic Field Maintenance Machine	-	-	-			
Kubota Tractor Attachment		32,749	-			
Large Area Mower		-	101,509			
Line Striper				19,000		
John Deere Mower			10,861			
3-Zero-Turn Mowers	21,338	-				54,000
Chipper	33,800	-				-
Turbine debris blower						9,000
Snowquip snowblower						35,000
	55,138	32,749	112,370	19,000	-	98,000

DESCRIPTION OF SERVICES:

The Park and Recreation Department is responsible for the outdoor maintenance of all municpal grounds, including the Municipal Center, fire stations, parks, trails and streetscapes. Parks facilities include bulidings, playgrounds, shelters, ballfields.

BUDGET HIGHLIGHTS

- Park Maintenance Worker - New Full Time - Start 3-4-24 $65,179 (6102-6133)
- PW Admin Asst - approved by CC 6-27-23 - $61,612
- Increase Seasonal wages - $16,933 (6104)
- PW Building Repairs (1/3 share) - $21,670 (6381)
- Bobcat Wheel Loader with Blower - $108,000 (6540-6550)
- F550 2-ton dump with plow - $101,200 (6540-6550)
- Turbine Debris Blower - $9,000 (6580)
- Snoquip Snow Blower - $35,000 (6580)

GOALS OF CURRENT YEAR BUDGET:

Continue addressing trail maintenance policy developed in 2015, to include ADA compliance
Improve snow removal timeline for trails, sidewalk, parking lot and rink snow removal with
Continue to work year-round with the athletic associations in the provision of youth
Strive to adequately address landscape and building maintenance
Attempt to adequately address boulevard tree replacements (Emerald Ash Borer and car kills)

Performance Measurements:						
	2019 Actual	2020 Actual	2021 Projected	2022 Projected	2023 Projected	2024 Projected
Number of City Parks	23	23	26	26	26	27
Number of Athletic Fields Maintained	42	42	42	42	42	42
Number of Playgrounds Maintained	17	17	17	17	17	17
Miles of Trails Maintained	70	70	70	70	70	70
Total Acreage Mowed	150.11	150.11	150.11	150.11	150.11	150.11

FUND GENERAL

COMMUNITY PROGRAMS

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0455	6489	OTHER CONTRACTED SERVICES	20,000					
Total Expenditure			**20,000**	-	-	-	-	-

6489 Other Contracted Services

Alexandra House (Gambling Funds)	10,000	-	-	-	-	-
Family Promise Donation	-	-	-	-	-	-
Ramsey Foundation - Draw Park Events (Gambling Funds)	10,000	-	-	-	-	-
	20,000	-	-	-	-	-

DESCRIPTION OF SERVICES:

The Community Programs budget provides funding for those organizations that provide programs and support to Ramsey residents in need.

BUDGET HIGHLIGHTS

- Funding For Alexandra House and Draw Park Events Funded via Gambling Fund

GOALS OF CURRENT YEAR BUDGET:

Increase citizens knowledge of programs offered

FUND GENERAL

EXPENDITURE RESERVE
CONTINGENCY

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Requested Budget
0892	6102-6133	2024 NEW PERSONNEL REQUESTS	-	-	-			
0892	6282	EMERGENCY SUPPLIES - COVID	-	436,995	2,741			
0892	6315	MISCELLANEOUS PROFESSIONAL SER	-	-	-	-	18,600	20,000
0892	6603	OTHER L.T. OBLIGATION PRINCIPA	61,853	61,853	61,853	61,853		
0892	6820	OPERATING TRANSFERS TO OTHER F	575,817	1,376,215	409,801	272,688	106,373	106,373
Total Expenditure			**637,670**	**1,875,063**	**474,396**	**334,541**	**124,973**	**126,373**

6603/6820 Principal & Transfers							
Bury Carlson Internal Loan (PIR Fund)*	44,520	44,520	44,520	44,520	44,520	44,520	
Minicipal Center debt transfer interfund	61,853	61,853	61,853	61,853	61,853	61,853	
	106,373	106,373	106,373	106,373	106,373	106,373	

*Coded directly against property tax when collected

6820 Transfers to Other Funds			
Excess Revenue Transfer	575,817	1,376,215	-
	-	-	-
	575,817	1,376,215	-

DESCRIPTION OF SERVICES:

The Contingency budget is to be used for unforeseen expenditures or for anticipated expenditures of uncertain amounts.

BUDGET HIGHLIGHTS

- All Personnel Requests (Reclasses, Additional Hours & New) - $595,491

GOALS OF CURRENT YEAR BUDGET:

Minimize unbudgeted/unallocated expenses

BUDGET SUMMARY:								
Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Rquested Budget
9230	4011	CURRENT-AD VALOREM TAXES	85,062	76,787	63,927	66,843	82,610	87,390
9230	4012	DELINQUENT-AD VALOREM TAXES	434	410	1,060	348		
9230	4014	FISCAL DISPARITIES	14,360	13,753	11,146	9,838		
9230	4273	OTHER STATE GRANTS & AIDS	-					
9230	4609	OTHER MISCELLANEOUS REVENUES	46,972		10	198,638		
9230	4701	INTEREST ON INVESTMENTS	35,028	40,633	(3,673)	(11,202)	5,000	5,000
9230	4901	TRANSFER IN FROM OTHER FUNDS	-					
Total Revenue			**181,856**	**131,583**	**72,470**	**264,465**	**87,610**	**92,390**

Business Unit	Object Account	Description	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Adopted Budget	2024 Rquested Budget
9230	6102	F.T. REGULAR-WAGES & SALARIES	-					
9230	6105	TEMPORARY-WAGES & SALARIES	840	755	560	660	1,500	1,000
9230	6121	PERA CONTRIBUTIONS	-		-			
9230	6122	FICA/MEDICARE CONTRIBUTIONS	64	58	43	50	100	80
9230	6131	GROUP INSURANCE	-					
9230	6133	WORKERS COMP INSURANCE PREMIUM	4	4	2	4	10	10
9230	6246	MARKETING	22,027	2,430	7,190	24,154	25,000	25,000
9230	6249	MISCELLANEOUS OPERATING SUPPLY	10,771	9,562	2,364	8,769	19,000	18,000
9230	6304	LEGAL FEES	-					
9230	6315	MISCELLANEOUS PROFESSIONAL SER	20,999	70,426	46,082	43,193	35,000	36,200
9230	6322	POSTAGE	-					
9230	6323	CELLULAR PHONES	-					
9230	6331	TRAVEL & LODGING	850	-	312	449	2,300	2,300
9230	6335	TRAINING	2,048	483	575	660	1,500	6,600
9230	6361	GENERAL LIABILITY/PROPERTY INS	590	877	3,242	624	1,000	1,000
9230	6371	ELECTRIC UTILITIES	-					
9230	6433	REFUNDS/REIMBURSEMENTS	-	-	250,000			
9230	6530	IMPROVEMENTS OTHER THAN BUILDINGS	-		15,151			
9230	6451	MEMBERSHIP DUES	1,437	940	1,121	1,798	2,200	2,200
9230	6452	SUBSCRIPTIONS	-	-	5	17	-	
9230	6530	IMPROVEMENTS OTHER THAN BUILDINGS	-	-	-	20,143	-	
Total Expenditure			**59,630**	**85,534**	**326,645**	**100,521**	**87,610**	**92,390**

DESCRIPTION OF SERVICES:

The primary objective of the Economic Development Authority is to aid, assist and promote the growth and expansion of commercial, retail and industrial development in the City of Ramsey.

GOALS OF CURRENT YEAR BUDGET:

Enhance Business Retention and Expansion Program
Increase number of jobs
Increase retail base
Reduce the amount of land owned by City for development

Effect on Taxpayers of Proposed 2024 Preliminary Levy (Home Values Provided from Anoka County)

TAX CAPACITY BASED ONLY LEVY - NOT MV REFERENDUMS - ANOKA SCHOOL DISTRICT

2024 Proposed: Levy Increase of $2,044,521 (11.21%)

2023 House Market Value	RESIDENTIAL 2023 House Tax Value Mkt Value Excl	2023 40.429% (Tax Cap. Based Only)	2023 City Portion of Taxes 49.25%	2024 House Market Value	2024 House Tax Value After Mkt Value Excl	2024 Increase 41.050% Tax Cap	2024 49.631% City Portion of Taxes	City Portion Tax Increase Over 2023	House Tax Market Value Increase	City Portion Tax % Increase
$ 193,600	$ 173,784	$ 1,427	$ 703	$ 189,000	$ 168,770	$ 1,396	$ 693	$ (10)	-2.89%	-1.37%
$ 254,700	$ 240,383	$ 1,973	$ 972	$ 264,100	$ 250,629	$ 2,073	$ 1,029	$ 56	4.26%	5.76%
$ 252,300	$ 237,767	$ 1,952	$ 961	$ 255,500	$ 241,255	$ 1,996	$ 991	$ 30	1.47%	3.15%
$ 312,200	$ 303,058	$ 2,488	$ 1,225	$ 314,400	$ 305,456	$ 2,527	$ 1,254	$ 29	0.79%	2.36%
$ 308,200	$ 298,698	$ 2,452	$ 1,208	$ 312,200	$ 303,058	$ 2,507	$ 1,244	$ 38	1.46%	3.13%
$ 316,100	$ 307,309	$ 2,523	$ 1,242	$ 312,300	$ 303,167	$ 2,508	$ 1,245	$ 1	-1.35%	0.12%
$ 331,900	$ 324,531	$ 2,664	$ 1,312	$ 336,800	$ 329,872	$ 2,729	$ 1,354	$ 43	1.65%	3.24%
$ 330,200	$ 322,678	$ 2,649	$ 1,305	$ 334,200	$ 327,038	$ 2,705	$ 1,343	$ 38	1.35%	2.91%
$ 346,700	$ 340,663	$ 2,797	$ 1,377	$ 350,100	$ 344,369	$ 2,849	$ 1,414	$ 37	1.09%	2.65%
$ 384,300	$ 381,647	$ 3,133	$ 1,543	$ 391,200	$ 389,168	$ 3,220	$ 1,598	$ 55	1.97%	3.57%
$ 392,500	$ 390,585	$ 3,206	$ 1,579	$ 399,100	$ 397,779	$ 3,291	$ 1,633	$ 53	1.84%	3.36%
$ 364,600	$ 360,174	$ 2,957	$ 1,456	$ 364,900	$ 360,501	$ 2,982	$ 1,480	$ 24	0.09%	1.64%
$ 414,000	$ 414,000	$ 3,399	$ 1,674	$ 421,500	$ 421,500	$ 3,487	$ 1,731	$ 56	1.81%	3.33%
$ 416,700	$ 416,700	$ 3,421	$ 1,685	$ 424,900	$ 424,900	$ 3,515	$ 1,745	$ 59	1.97%	3.49%
$ 473,700	$ 473,700	$ 3,889	$ 1,915	$ 488,900	$ 488,900	$ 4,044	$ 2,007	$ 92	3.21%	4.81%
$ 524,100	$ 524,100	$ 4,352	$ 2,143	$ 536,900	$ 536,900	$ 4,518	$ 2,242	$ 98	2.44%	4.57%
$ 520,800	$ 520,800	$ 4,318	$ 2,127	$ 571,300	$ 571,300	$ 4,873	$ 2,419	$ 292	9.70%	13.73%
$ 521,500	$ 521,500	$ 4,325	$ 2,130	$ 526,700	$ 526,700	$ 4,413	$ 2,190	$ 60	1.00%	2.80%
$ 556,500	$ 556,500	$ 4,684	$ 2,307	$ 538,300	$ 538,300	$ 4,532	$ 2,250	$ (58)	-3.27%	-2.53%
$ 584,400	$ 584,400	$ 4,971	$ 2,448	$ 565,300	$ 565,300	$ 4,811	$ 2,388	$ (61)	-3.27%	-2.50%
$ 583,600	$ 583,600	$ 4,962	$ 2,444	$ 690,400	$ 690,400	$ 6,105	$ 3,030	$ 587	18.30%	24.02%
$ 606,800	$ 606,800	$ 5,200	$ 2,561	$ 578,500	$ 578,500	$ 4,948	$ 2,456	$ (106)	-4.66%	-4.12%
$ 667,600	$ 667,600	$ 5,824	$ 2,868	$ 674,300	$ 674,300	$ 5,939	$ 2,947	$ 80	1.00%	2.79%

* Median Market Value home was $346,700 for pay 2023 and $350,100 for pay 2024

2023 Commercial Value	2023 Tax Capacity Based Only)	2023 City Portion of Taxes	2024 Commercial Value	2024 Tax Capacity Based Only)	2024 City Portion of Taxes	City Portion Tax Increase over 2023	Commercial Value Increase	City Portion Tax % Increase
$ 967,100	$ 10,052	$ 4,951	$ 1,270,500	$ 13,436	$ 6,668	$ 1,718	31.37%	34.70%
$ 3,035,400	$ 32,418	$ 15,966	$ 4,342,600	$ 46,913	$ 23,283	$ 7,317	43.07%	45.83%
$ 4,513,000	$ 48,396	$ 23,835	$ 5,202,500	$ 56,283	$ 27,934	$ 4,099	15.28%	17.20%
$ 4,443,300	$ 47,643	$ 23,464	$ 5,107,600	$ 55,249	$ 27,421	$ 3,957	14.95%	16.86%
$ 9,400,000	$ 101,242	$ 49,861	$ 10,391,300	$ 112,826	$ 55,996	$ 6,135	10.55%	12.30%
$ 7,954,600	$ 85,612	$ 42,164	$ 12,953,400	$ 140,745	$ 69,853	$ 27,688	62.84%	65.67%
$ 17,630,500	$ 190,242	$ 93,694	$ 26,205,200	$ 285,150	$ 141,523	$ 47,828	48.64%	51.05%

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Create a positive image for residential neighborhoods, business districts and key corridors.

Information

Title:

Adopt Resolution #23-215 Approving Abatement Proceedings and Further Administrative Court Action for Removal of a Hazardous Building located at 15740 Ramsey Blvd.

Purpose/Background:

The property located at 15740 Ramsey Blvd. NW has been subject to 19 Code Violation cases and 11 Police calls regarding the deteriorating conditions of the property since the current property owners took ownership in 2009. Since 2009, the property has deteriorated to the point that in 2020, the Ramsey Building Official determined the structure to be hazardous and unfit for human occupancy, at which point, Ramsey City Council authorized the immediate securing of the home. Section 113 of the International Property Maintenance Code states that the Code Official shall order the removal or demolition of structures that have become so out of repair that they have become dangerous. Since 2022, staff have received seven calls or complaints regarding the status of the home and concern for the surrounding neighborhood. Since 2022, staff has attempted to work with the property owner and owners agent to bring the property into compliance as they had stated they would like to keep the home as is. The property owner's agent has made several attempts to repair the home, with limited or no success. Since July, the property owner provided a written statement advising they would reroof, reside, and rewindow the front of the home as a start to compliance. Although the removal of the old windows, roof, and some siding has occurred, the structure is now in far worse condition, no longer weather-tight, and open to trespassers and the elements. The property owner was advised that permits needed to be pulled for all work. The property owner's agent attempted to obtain permits themself, however, they were declined based on a Minnesota state law requiring licensed contractors for properties bought for speculation. The property owners agent was advised by staff that they should hire an outside contractor to complete the repairs if the intention was to keep the property, which they have failed to do.

The continued deterioration and lack of maintenance of the home has brought the home into further disrepair and created a greater public nuisance which now requires action by staff to abate.

Notification:

Notification was provided by Certified Mail, Posting on Structure, Email, and Standard Mail.

Time Frame/Observations/Alternatives:

Staff would like to proceed with securing the home immediately following authorization and continue with legal proceedings to remove the structure within the timeframe allowed by Minnesota State Law.

Funding Source:

Costs of the boarding and abatement are assessed to the owner's property taxes in a manner prescribed in State Law.

Recommendation:

Staff recommends authorization to secure the hazardous building and proceed with legal actions to remove hazardous structure, well, and septic from the property in accordance with all applicable State Laws.

Outcome/Action:

Motion to Adopt Resolution #23-215 Approving Abatement Proceedings and Further Administrative Court Action for Removal of a Hazardous Building located at 15740 Ramsey Blvd.

Attachments

Resolution #23-215

Letter Certified Mailed and Posted

Photos of Property

Police Call List

Copy of Resolution #20-260 From Securing of Home in 2020

2020 Notice of Abatement Mailed

MN State Stature Chapter 463

Power Point PDF

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 12:48 PM
Form Started By: Craig Swalchick		Started On: 09/07/2023 03:11 PM
Final Approval Date: 09/21/2023		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #23-215

RESOLUTION DECLARING 15740 RAMSEY BLVD A HAZARDOUS STRUCTURE AND APPROVING ABATEMENT AND CODE ENFORCEMENT ACTIONS RELATED TO REMOVAL OF STRUCTURE.

RECITALS

WHEREAS, Cynthia C. Lemke is the owner of the property at 15740 Ramsey Blvd. NW and legally described as:

> That part of the Southwest quarter of the Southwest quarter of Section 15, Township 32, Range 25, Anoka County, Minnesota, described as follows: Commencing at the Southwest corner of said quarter quarter, thence East along the South line thereof 393.9 feet to the centerline of CSAH No. 56, thence deflect 41 degrees 40 minutes 15 seconds left in a Northwesterly direction 202 feet, thence deflect 90 degrees right in a Northeasterly direction 137.04 feet, thence deflect 46 degrees 55 minutes 30 seconds right in an Easterly direction 272.05 feet, more or less, to said centerline, thence Southwesterly along said centerline 317.66 feet, more or less, to point of beginning, excluding road, subject to easements of record.
>
> (the 'Subject Property');

WHEREAS, The Subject Property has had the same owners since 2010; and

WHEREAS, The home on the Subject Property is abandoned and unoccupied; and

WHEREAS, The home has been subject to multiple complaints on the conditions; and

WHEREAS, Staff has attempted to work with property owner to bring home into compliance with all applicable codes and ordinances with limited action on the part of the home owner; and

WHEREAS, In 2020, the home on the Subject Property was deemed unfit for human occupancy by the City's Building Official due to lack of necessary utilities and services as well as the condition of the interior of the home; and

WHEREAS, The City Council approved the Code Enforcement Process and Abatement on November 10, 2020 and the property was boarded up; and

WHEREAS, Since 2020, property conditions have deteriorated; and

WHEREAS, The home on the Subject Property has been the site for trespassing and there

appear to have been fires lit inside the home, causing a threat and potential hazardous situation; and

WHEREAS, Minnesota Statute 463.251 allows the City to secure vacant buildings; and

WHEREAS, Minnesota Statute 463.151 allows the City to Remove Hazardous Buildings.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, that the following actions are hereby authorized:

A. Securing of the building by the City and its abatement contractors as allowed per Minnesota Statute 463.251;
B. Posting the home unfit for human occupancy by the City's Code Enforcement Official;
C. That the home on the Subject Property is in violation of the City's Nuisance Provisions (Chapter 30) and the International Property Maintenance Code;
D. That the City Attorney is directed without delay to obtain required legal approvals through the court system to remove the hazardous structure, septic system, and secure well in accordance with Minnesota State Law and restore land to natural turf; and
E. To approve assessment of cost to the property taxes of the owner provided for in State Law.

STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit

September 11, 2023

Cynthia C. Lemke
1311 County Rd. D Cir. E
St. Paul, MN. 55109

Abatement Notice of Hazardous Property Conditions

RE: Hazardous Home at 15740 Ramsey Blvd. Ramsey, MN. 55303 (PID#15-32-25-33-0002)

Dear Ms. Lemke,

The property you own located at **15740 Ramsey Blvd. NW, Ramsey, MN 55303** has become so deteriorated that it has become a hazard and is now deemed an unsafe structure. Over several years, the City has made attempts to work with you to bring the property up to compliance to no avail. Currently, the property sits missing a portion of the shingling, multiple windows and unsecured. There is significant interior and exterior damage, no power or running water, and appears that the roof may collapse over the garage. Multiple Administrative Citations have been issued, warnings posted and mailed, phone calls and emails exchanged, as well in person meetings with your designated partner, Steve Scherrer.

We have received multiple complaints as well as numerous police calls to the property for suspicious activity, trespassing, open door etc. with no corrective actions being completed. Although several attempts have been made, the property has become even more damaged and deteriorated.

On September 26th, 2023, at 7:00 P.M., Staff will present before City Council, a recommendation to approve proceeding with abatement action under Minnesota State Statute 463.16 to Remove Hazardous Building Conditions as ample time as been granted for you to make the appropriate repairs. Although you are not required to attend, this would be your opportunity to appeal this Enforcement Action.

If Council approves Abatement of the Hazardous Building, a lien may be placed on the property and all costs of the abatement and the proceedings will be assessed to the property according to Ramsey City Code and Minnesota State Statutes.

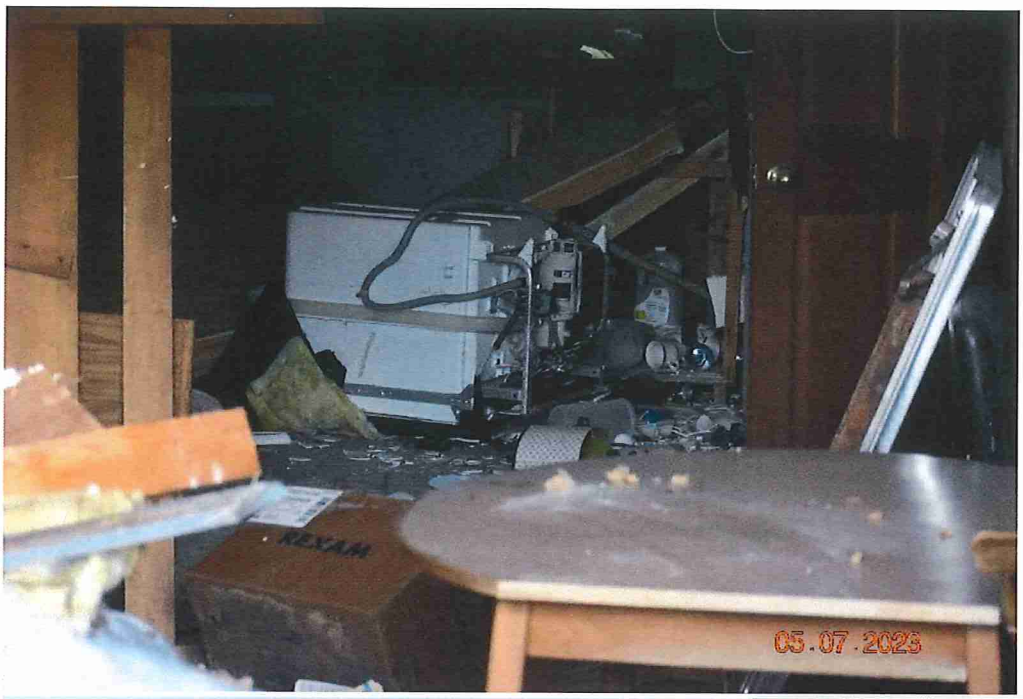
STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit

Attached below are several photos that have been taken as evidence of the conditions that will be presented:

STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit



STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit

If the property is brought into compliance or you have hired licensed contractors and they have applied for the appropriate permits to restore the home to habitable state prior to September 26th, the abatement action may be postponed.

If you have any further questions, I can be reached by email at cswalchick@cityoframsey.com or by telephone at 763-433-9840.

Cordially,

Craig Swalchick

Photo taken August 2023. This photo shows the attempted corrections by the property owner which have brought the property into a more deterioarted state.

Photo above taken in July 0f 2021. Shows the homes conditions deteriorating. Where Code Enforcement began conversations with property owner and owners agent on either repairing, selling or removing structure.

Photo taken June 2023, showing roof of garage collapsing.

Photos taken August 2022 from sidewalk in front of home through front window opening.

Photos Taken in October 2020 By Building Inspections Department

Incident #	Incident Start Date	Location	City	Offense
23108145	05/13/2023 07:26:05 PM	15740 RAMSEY BLVD NW	RAMSEY	OPENDR OPEN DOOR/GATE/WINDOW
22195670	09/02/2022 06:38:20 PM	15740 RAMSEY BLVD NW	RAMSEY	JUVENILE ACTIVITY/TRESPASSING
22170175	08/03/2022 02:05:08 PM	15740 RAMSEY BLVD NW	RAMSEY	OPENDR OPEN DOOR/GATE/WINDOW
22121890	06/08/2022 07:35:47 PM	15740 RAMSEY BLVD NW	RAMSEY	SUSPPERS SUSPICIOUS - PERSON
22112339	05/28/2022 07:47:24 PM	15740 RAMSEY BLVD NW	RAMSEY	SUSPPERS SUSPICIOUS - PERSON
22098612	05/12/2022 07:32:15 PM	15740 RAMSEY BLVD NW	RAMSEY	SUSPPERS SUSPICIOUS - PERSON
21282463	12/14/2021 11:10:24 AM	15740 RAMSEY BLVD NW	RAMSEY	BURGLARY/DAMAGE TO PROPERTY
21221150	09/30/2021 09:33:15 AM	15740 RAMSEY BLVD NW	RAMSEY	ASSIST - ABATEMENT
21115109	05/30/2021 03:37:39 PM	15740 RAMSEY BLVD NW	RAMSEY	SUSPACT SUSPICION - ALL OTHER ACTIVITY
21069232	04/03/2021 03:07:20 PM	15740 RAMSEY BLVD NW	RAMSEY	OPENDR OPEN DOOR/GATE/WINDOW
20247499	10/06/2020 10:00:34 AM	15740 RAMSEY BLVD NW	RAMSEY	OPENDR OPEN DOOR/GATE/WINDOW

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #20-260

RESOLUTION DECLARING 15740 RAMSEY BLVD NW A HAZARDOUS STRUCTURE AND APPROVING ABATEMENT AND CODE ENFORCEMENT ACTIONS RELATED TO STRUCTURE

RECITALS

1. The City of Ramsey has an open code enforcement case at 15740 Ramsey Blvd NW legally described as: THAT PRT OF SW1/4 OF SW1/4 OF SEC 15 TWP 32 RGE 25 DESC AS FOL: COM AT SW COR OF SD 1/4 1/4, TH E ALG S LINE THEREOF 393.9 FT TO C/L OF CSAH NO 56, TH DEFL 41 DEG 40 MIN 15 SEC LEFT IN NELY DIR ALG SD C/L 388.67 FT TO POB, TH DEFL 90 DEG LEFT IN NWLY DIR (the 'Subject Property').

2. The Police Department has attempted to contact the Property Owner as listed in Anoka County Property Records to remedy the situation.

3. The home on the Subject Property is abandoned and unoccupied.

4. The home on the Subject Property has been deemed unfit for human occupancy by the City's Building Official due to lack of necessary utilities and services, as well as the condition of the interior of the home.

5. The home on the Subject Property has been the site for trespassing and there appear to have been fires lit inside the home, causing a threat and potential hazardous situation.

6. Minnesota Statute 463.251 allows the City to secure vacant buildings.

7. The City Council approved the Code Enforcement Process and Abatement on November 10, 2020.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the Ramsey City Council hereby approves the following actions:

   a. Securing of the building by the City and its abatement contractors as allowed via Minnesota Statute 463.251.
   b. Posting the home unfit for human occupancy by the City's Building Official.

c. That the home on the Subject Property is in violation of the City's Nuisance Provisions (Chapter 30) and the International Property Maintenance Code.
d. That the City should send a first notice of violation related to the Code violations onsite, including Nuisance violations and International Property Maintenance Code violations.
    i. Staff should follow the typical process after the first notice of violation and send a subsequent abatement notice for the violations.
    ii. If the violations are not resolved, City Staff may work with the City Attorney to bring the issues to a Court setting to be resolved.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this 10th day of November, 2020.

_____
Mayor

ATTEST:

_____
City Clerk

EXHIBIT A: Minnesota Statute 463.251 Securing Vacant Buildings

The following terms have the meanings given them for the purposes of this section.

(a) "City" means a statutory or home rule charter city.

(b) "Neighborhood association" means an organization recognized by the city as representing a neighborhood within the city.

(c) "Secure" may include, but is not limited to, installing locks, repairing windows and doors, boarding windows and doors, posting "no-trespassing" signs, installing exterior lighting or motion-detecting lights, fencing the property, and installing a monitored alarm or other security system.

Subd. 2.Order; notice.

(a) If in any city a building becomes vacant or unoccupied and is deemed hazardous due to the fact that the building is open to trespass and has not been secured and the building could be made safe by securing the building, the governing body may order the building secured and shall cause notice of the order to be served upon the owner of record of the premises or the owner's agent, the taxpayer identified in the property tax records for that parcel, the holder of the mortgage or sheriff's certificate, and any neighborhood association for the neighborhood in which the building is located that has requested notice, by delivering or mailing a copy to the owner or agent, the identified taxpayer, the holder of the mortgage or sheriff's certificate, and the neighborhood association, at the last known address. Service by mail is complete upon mailing.

(b) The notice under this subdivision must include a statement that:

(1) informs the owner and the holder of any mortgage or sheriff's certificate of the requirements of subdivision 3 and that costs may be assessed against the property if the person does not secure the building;

(2) informs the owner and the holder of any mortgage or sheriff's certificate that the person may request a hearing before the governing body challenging the governing body's determination that the property is vacant or unoccupied and hazardous; and

(3) notifies the holder of any sheriff's certificate of the holder's duty under section 582.031, subdivision 1, paragraph (b), to enter the premises to protect the premises from waste and trespass if the order is not challenged or set aside and there is prima facie evidence of abandonment of the property as described in section 582.032, subdivision 7.

Subd. 3.Securing building by city; lien.

If the owner of the building or a holder of the sheriff's certificate of sale fails to either comply or provide to the governing body a reasonable plan and schedule to comply with an order issued

under subdivision 2 or to request a hearing on the order within six days after the order is served, the governing body shall cause the building to be properly secured and the cost of securing the building may be charged against the real estate as provided in section 463.21. In the metropolitan area, as defined in section 473.121, subdivision 2, the governing body may work with neighborhood associations to develop and implement plans to secure vacant buildings in a timely and cost-effective fashion. The city may use rehabilitation and revitalization funds in implementing this section.

Subd. 4.Emergency securing.

A city may provide by ordinance for emergency securing of a building that presents an immediate danger to the health and safety of persons in the community.

STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit

November 20, 2020

Cynthia Lemke
or Current Owner
1311 County Road D Cir E
St Paul, MN 55109

15740 Ramsey Blvd NW
Ramsey MN 55303

-NOTICE OF ABATEMENT

RE: Vacant Dwelling Violations on Anoka County PID #15-32-25-33-0002 (15740 Ramsey Blvd NW)

Dear Property Owner:

The City of Ramsey has adopted ordinances that are designed to keep the community safe, healthy and attractive. The City of Ramsey passed Resolution 20-260 declaring the home on the property at 15740 Ramsey Blvd NW vacant. The home on the property is unsafe and there have been calls and reports of people inside the building that do not reside onsite, and some fires appear to have been set inside the building. For the health and safety of the community and the public safety team, the City will be securing the building.

Under MN Statute 463.251 Securing Vacant Buildings and Chapter 30-7 Nuisances of the City Code, the City has the right to secure the vacant building. The City will hire a contractor to secure the building, including boarding up doors and windows, which will be completed on November 30, 2020, which is ten (10) days from the date of this letter.

Please contact me at (763) 433-9831 if you have any questions.

Sincerely,

CMcGuire

Chloe McGuire, Senior Planner
Ramsey Planning Department

CHAPTER 463

LINE EASEMENTS; HAZARDOUS OR SUBSTANDARD BUILDINGS

BUILDING LINE EASEMENTS

463.01 BUILDING LINES, EASEMENTS; EXISTING STRUCTURES.
463.02 GRANT, CONDEMNATION OR DEDICATION.
463.03 ALONG PARKS AND PARKWAYS.
463.04 CONDEMNATION PROCEEDINGS FOR BUILDING LINE EASEMENTS.
463.06 PLATS; ASSESSMENT COPY TO AUDITOR; COLLECTION, PAYMENT.
463.07 VACATION OF EASEMENT.

HAZARDOUS OR SUBSTANDARD BUILDINGS

463.15 DEFINITIONS.
463.151 REMOVAL BY MUNICIPALITY; CONSENT; COST.
463.152 EXERCISE OF EMINENT DOMAIN.
463.16 REPAIR OR REMOVE HAZARDOUS PROPERTY CONDITION.
463.161 ABATEMENT.
463.17 ORDER.
463.18 ANSWER.
463.19 DEFAULT CASES.
463.20 CONTESTED CASES.
463.21 ENFORCEMENT OF JUDGMENT.
463.22 STATEMENT OF MONEYS RECEIVED.
463.23 PAYMENT, TENDER, DEPOSIT IN COURT.
463.24 PERSONAL PROPERTY OR FIXTURES.
463.25 HAZARDOUS EXCAVATIONS.
463.251 SECURING VACANT BUILDINGS.
463.26 LOCAL ACTS AND CHARTER PROVISIONS.
463.261 RELOCATION BENEFITS.

BUILDING LINE EASEMENTS

463.01 BUILDING LINES, EASEMENTS; EXISTING STRUCTURES.

The council of any city, including any city of this state operating under a home rule charter adopted pursuant to the Constitution of the state of Minnesota, article 4, section 36, article XI, section 4, or article XII, section 5, may establish along any street or highway within such city a building line upon the land adjoining such street or highway, or any portion thereof, and distant not more than 50 feet from the margin of such street or highway, and may, in behalf of the city, acquire an easement in the land between such line and exterior street line, such that no buildings or structures shall be erected or maintained upon this land. Such easement shall be known as a building line easement. The governing body may, at the time they designate the easement to be acquired and define the line by which it is bounded, provide in the resolution designating such easement that buildings or structures or any portions of buildings or structures existing within the boundaries of the easement at that time may remain thereon for stated periods of time or remain thereon during the life of such buildings or structures or portions thereof, but no alteration of any such buildings or structures or portions thereof upon such easement shall be permitted after the designation of such easements, and when such buildings are removed no other buildings or structures shall be erected thereon. Such permission to maintain existing structures upon such easement shall be clearly defined as to time in such resolution and shall confer the right upon the owner of such buildings or structures or portions thereof to maintain the same as defined in such resolution.

History: *(1321-1) 1903 c 194 s 1; 1923 c 193 s 1; 1997 c 7 art 4 s 5*

463.02 GRANT, CONDEMNATION OR DEDICATION.

Such easement may be acquired by the council by purchase, by grant, or by condemnation. It may also be created by dedication by indicating such building line upon any plat hereafter recorded in the office of the county recorder of the county where the land lies; and the council shall have power to refuse to accept or approve plats of lands unless building lines are shown thereon.

History: *(1321-2) 1903 c 194 s 2; 1919 c 504 s 1; 1976 c 181 s 2*

463.03 ALONG PARKS AND PARKWAYS.

Any board of park commissioners having control of any park or parkway may in like manner acquire building line easements along the same, or any portion thereof.

History: *(1321-3) 1903 c 194 s 3*

463.04 CONDEMNATION PROCEEDINGS FOR BUILDING LINE EASEMENTS.

The easement specified in section 463.03 may be acquired by proceedings to be conducted in accordance with chapter 117 by the board of park commissioners, in case of parks and parkways controlled by a board of park commissioners, and by the city council in other cases.

The term "governing body" is used in sections 463.04 to 463.07 to designate the appropriate body in any given case, whether the city council, or board of park commissioners. The governing body shall first designate the easement to be acquired and define the lines by which it is bounded, and shall have power to condemn for the use of the public a building line easement as defined above, and when such condemnation shall have been completed, as in this section provided, the title to such easement shall pass to and be vested in the city for the public use. For the purpose of making the condemnation all the tracts of land required for any improvement may be included in the same proceeding.

An easement under this section must not include or take in any portion of a private residence existing at the time of the passage of sections 463.01 to 463.07 excepting by purchase or grant.

History: *(1321-4) 1903 c 194 s 4; 1976 c 44 s 64; 2013 c 125 art 1 s 70*

463.05 [Repealed, 1976 c 44 s 70]

463.06 PLATS; ASSESSMENT COPY TO AUDITOR; COLLECTION, PAYMENT.

As soon as such condemnation proceedings have been completed, it shall be the duty of such governing body to cause plats of such improvement to be made, which shall be copies of the original plat on file, with a list of the parcels of land taken and the amount paid on account of each parcel, and to file one of such plats and list duly certified by the president of the governing body and the clerk or secretary, as the case may be, in each of the following offices: The office of the city engineer, the office of the county recorder of the county, and the office of the city clerk or secretary of the park board, as the case may be; and the same shall be prima facie evidence of the full and complete condemnation and appropriation of such easement for the public use. As soon as the assessments are confirmed, the secretary of the board of park commissioners or the city clerk, or the court administrator of the district court, as the case may be, shall transmit a copy thereof duly certified, to the county auditor of the county in which the lands lie. The county auditor shall include the same in the next general tax list for the collection of state, county and city taxes, against the several tracts or parcels of land, and the assessments shall be collected with and as a part of, and shall be subject to the same penalties, costs and interest, as the general taxes. Such assessments shall be set down in the tax books in an appropriate column to be headed, "Building Line Assessments," and when collected a separate account thereof shall be kept by the county auditor, and the same shall be transmitted to the treasurer of the city, and placed to the credit of the proper fund.

History: *(1321-6) 1903 c 194 s 6; 1919 c 504 s 8; 1976 c 181 s 2; 1Sp1986 c 3 art 1 s 82*

463.07 VACATION OF EASEMENT.

The governing body shall have power at any time to vacate such building line easement or any portion thereof.

History: *(1321-7) 1903 c 194 s 7*

463.08 [Repealed, 1949 c 119 s 110]

463.09 [Repealed, 1976 c 44 s 70]

463.10 [Repealed, 1976 c 44 s 70]

463.11 [Repealed, 1976 c 44 s 70]

463.12 [Repealed, 1976 c 44 s 70]

463.13 [Repealed, 1976 c 44 s 70]

HAZARDOUS OR SUBSTANDARD BUILDINGS

463.15 DEFINITIONS.

Subdivision 1. **Coverage.** For purposes of sections 463.15 to 463.26 the terms defined in this section have the meanings given them.

Subd. 2. **Building.** "Building" includes any structure or part of a structure.

Subd. 3. **Hazardous building or hazardous property.** "Hazardous building or hazardous property" means any building or property, which because of inadequate maintenance, dilapidation, physical damage, unsanitary condition, or abandonment, constitutes a fire hazard or a hazard to public safety or health.

Subd. 3a. **Municipality.** "Municipality" means a county, city, or town.

Subd. 4. **Owner, owner of record, and lienholder of record.** "Owner," "owner of record," and "lienholder of record" means a person having a right or interest in property described in subdivision 3 and evidence of which is recorded in the office of the county recorder or registrar of titles in the county in which the property is situated.

History: *1965 c 393 s 1; 1967 c 324 s 1; 1976 c 181 s 2; 1989 c 328 art 6 s 5,6; 2004 c 147 s 1; 2005 c 4 s 113*

463.151 REMOVAL BY MUNICIPALITY; CONSENT; COST.

The governing body of any municipality may remove or raze any hazardous building or remove or correct any hazardous condition of real estate upon obtaining the consent in writing of all owners of record, occupying tenants, and all lienholders of record; the cost shall be charged against the real estate as provided in section 463.21, except the governing body may provide that the cost so assessed may be paid in not to exceed five equal annual installments with interest thereon, at eight percent per annum.

History: *1967 c 324 s 2; 1974 c 341 s 1; 2004 c 147 s 2*

463.152 EXERCISE OF EMINENT DOMAIN.

Subdivision 1. **Purpose, public interest.** In order to maintain a sufficient supply of adequate, safe, and sanitary housing and buildings used for living, commercial, industrial, or other purposes or any combination of purposes, it is found that the public interest requires that municipalities be authorized to acquire buildings, real estate on which buildings are located, or vacant or undeveloped real estate which are found to be hazardous within the meaning of section 463.15, subdivision 3, and the acquisition of such buildings and real estate is hereby declared to be a public purpose.

Subd. 2. **Acquisition; procedure.** In furtherance of the public policy declared in subdivision 1, the governing body of any municipality may acquire any hazardous building, real estate on which any such building is located, or vacant or undeveloped real estate by eminent domain in the manner provided by chapter 117.

History: *1974 c 341 s 3; 1976 c 2 s 140; 2004 c 147 s 3*

463.16 REPAIR OR REMOVE HAZARDOUS PROPERTY CONDITION.

The governing body of any municipality may order the owner of any hazardous building or property within the municipality to correct or remove the hazardous condition of the building or property or to raze or remove the building.

History: *1965 c 393 s 2; 1973 c 123 art 5 s 7; 1989 c 328 art 6 s 7; 2004 c 147 s 4*

463.161 ABATEMENT.

In the manner prescribed in section 463.21 the governing body of any municipality may correct or remove the hazardous condition of any hazardous building or property; the cost of which shall be charged against the real estate as provided in section 463.21 except the governing body may provide that the cost so assessed may be paid in not to exceed five equal annual installments with interest therein, at eight percent per annum.

History: *1974 c 341 s 2; 1989 c 328 art 6 s 8; 2004 c 147 s 5*

463.17 ORDER.

Subdivision 1. **Contents.** The order shall be in writing; recite the grounds therefor; specify the necessary repairs, if any, and provide a reasonable time for compliance; and shall state that a motion for summary enforcement of the order will be made to the district court of the county in which the hazardous building or property is situated unless corrective action is taken, or unless an answer is filed within the time specified in section 463.18.

Subd. 2. **Service.** The order shall be served upon the owner of record, or the owner's agent if an agent is in charge of the building or property, and upon the occupying tenant, if there is one, and upon all lienholders of record, in the manner provided for service of a summons in a civil action. If the owner cannot be found, the order shall be served upon the owner by posting it at the main entrance to the building or, if there is no building, in a conspicuous place on the property, and by four weeks' publication in the official newspaper of the municipality if it has one, otherwise in a legal newspaper in the county.

Subd. 3. **Filing.** A copy of the order with proof of service shall be filed with the court administrator of district court of the county in which the hazardous building or property is located not less than five days prior to the filing of a motion pursuant to section 463.19 to enforce the order. At the time of filing such order the municipality shall file for record with the county recorder or registrar of titles a notice of the pendency

of the proceeding, describing with reasonable certainty the lands affected and the nature of the order. If the proceeding be abandoned the municipality shall within ten days thereafter file with the county recorder a notice to that effect.

History: *1965 c 393 s 3; 1976 c 181 s 2; 1986 c 444; 1Sp1986 c 3 art 1 s 82; 1989 c 328 art 6 s 9*

463.18 ANSWER.

Within 20 days from the date of service, any person upon whom the order is served may serve an answer in the manner provided for the service of an answer in a civil action, specifically denying such facts in the order as are in dispute.

History: *1965 c 393 s 4*

463.19 DEFAULT CASES.

If no answer is served, the governing body may move the court for the enforcement of the order. If such a motion is made the court may, upon the presentation of such evidence as it may require, affirm or modify the order and enter judgment accordingly, fixing a time after which the governing body may proceed with the enforcement of the order. The court administrator shall cause a copy of the judgment to be mailed forthwith to persons upon whom the original order was served.

History: *1965 c 393 s 5; 1Sp1986 c 3 art 1 s 82*

463.20 CONTESTED CASES.

If an answer is filed and served as provided in section 463.18, further proceedings in the action shall be governed by the Rules of Civil Procedure for the District Courts, except that the action has priority over all pending civil actions and shall be tried forthwith. If the order is sustained following the trial, the court shall enter judgment and shall fix a time after which the building must be destroyed or repaired or the hazardous condition removed or corrected, as the case may be, in compliance with the order as originally filed or modified by the court. If the order is not sustained, it shall be annulled and set aside. The court administrator of the court shall cause a copy of the judgment to be mailed forthwith to the persons upon whom the original order was served.

History: *1965 c 393 s 6; 1Sp1986 c 3 art 1 s 82; 1989 c 328 art 6 s 10*

463.21 ENFORCEMENT OF JUDGMENT.

If a judgment is not complied with in the time prescribed, the governing body may cause the building to be repaired, razed, or removed or the hazardous condition to be removed or corrected as set forth in the judgment, or acquire the building, if any, and real estate on which the building or hazardous condition is located by eminent domain as provided in section 463.152. The cost of the repairs, razing, correction, or removal may be: a lien against the real estate on which the building is located or the hazardous condition exists, or recovered by obtaining a judgment against the owner of the real estate on which the building is located or the hazardous condition exists. A lien may be levied and collected only as a special assessment in the manner provided by Minnesota Statutes 1961, sections 429.061 to 429.081, but the assessment is payable in a single installment. When the building is razed or removed by the municipality, the governing body may sell the salvage and valuable materials at public auction upon three days' posted notice.

History: *1965 c 393 s 7; 1974 c 341 s 4; 1989 c 328 art 3 s 3*

463.22 STATEMENT OF MONEYS RECEIVED.

The municipality shall keep an accurate account of the expenses incurred in carrying out the order and of all other expenses theretofore incurred in connection with its enforcement, including specifically, but not exclusively, filing fees, service fees, publication fees, attorney's fees, appraisers' fees, witness fees, including expert witness fees, and traveling expenses incurred by the municipality from the time the order was originally made, and shall credit thereon the amount, if any, received from the sale of the salvage, or building or structure, and shall report its action under the order, with a statement of moneys received and expenses incurred to the court for approval and allowance. Thereupon the court shall examine, correct, if necessary, and allow the expense account, and, if the amount received from the sale of the salvage, or of the building or structure, does not equal or exceed the amount of expenses as allowed, the court shall by its judgment certify the deficiency in the amount so allowed to the municipal clerk for collection. The owner or other party in interest shall pay the same, without penalty added thereon, and in default of payment by October 1, the clerk shall certify the amount of the expense to the county auditor for entry on the tax lists of the county as a special charge against the real estate on which the building or hazardous condition is or was situated and the same shall be collected in the same manner as other taxes and the amount so collected shall be paid into the municipal treasury. If the amount received for the sale of the salvage or of the building or structure exceeds the expense incurred by the municipality as allowed by the court, and if there are no delinquent taxes, the court shall direct the payment of the surplus to the owner or the payment of the same into court, as provided in sections 463.15 to 463.26. If there are delinquent taxes against the property, the court shall direct the payment of the surplus to the county treasurer to be applied on such taxes.

History: *1965 c 393 s 8; 1974 c 329 s 1; 1989 c 328 art 6 s 11*

463.23 PAYMENT, TENDER, DEPOSIT IN COURT.

The net proceeds of a sale under section 463.21 or 463.24 shall be paid to persons designated in the judgment in the proportions as their interests shall appear therein. Acceptance of such payment shall be taken as a waiver of all objections to the payment and to the proceedings leading thereto on the part of the payee and of all persons for whom the payee is lawfully empowered to act. In case any party to whom a payment of damages is made be not a resident of the state, or the place of residence be unknown, or the party be an infant or other person under legal disability, or, being legally capable, refuses to accept payment, or if for any reason it be doubtful to whom any payment should be paid, the municipality may pay the same to the clerk, to be paid out under the direction of the court; and, unless an appeal be taken such deposit with the clerk shall be deemed a payment of the award.

History: *1965 c 393 s 9; 1986 c 444*

463.24 PERSONAL PROPERTY OR FIXTURES.

If any building ordered razed, removed, or made safe and sanitary by repairs contains personal property or fixtures which will unreasonably interfere with the razing, removal, or repair of such building, or if the razing or removal of the building makes necessary the removal of such personal property or fixtures, the original order of the governing body may direct the removal of such personal property or fixtures within a reasonable time. If the property or fixtures are not removed by the time specified, and the governing body subsequently desires to enforce a judgment under sections 463.15 to 463.26, it may sell the same at public auction as provided in section 463.21, or if without appreciable value, the governing body may destroy the same.

History: *1965 c 393 s 10*

463.25 HAZARDOUS EXCAVATIONS.

If in any municipality, an excavation for building purposes is left open for more than six months without proceeding with the erection of a building thereon, whether or not completed, or if any excavation or basement is not filled to grade or otherwise protected after a building is destroyed, demolished or removed, the governing body may order such excavation to be filled or protected or in the alternative that erection of a building begin forthwith if the excavation is for building purposes. The order shall be served upon the owner or the owner's agent in the manner provided by section 463.17. If the owner of the land fails to comply with the order within 15 days after the order is served, the governing body shall cause the excavation to be filled to grade or protected and the cost shall be charged against the real estate as provided in section 463.21.

History: *1965 c 393 s 11; 1973 c 123 art 5 s 7; 1986 c 444; 2004 c 147 s 6*

463.251 SECURING VACANT BUILDINGS.

Subdivision 1. **Definitions.** The following terms have the meanings given them for the purposes of this section.

(a) "City" means a statutory or home rule charter city.

(b) "Neighborhood association" means an organization recognized by the city as representing a neighborhood within the city.

(c) "Secure" may include, but is not limited to, installing locks, repairing windows and doors, boarding windows and doors, posting "no-trespassing" signs, installing exterior lighting or motion-detecting lights, fencing the property, and installing a monitored alarm or other security system.

Subd. 2. **Order; notice.** (a) If in any city a building becomes vacant or unoccupied and is deemed hazardous due to the fact that the building is open to trespass and has not been secured and the building could be made safe by securing the building, the governing body may order the building secured and shall cause notice of the order to be served upon the owner of record of the premises or the owner's agent, the taxpayer identified in the property tax records for that parcel, the holder of the mortgage or sheriff's certificate, and any neighborhood association for the neighborhood in which the building is located that has requested notice, by delivering or mailing a copy to the owner or agent, the identified taxpayer, the holder of the mortgage or sheriff's certificate, and the neighborhood association, at the last known address. Service by mail is complete upon mailing.

(b) The notice under this subdivision must include a statement that:

(1) informs the owner and the holder of any mortgage or sheriff's certificate of the requirements of subdivision 3 and that costs may be assessed against the property if the person does not secure the building;

(2) informs the owner and the holder of any mortgage or sheriff's certificate that the person may request a hearing before the governing body challenging the governing body's determination that the property is vacant or unoccupied and hazardous; and

(3) notifies the holder of any sheriff's certificate of the holder's duty under section 582.031, subdivision 1, paragraph (b), to enter the premises to protect the premises from waste and trespass if the order is not challenged or set aside and there is prima facie evidence of abandonment of the property as described in section 582.032, subdivision 7.

Subd. 3. **Securing building by city; lien.** If the owner of the building or a holder of the sheriff's certificate of sale fails to either comply or provide to the governing body a reasonable plan and schedule to comply

with an order issued under subdivision 2 or to request a hearing on the order within six days after the order is served, the governing body shall cause the building to be properly secured and the cost of securing the building may be charged against the real estate as provided in section 463.21. In the metropolitan area, as defined in section 473.121, subdivision 2, the governing body may work with neighborhood associations to develop and implement plans to secure vacant buildings in a timely and cost-effective fashion. The city may use rehabilitation and revitalization funds in implementing this section.

Subd. 4. **Emergency securing.** A city may provide by ordinance for emergency securing of a building that presents an immediate danger to the health and safety of persons in the community.

History: *1973 c 123 art 5 s 7; 1973 c 520 s 1; 1986 c 444; 1996 c 286 s 1; 2009 c 123 s 1,2; 2010 c 375 s 8*

463.26 LOCAL ACTS AND CHARTER PROVISIONS.

Sections 463.15 to 463.26 are supplementary to other statutory and charter provisions and do not limit the authority of any city to enact and enforce ordinances on the same subject.

History: *1965 c 393 s 12; 1973 c 123 art 5 s 7*

463.261 RELOCATION BENEFITS.

Notwithstanding the provisions of section 117.56, or any other law to the contrary, all acquisitions of buildings and real estate upon which buildings are located by governmental subdivisions pursuant to the exercise of the power of eminent domain as provided in section 463.152 shall be acquisitions for the purposes of sections 117.50 to 117.56.

History: *1974 c 341 s 5; 1976 c 2 s 141*

Declaring 15740 Ramsey Blvd. A Hazardous Structure and further code Enforcement Actions relating to removal of structure.

City Council Meeting
September 26, 2023

City of RAMSEY

Background

The current property owner purchased the property in 2010.

Since 2010, there have been 11 Police Calls and 19 Code Violation Cases.

Some police calls involved trespassing, with evidence of fires being set.

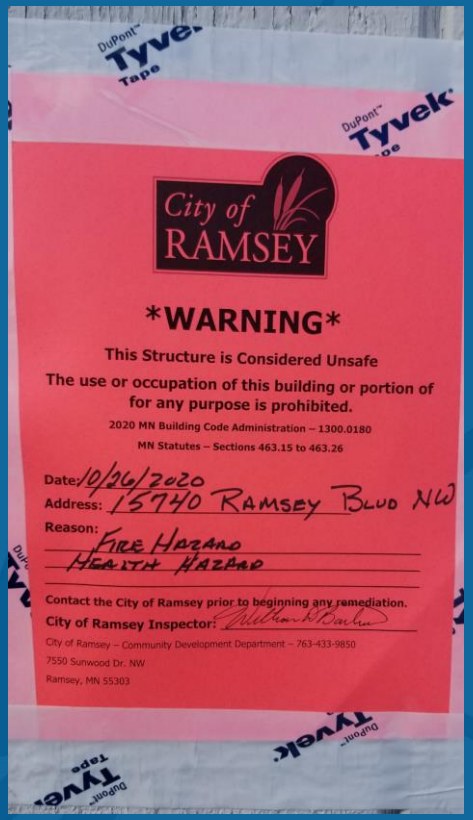
Background Continued

- The property has not been maintained and continues to fall into disrepair.
- In 2020, The City determined the building was hazardous and authorized securing of the vacant home.
- Continued deterioration, trespassing and neighbor complaints

Background Continued

- Since July Staff has gone through exhaustive efforts to attempt resolution that would bring the home into a livable state, starting with the most visible and complained upon exterior with no resolution.
- Staff has provided multiple violation notices with appeal options with no luck at compliance.
- Property has advised they want the property and want to bring it into compliance, but the property has been brought into a far worse condition.

2020 Hazardous Building Posting by City

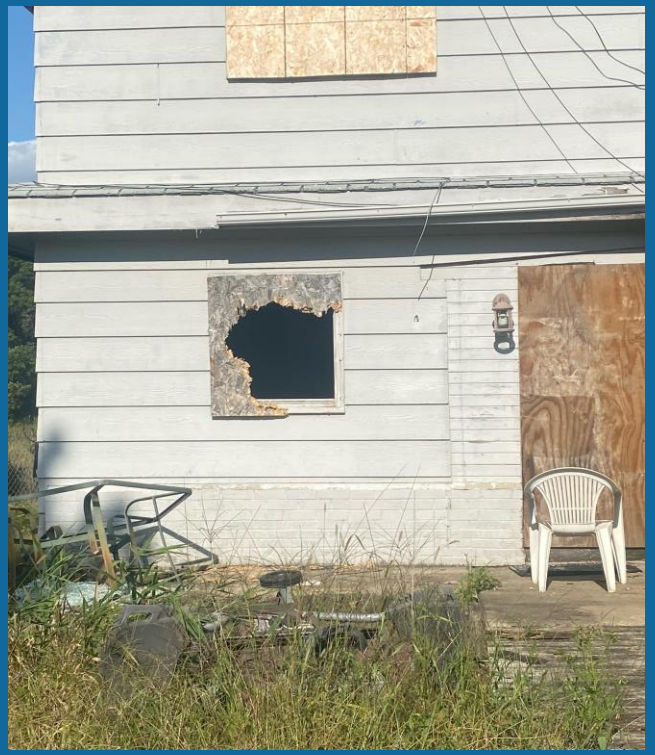


2020 Inspection Photos

Inspection September 2021

Damaged Garage Door

Illegal Entry Evidence after board up by City



COMMUNICATION

6 Code Violation Notices

3 Administrative Citations, two voided due to owners agents health at the time, and one as the agent agreed on a time frame extension noted in exibit.

1 Hazardous Building Designation in 2020

Over 30 Calls and Emails

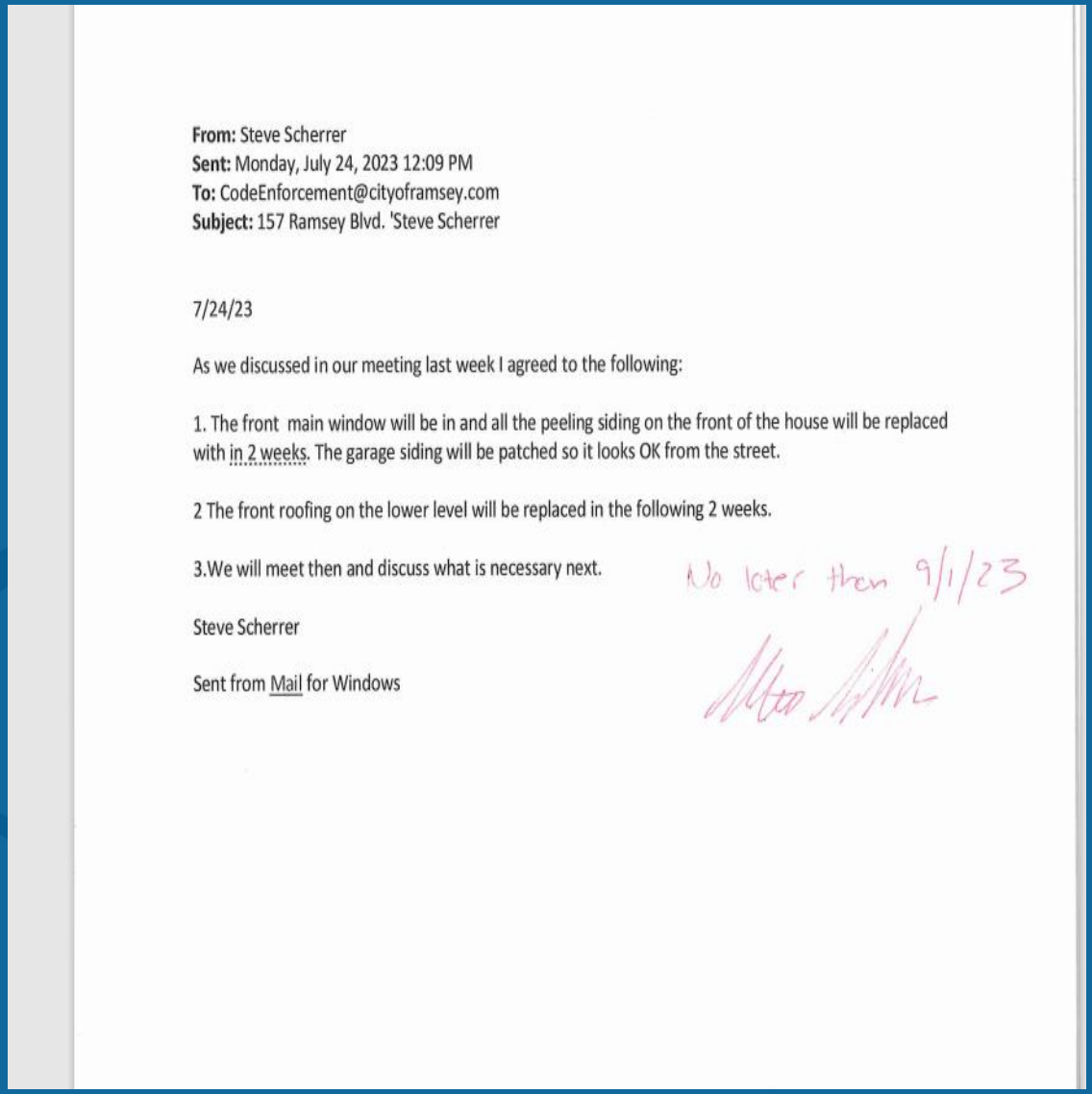
Three visits to City Hall

4 Formal Appeal Notices provided

One formal meeting regarding requirements.

Provided email and signed when in office. Limited work was done.

No Appeal Request on any violation or citation although provided appeal in notice.



From: Steve Scherrer
Sent: Monday, July 24, 2023 12:09 PM
To: CodeEnforcement@cityoframsey.com
Subject: 157 Ramsey Blvd. 'Steve Scherrer

7/24/23

As we discussed in our meeting last week I agreed to the following:

1. The front main window will be in and all the peeling siding on the front of the house will be replaced with in 2 weeks. The garage siding will be patched so it looks OK from the street.

2 The front roofing on the lower level will be replaced in the following 2 weeks.

3.We will meet then and discuss what is necessary next. No later then 9/1/23

Steve Scherrer

Sent from Mail for Windows

July of 2023 Inspection

Property still in disrepair with no significant actions being taken.

Roof still bowed as if collapse was eminent.

Garage door was covered with and

July 2023

Interior photos taken from front sidewalk leading to main door.

September 2023

Inspection of property shows more deterioration and areas dismantled in a limited attempt to make repairs.

RECOMMENDATION:

Approval of Resolution #23-215 Declaring 15740 A Hazardous Structure and Approving Abatement and Code Enforcement Actions Related To Removal of Structure.

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Identify and implement operational efficiencies, cost savings and additional funding sources.

Information

Title:

Adopt Ordinance #23-08 to Amend Chapter 4 of the Charter - Nominations and Elections

Purpose/Background:

Background: Council previously considered Ordinance #23-07 to amend sections 4.5.4 and 4.5.6 of the Charter. That ordinance did not pass. On May 9, 2023, Council discussed language that would be acceptable to update sections 4.5.4 and 4.5.6. The Charter Commission met on July 19, 2023 to review options to update those two sections and ultimately approved proposing the language in Ordinance #23-08, which mirrors language supported by the City Council at the May 9, 2023 work session.

Purpose:

The purpose of this case is to vote on the proposed amendments to the Charter in Ordinance #23-08. The recommended changes are to amend Chapter 4 of the City Charter sections 4.5.4 and 4.5.6. The changes proposed allow the option to appoint a successor in the case of a vacancy until a successor is elected or with less than 365 days left in the term. In order for the appointment to be approved, it must receive unanimous support from all current Councilmembers.

Within one month of receiving a recommendation to amend the charter by ordinance, the city must publish notice of a public hearing of the proposal. The city must hold the public hearing on the proposed charter amendment at least two weeks, but not more than one month after the notice is published. Within one month of the public hearing, the city council must vote on the proposed charter amendment ordinance. To pass, the vote must be unanimous, including approval by the mayor.

Notification:

The City Council received the recommendation from the Charter Commission on August 22, 2023. The Public Hearing was held on September 12, 2023.

Time Frame/Observations/Alternatives:

Per State Statute 410.12 Subd. 7., the Council must vote on the proposed charter amendment within one month of the public hearing.

Funding Source:

N/A

Recommendation:

Staff recommends adopting Ordinance #23-08.

Outcome/Action:

Motion to waive the City Charter Requirement that the Ordinance be read aloud and adopt Ordinance #23-08 Amending Chapter 4 of the City Charter - Nominations and Elections.

Roll Call Vote:
Councilmember Specht
Councilmember Woestehoff
Councilmember Riley
Councilmember Musgrove
Councilmember Howell
Councilmember Olson
Mayor Kuzma

Attachments

Ordinance #23-08

Minnesota Statute 410.12

Ordinance #23-07 - Failed

5-9-23 WS Minutes

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:14 AM
Form Started By: Katie Schmidt		Started On: 09/19/2023 01:12 PM
Final Approval Date: 09/21/2023		

ORDINANCE #23-08

CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

AN ORDINANCE AMENDING THE CITY CHARTER OF THE CITY OF RAMSEY, MINNESOTA CHAPTER 4 – ELECTIONS AND NOMINATIONS

The City of Ramsey ordains:

SECTION 1. AUTHORITY

This Ordinance is adopted pursuant to the authority of the City Charter of the City of Ramsey and such authority as it is given under Minnesota Statutes Section 410.12, subdivision 7.

SECTION 2. AMENDMENT TO CHAPTER 4 OF THE CITY CHARTER

The Section 4 of the City of Ramsey Charter is amended to read as follows (additions indicated by underline, deletions indicated by strikethrough):

"Sec. 4.5 – Vacancy of municipal elected office.

4.5.4 ~~In the case of a vacancy where there remains less than 365 days in the unexpired term, the council shall, by a majority vote, appoint a successor to serve for the remainder of said term. In the case of a tie vote of the council, the mayor, or acting mayor if the office of mayor be vacant, shall make the appointment from the candidates involved in the tie vote.~~

If a special election has been called to fill a vacancy in an elected office of the city, and no candidates filed an affidavit of candidacy prior to the expiration of the period for filing an affidavit of candidacy, the special election shall be cancelled. In the event that such a cancellation occurs the council may, by unanimous vote of all current members of the city council, appoint a successor to serve until a successor elected at a special election held pursuant to this section is qualified. If a subsequent attempt to hold a special election would occur in the fourth year of the vacant term, no special election would be held. The council may appoint a successor according to Sec. 4.5.6 of this chapter.

4.5.6 ~~If there are insufficient numbers of candidates in a regular or special election to fill expiring or vacated municipal offices, the city council shall fill said offices by appointment until the next regular municipal election. In the case of a tie vote of the council, the mayor shall make said appointment from the candidates under consideration."~~

In the case of a vacancy where there remains less than 365 days in the unexpired term, the council may, by unanimous vote of all current members of the city council, appoint a successor to serve for the remainder of said term."

SECTION 3. SUMMARY

The following official summary of Ordinance #23-08 has been approved by the City Council of the City of Ramsey as clearly informing the public of the intent and effect of the Ordinance. "Ordinance #23-08 amends Chapter 4 – Elections and Nominations of the Ramsey City Charter."

SECTION 4. EFFECTIVE DATE

This ordinance becomes effective 90 days after its passage and publication as provided by Minnesota Statutes Section 410.12, Subdivision 7, as may be modified by any action undertaken pursuant to City of Ramsey Charter Section 5.

PASSED by the City Council of the City of Ramsey, Minnesota, the ____ day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

410.12 AMENDMENTS.

Subdivision 1. **Proposals.** The charter commission may propose amendments to such charter and shall do so upon the petition of voters equal in number to five percent of the total votes cast at the last previous state general election in the city. Proposed charter amendments must be submitted at least 17 weeks before the general election. Only registered voters are eligible to sign the petition. All petitions circulated with respect to a charter amendment shall be uniform in character and shall have attached thereto the text of the proposed amendment in full; except that in the case of a proposed amendment containing more than 1,000 words, a true and correct copy of the same may be filed with the city clerk, and the petition shall then contain a summary of not less than 50 nor more than 300 words setting forth in substance the nature of the proposed amendment. Such summary shall contain a statement of the objects and purposes of the amendment proposed and an outline of any proposed new scheme or frame work of government and shall be sufficient to inform the signers of the petition as to what change in government is sought to be accomplished by the amendment. The summary, together with a copy of the proposed amendment, shall first be submitted to the charter commission for its approval as to form and substance. The commission shall within ten days after such submission to it, return the same to the proposers of the amendment with such modifications in statement as it may deem necessary in order that the summary may fairly comply with the requirements above set forth.

Subd. 1a. **Alternative methods of charter amendment.** A home rule charter may be amended only by following one of the alternative methods of amendment provided in subdivisions 1 to 7.

Subd. 2. **Petitions.** The signatures to such petition need not all be appended to one paper, but to each separate petition there shall be attached an affidavit of the circulator thereof as provided by this section. A petition must contain each petitioner's signature in ink or indelible pencil and must indicate after the signature the place of residence by street and number, or other description sufficient to identify the place. There shall appear on each petition the names and addresses of five electors of the city, and on each paper the names and addresses of the same five electors, who, as a committee of the petitioners, shall be regarded as responsible for the circulation and filing of the petition. The affidavit attached to each petition shall be as follows:

State of .....)

) ss.

County of .....)

.... being duly sworn, deposes and says that the affiant, and the affiant only, personally circulated the foregoing paper, that all the signatures appended thereto were made in the affiant's presence, and that the affiant believes them to be the genuine signatures of the persons whose names they purport to be.

Signed .....

(Signature of Circulator)

Subscribed and sworn to before me

this ..... day of ....

Notary Public (or other officer)

authorized to administer oaths

The foregoing affidavit shall be strictly construed and any affiant convicted of swearing falsely as regards any particular thereof shall be punishable in accordance with existing law.

Subd. 3. **May be assembled as one petition.** All petition papers for a proposed amendment shall be assembled and filed with the charter commission as one instrument. Within ten days after such petition is transmitted to the city council, the city clerk shall determine whether each paper of the petition is properly attested and whether the petition is signed by a sufficient number of voters. The city clerk shall declare any petition paper entirely invalid which is not attested by the circulator thereof as required in this section. Upon completing an examination of the petition, the city clerk shall certify the result of the examination to the council. If the city clerk shall certify that the petition is insufficient the city clerk shall set forth in a certificate the particulars in which it is defective and shall at once notify the committee of the petitioners of the findings. A petition may be amended at any time within ten days after the making of a certificate of insufficiency by the city clerk, by filing a supplementary petition upon additional papers signed and filed as provided in case of an original petition. The city clerk shall within five days after such amendment is filed, make examination of the amended petition, and if the certificate shall show the petition still to be insufficient, the city clerk shall file it in the city clerk's office and notify the committee of the petitioners of the findings and no further action shall be had on such insufficient petition. The finding of the insufficiency of a petition shall not prejudice the filing of a new petition for the same purpose.

Subd. 4. **Election.** Amendments shall be submitted to the qualified voters at a general or special election and published as in the case of the original charter. The form of the ballot shall be fixed by the governing body. The statement of the question on the ballot shall be sufficient to identify the amendment clearly and to distinguish the question from every other question on the ballot at the same time. If 51 percent of the votes cast on any amendment are in favor of its adoption, copies of the amendment and certificates shall be filed, as in the case of the original charter and the amendment shall take effect in 30 days from the date of the election or at such other time as is fixed in the amendment.

Subd. 5. **Amendments proposed by council.** The council of any city having a home rule charter may propose charter amendments to the voters by ordinance. Any ordinance proposing such an amendment shall be submitted to the charter commission. Within 60 days thereafter, the charter commission shall review the proposed amendment but before the expiration of such period the commission may extend the time for review for an additional 90 days by filing with the city clerk its resolution determining that an additional time for review is needed. After reviewing the proposed amendment, the charter commission shall approve or reject the proposed amendment or suggest a substitute amendment. The commission shall promptly notify the council of the action taken. On notification of the charter commission's action, the council may submit to the people, in the same manner as provided in subdivision 4, the amendment originally proposed by it or the substitute amendment proposed by the charter commission. The amendment shall become effective only when approved by the voters as provided in subdivision 4. If so approved it shall be filed in the same manner as other amendments. Nothing in this subdivision precludes the charter commission from proposing charter amendments in the manner provided by subdivision 1.

Subd. 6. **Amendments, cities of the fourth class.** The council of a city of the fourth class having a home rule charter may propose charter amendments by ordinance without submission to the charter commission. Such ordinance, if enacted, shall be adopted by at least a four-fifths vote of all its members after a public hearing upon two weeks' published notice containing the text of the proposed amendment and shall be approved by the mayor and published as in the case of other ordinances. The council shall submit the proposed amendment to the people in the manner provided in subdivision 4, but not sooner than three months after the passage of the ordinance. The amendment becomes effective only when approved by the voters as provided in subdivision 4. If so approved, it shall be filed in the same manner as other amendments.

Subd. 7. **Amendment by ordinance.** Upon recommendation of the charter commission the city council may enact a charter amendment by ordinance. Within one month of receiving a recommendation to amend the charter by ordinance, the city must publish notice of a public hearing on the proposal and the notice must contain the text of the proposed amendment. The city council must hold the public hearing on the proposed charter amendment at least two weeks but not more than one month after the notice is published. Within one month of the public hearing, the city council must vote on the proposed charter amendment ordinance. The ordinance is enacted if it receives an affirmative vote of all members of the city council and is approved by the mayor and published as in the case of other ordinances. An ordinance amending a city charter shall not become effective until 90 days after passage and publication or at such later date as is fixed in the ordinance. Within 60 days after passage and publication of such an ordinance, a petition requesting a referendum on the ordinance may be filed with the city clerk. The petition must be signed by registered voters equal in number to at least five percent of the registered voters in the city or 2,000, whichever is less. If the requisite petition is filed within the prescribed period, the ordinance shall not become effective until it is approved by the voters as in the case of charter amendments submitted by the charter commission, the council, or by petition of the voters, except that the council may submit the ordinance at any general or special election held at least 60 days after submission of the petition, or it may reconsider its action in adopting the ordinance. As far as practicable the requirements of subdivisions 1 to 3 apply to petitions submitted under this section, to an ordinance amending a charter, and to the filing of such ordinance when approved by the voters.

History: *(1286) RL s 756; 1907 c 199 s 1; 1911 c 343 s 1; 1939 c 292 s 1; 1943 c 227 s 1; 1949 c 122 s 1; 1959 c 305 s 3,4; 1961 c 608 s 5,6; 1969 c 1027 s 3; 1973 c 503 s 1-4; 1986 c 444; 1998 c 254 art 1 s 107; 1999 c 132 s 42; 2005 c 93 s 1; 2008 c 331 s 7; 2010 c 184 s 43*

ORDINANCE #23-07

CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

AN ORDINANCE AMENDING THE CITY CHARTER OF THE CITY OF RAMSEY, MINNESOTA CHAPTER 4 – ELECTIONS AND NOMINATIONS

The City of Ramsey ordains:

SECTION 1. AUTHORITY

This Ordinance is adopted pursuant to the authority of the City Charter of the City of Ramsey and such authority as it is given under Minnesota Statutes Section 410.12, subdivision 7.

SECTION 2.

The Section 4 of the City of Ramsey Charter is amended to read as follows (additions indicated by underline, deletions indicated by strikethrough):

"Sec. 4.5 – Vacancy of municipal elected office.

4.5.4 In the event ~~case~~ of a vacancy ~~where there remains less than 365 days in the unexpired term~~ in an elected office of the city, the council shall, by a majority vote, appoint a successor to serve the balance of ~~for~~ the unexpired ~~remainder of said~~ term or until a successor elected at a special election held pursuant to this section is qualified. In the case of a tie vote of the council, the mayor, or acting mayor if the office of mayor be vacant, shall make the appointment from the candidates involved in the tie vote.

4.5.6 If a special election has been called to fill a vacancy in an elected office of the city, and no candidates filed an affidavit of candidacy prior to the expiration of the period for filing an affidavit of candidacy, the special election shall be cancelled. In the event that such a cancellation occurs ~~there are insufficient numbers of candidates in a regular or special election to fill expiring or vacated municipal offices~~, the individual appointed by the city council to fill said vacancy under this section shall serve the balance of the unexpired term or until a successor elected at a special election held pursuant to this section is qualified. ~~fill said offices by appointment until the next regular municipal election. In the case of a tie vote of the council, the mayor shall make said appointment from the candidates under consideration.~~ In the event that such a cancellation occurs, a special election to fill the balance of the unexpired term shall be held on the same date as the next regular municipal election, unless the next regular municipal election would be in the fourth year of the term."

SECTION 3. SUMMARY

The following official summary of Ordinance #23-07 has been approved by the City Council of the City of Ramsey as clearly informing the public of the intent and effect of the Ordinance.

Ordinance #23-07 amends Chapter 4 – Elections and Nominations of the Ramsey City Charter.

SECTION 4. EFFECTIVE DATE

This ordinance becomes effective 90 days after its passage and publication as provided by Minnesota Statutes Section 410.12, Subdivision 7, as may be modified by any action undertaken pursuant to City of Ramsey Charter Section 5.

PASSED by the City Council of the City of Ramsey, Minnesota, the ____ day of April, 2023.

_____
Mayor

ATTEST:

_____
City Clerk

CITY COUNCIL WORK SESSION
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey City Council conducted a City Council Work Session on Tuesday, May 9, 2023, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Mayor Mark Kuzma
Councilmember Chelsee Howell
Councilmember Debra Musgrove
Councilmember Michael Olson
Councilmember Chris Riley
Councilmember Dan Specht
Councilmember Matt Woestehoff

Also Present: City Administrator Brian Hagen
City Clerk Katie Schmidt
Community Development Director Stephanie Hanson
City Planner Brian McCann
Administrative Services Director Colleen Lasher
Planning Manager Todd Larson
City Attorney Fritz Knaak

1. CALL TO ORDER

Mayor Kuzma called the City Council Work Session to order at 5:30 p.m.

2. TOPICS FOR DISCUSSION

2.01: Discuss Recommendation to the Charter Commission regarding Chapter 4 - Nominations and Elections section 4.5.4 and 4.5.6

City Clerk Schmidt reviewed the Staff report and the recommendations from the Charter Commission regarding Chapter 4 of the Charter that was recently updated. She reviewed the four options for updating section 4.5.4 and 4.5.6 of the Charter.

Councilmember Musgrove asked for more information regarding the thought process behind option #3 of switching 4.5.4 and 4.5.6.

City Administrator Hagen explained that option #3 moves things around to make it flow better.

Councilmember Musgrove asked if these were switched around why 4.5.6 would be needed.

City Administrator Hagen stated that 4.5.6 establishes what happens when a vacancy happens with less than a year left in the term.

Councilmember Musgrove added that they had previously talked about the timeframe of this and if it was less than a year and could still be many months before the next election.

City Clerk Schmidt stated that if they move up the special election it could shorten the timeframe.

Councilmember Musgrove shared that she liked option #3 without the second part.

Councilmember Woestehoff stated that in option #2 where there is no timeframe around the appointment process, this does not particularly state if someone gets appointed if there would still be a special election after this. He asked if someone is appointed to a term that has three years left if there would still be a special election as soon as the dates align.

City Administrator Hagen said that was correct.

Councilmember Woestehoff asked if the longest timeframe for this could be a few months.

City Clerk Schmidt said yes.

Councilmember Specht stated that option #3 is likely to be the closest to what they are looking for but would not want 4.5.6 in the Charter.

City Administrator Hagen stated that the Charter is silent if a vacancy occurs with less than a year left in the term.

Councilmember Musgrove asked if this speaks to this in option 4.5.4.

City Administrator Hagen said no and explained that 4.5.4 is just a carry on from what has already been approved with what was recently adopted in 4.5.1, stating that in the event of a vacancy of an elected office occurs with less than 365 days remaining in the term it will go to a special election. He stated that 4.5.2 refers to when the elected official will start immediately and 4.5.3 refers to the procedure to hold the election. He explained that 4.5.4 is a carry on of these prior sections and discusses what happens when they attempt to hold a special election and no one signs up and rather than restarting a seven to nine month process, it gives Council the opportunity to appoint until a successful special election can be held. He stated that 4.5.4 discusses what would happen if they have attempted to hold three special elections.

Councilmember Specht noted that if it is less than a year they can leave the vacancy open until the next general election.

Councilmember Woestehoff asked if this has to be a majority vote or if they could ask the Charter Commission to make it a unanimous vote.

City Attorney Knaak stated that they could do this; however, it would add difficulty.

Councilmember Woestehoff shared that this would be a good middle ground for this.

Councilmember Specht stated that he understands the need for this in extreme cases. He mentioned that this would give the appointed individual an advantage in future elections if they are already serving in the seat.

Councilmember Musgrove asked which section the change to make this unanimous would go.

Councilmember Woestehoff said it could go anywhere. He stated that the timing does not bother him because at most it would be nine months, whether it is a three year term that is remaining or a one year term. He added that he is indifferent to whether this deals with terms with more than 365 days or less than 365 days.

Councilmember Musgrove stated that she is okay with it open and allowing it to go to the vote.

Mayor Kuzma stated that if they cannot all agree then this will just remain open.

Councilmember Musgrove asked for clarification that they are looking at option #3 and changing this to unanimous.

Councilmember Woestehoff stated that 4.5.6 would still be needed.

City Administrator Hagen added that they would also want to build in a unanimous vote by Council in both 4.5.4 and 4.5.6.

Councilmember Howell asked if this would eliminate the option for the Mayor to appoint someone.

City Administrator Hagen said yes and that there would be no tie breaker vote at that point. He asked if the unanimous vote would be from all current Councilmembers or just those present at the meeting.

Councilmember Howell stated that she would like for it to be all current members.

Councilmember Musgrove asked if this would include a member that had stepped down.

City Administrator Hagen said no.

There was a consensus of the Council.

2.02: Discuss Filling a Vacancy on the Environmental Policy Board

Administrative Services Director Lasher reviewed the Staff report in regard to deciding which of the three remaining candidates from the last recruitment should be appointed to the partial term on the Environmental Policy Board.

Mayor Kuzma asked who was the liaison on the EPB.

Councilmember Howell stated that she was. She noted that the candidate that stood out to her during the interviews was Michael as he showed lots of initiative.

Councilmember Woestehoff stated that all three of the candidates were good. He commented that Megan put EPB as a second choice and shared the importance of her having a desire to serve on that particular Board.

Councilmember Howell noted that when Megan interviewed she did not know what any of the Boards were.

Councilmember Musgrove shared support for appointing Michael.

Councilmember Olson stated that he also supported Michael.

The consensus of the Council was to appoint Michael Heifner.

2.03: Review the Findings of the 2023 All-staff Employee Survey

Administrative Services Director Lasher reviewed the Staff report concerning the all-Staff survey. She noted that the Labor Management Committee will meet at the end of the month to formulate a work plan. She reviewed the results of the survey.

Councilmember Howell asked if the questions about employee benefits were broken down at all into smaller categories, such as life insurance or health insurance.

Administrative Services Director Lasher stated that this is addressed. She said that people are mostly commenting on the health insurance. She explained that the City does not fund higher than single level plans in full, which makes the plans expensive. She added that there are also high deductibles. She stated that other comments made in regard to benefits were about offering short term disability, paid family leave, and others.

Councilmember Musgrove asked if this was the first year under the new insurance, as she remembered that they had recently switched.

Administrative Services Director Lasher noted that they are under rate caps right now with Health Partners that go through 2024. She explained that the plan design has not changed as they have always been on a high deductible plan.

Councilmember Musgrove discussed question #11 concerning the strategic plan. She added that this question may not be as valuable to Staff as the strategic plan mainly deals with managers and them passing work down to employees. She also discussed uniforms and the budget for this.

Administrative Services Director Lasher commented that this is a negotiated item through a contract and is a competitive and rich benefit.

Councilmember Musgrove noted the question on training and how some answered that they feel as though they did not have enough training.

Councilmember Riley acknowledged that the survey is anonymous' however, he asked if they are able to see which answers come from the same individual.

Administrative Services Director Lasher said yes. She noted that the information provided to the Council is all Staff responses pooled together. She stated that the report can be run by groups as well.

Mayor Kuzma stated that the survey has been good overall.

Administrative Services Director Lasher stated that the average of strongly agree and agree answers was 70.66%.

Councilmember Woestehoff shared that he looked at all results that were in the strongly agree and agree categories and there were only eight questions that fall below the 70% threshold. He stated that it is important to talk about those items. He noted that there were three questions that had low results dealing with Council. He stated that these results are disappointing and wants to solve some of these issues.

Councilmember Specht stated that it seems like there is a downward trend for whether or not employees would recommend a job at the City to someone they know, which is down from 96% in 2016. He asked if this was something to be concerned about.

City Administrator Hagen agreed that this is a sizable decrease from one survey to the next. He stated that this survey was done in house and they can do more targeted survey questions to drill down and get more information on some of the lower scoring areas.

Councilmember Musgrove asked if there could be more feedback on items such as training, which scored low on the survey. She added that when she was first elected to the Council she was directed to not get involved with employees. She stated that now it seems as though there is a different trend and a push to get to know the Staff. She added that there are opportunities for Staff and Council engagement.

Councilmember Woestehoff stated that he assumes that all teams are aware of all training opportunities, but based on some of the feedback he asked if they do not have the capacity and time for these training opportunities.

Administrative Services Director Lasher said this was possible. She added that they can drill down on this. She explained that the City's personnel policy states that the Council will set a training budget and stated that they can get more information on this. She acknowledged that time may be a big factor in this as well.

Councilmember Riley asked what the next step was in this process.

Administrative Services Director Lasher stated that she has a list of ideas of things to work on and will be grouping these things based on different categories. She added that she will also meet with the Labor Management Committee and come up with a work plan. She noted that she also wanted to hear recommendations from the Council on what to work on.

City Administrator Hagen stated that he looks at this from a budget perspective and explained that if the Council starts noticing training budgets increase then it will be as a direct result of the feedback that was received from Staff.

Mayor Kuzma said that there are contracts set for health insurance for the next two years. He asked how this could affect things.

Administrative Services Director Lasher explained that the labor contracts go through December 31, 2024 so there is not anything that can be done with these very easily. She noted that the City's contribution is also set; however, if the Labor Management Committee or the Council decide that they need to take a harder look at different plan options they can do this.

Councilmember Musgrove asked if there will be negotiations starting next year.

Administrative Services Director Lasher stated that they will start negotiations early 2024.

Councilmember Howell asked when they look at training and all of the information is anonymous, how is the training pinpointed so that the efforts go to where they actually need to be.

Administrative Services Director Lasher explained that this is where employee communication with their supervisor or department head will come into play.

Councilmember Woestehoff asked if there has been a compensation study done recently.

Administrative Services Director Lasher said no. She stated that a compensation study could cost around $100,000. She noted that the Police Department has been very stressed with being understaffed and there are some cities in the area doing hiring bonuses. She added that the Police Department pay is competitive for similar sized cities; however, a lot of the compensation comments came from non-management police and fire.

Councilmember Woestehoff suggested that some research can be done this year even though the union contracts are through 2024.

Councilmember Musgrove added that she thinks that the employees would rather have the money go to their salary rather than spending $100,000 on a compensation study. She suggested finding this data another way to aid with next year's discussions. She pointed out that under the water and utility category, the uniform budget is at 125%, whereas the training is at 9.64%. She stated that this may need to be looked at to reallocate training funds.

Administrative Services Director Lasher said that they can look into this.

City Administrator Hagen stated that a better gauge for this would be looking at past year budgets.

There was a consensus of the Council

2.04: Temporary Increase of Hours to Planning Administrative Assistant

City Administrator Hagen reviewed the Staff report and shared that City Planner McCann has turned in his resignation. He shared the request for the Council to temporarily authorize the increase of the Planning Administrative Assistant hours to 29 hours per week. He added that they plan to have the City Planner position posted by the end of the week.

Councilmember Musgrove wished City Planner McCann well. She shared her support for this plan.

There was a consensus of the Council.

2.05: Discuss Home Occupation Permits

City Planner McCann reviewed the Staff report concerning Home Occupation Permits and potential code revisions.

Mayor Kuzma asked if there was a team that will be working on this and coming up with recommendations.

City Planner McCann stated that they are looking for Council direction.

Councilmember Musgrove shared that for having businesses in townhomes, most covenants do not allow them.

Councilmember Riley asked if they were suggesting that the City should deny these permits based on the fact that there is potentially a covenant.

Councilmember Musgrove stated that even if the City gives the permit, the covenant board can still penalize the individual. She said this would be a waste of time for the City. She suggested that the applicant first check their covenant documents to determine if it would even be allowed.

City Administrator Hagen added that Staff does make these suggestions and the applicants do not even realize that they need to look into these things. He stated that the direction from Council that they are looking for is whether or not they would want to allow these things if there were not covenants or HOAs that restricted them.

Councilmember Howell stated that the City should allow for opportunities for everyone and the applicant would then have to work things out with their HOA. She stated that she would hate to see a low impact business in an accessory building go away.

Mayor Kuzma stated that in the scenario where there is manufacturing and trucks coming and going it can become more disruptive and would be considered a commercial operation.

Councilmember Woestehoff asked about commercial building codes and if there are triggers that force commercial rather than a building permit.

Planning Manager Larson stated that it is the way that plans are labeled and when they are labeled with rooms such as offices and conference rooms, those are not residential uses.

Councilmember Howell stated the size of the property should be taken into consideration rather than just pigeonholing and not allowing certain things. She said she likes the idea of being more flexible and working with people.

Councilmember Specht agreed that he would like this to be more flexible, especially for low impact practices. He asked if, based on these new standards, an individual wanted to open a gun shop.

City Planner McCann explained that this would depend on how it was formatted in the revisions.

Councilmember Specht asked if all Home Occupation Permits come to Council.

City Planner McCann said yes. He stated that there used to be an administrator permit and if there was an interest to bring this back, these permits would not go to Council.

Councilmember Howell stated that level 1 is low impact and would like to see it stay that way. She noted that in the zoning code draft, it contained firearm sales and repair as not allowed uses.

Planning Manager Larson said that they can take the sales and manufacturing portion out of the current draft and just leave the ammunition manufacturing.

Councilmember Woestehoff asked about the not allowed uses in other cities. He stated that Ramsey is rather liberal with what is allowed. He added that this is worth reviewing.

Councilmember Specht said that it would depend on how the scope of the work is defined. He stated that he is in favor of allowing firearm sales and repair.

Councilmember Howell asked what is allowed currently on residential properties as far as body shops and machine shops.

Planning Manager Larson stated that this is currently not allowed as it is related to an internal combustion engine. He noted that there are some State regulations that go along with auto repair shops.

City Administrator Hagen shared that they focused on the fact that home occupations are supposed to be low impact to the neighborhood. He asked if there was an appetite to limit the square footage that an applicant can operate out of.

Councilmember Woestehoff said he likes this perspective. He asked how the square footage of a home occupation such as a bed and breakfast would be calculated.

City Administrator Hagen clarified that this would focus on using an accessory building for the home occupation.

Councilmember Howell asked what it is to the City how someone uses their property if the use is compatible with not disrupting people and remains safe.

Mayor Kuzma added that this is why things would come back to Council to discuss.

Councilmember Woestehoff noted that if it is not a restricted use then there is potentially no recourse to say no. He emphasized the importance of outlining what is or is not allowed.

Planning Manager Larson stated that other cities treat these as interim uses where there is a timeframe for these permits, with the intent of getting the business up and running from your home and then moving it to a commercial or industrial space.

Councilmember Musgrove asked if the building code guides an accessory building.

City Administrator Hagen stated that building code only addresses the mention of construction.

Councilmember Specht agreed that the size does not matter as much as the activity.

City Administrator Hagen stated that they will work on these updates to be brought back to Council.

There was a consensus of the Council.

3. TOPICS FOR FUTURE DISCUSSION

3.01: Review Future Topics/ Calendar

Noted.

4. MAYOR / COUNCIL / STAFF INPUT

None.

5. ADJOURNMENT

The Work Session of the City Council was adjourned at 6:55 p.m.

Respectfully submitted,

_____

Brian S. Hagen

City Administrator

ATTEST:

_____
Katie M. Schmidt
City Clerk

Drafted by Ava Rokosz
TimeSaver Off Site Secretarial, Inc.

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Promote economic growth and development.

Information

Title

Adopt Resolution #23-223 approving the Haviland Fields EAW, Findings of Fact, and Record of Decision.
- **Please Note:** this case was moved from the Consent Agenda - Case 5.18 - to the regular agenda - Case 7.4.

Purpose/Background:

As part of the proposed Haviland Fields multi-family and townhome development on excess land at Lord of Life Church (14501 Nowthen Blvd. NW), an Environmental Assessment Worksheet (EAW) is required. An EAW is a required planning tool for larger projects that is used to assess the environmental impacts of the project. In a suburban setting, these impacts are generally related to traffic, but they also look at natural resources like vegetation, wildlife, and waterbodies. The developer takes the information gathered in the EAW and prepares more detailed plans for a typical city development review process accordingly. Approval of an EAW is an acknowledgement by the City Council that the analysis reviewed all of the required components properly and provided any mitigation plan (if needed)--it is not an approval of the project nor does it provide any standing for future approval steps. Alternatively, the City Council could find that the impacts noted are great enough to warrant a more in-depth review called an Environmental Impact Statement (EIS).

The typical process of sending out a "draft" EAW for public review is to gather input from residents as well as a list of required State agencies to make sure the analysis covered the required topics and that the analysis did not miss anything. Comments were received after the 30-day review period from some of the State agencies and some residents noting questions and providing input on the document. Those comments and questions were reviewed and applicable updates were made to the "final" EAW (attached). A list of those letters and written responses are provided.

The EAW did note increased traffic in the area as a result of the project, though it noted that the existing area roadway system has the capacity to support the proposed development. It also noted the removal of several trees, though this activity is not prohibited (the City's tree planting and replacement rules will be reviewed with the development plans in the future). It also noted that the site included wetlands which could be the home of the Blanding's turtle, a threatened species in Minnesota, and will require construction techniques to safeguard the turtle.

A comment from the Metropolitan Council noted that this project, if approved, would put the City's overall density back into compliance with their Housing Policy Plan and Livable Communities Act.

Some of the comments received were from neighbors dissatisfied with the project in general. Though the comments are not directed towards the EAW, they are included nonetheless.

For the project to move forward, a development application will need to be made. This application will include a Comprehensive Plan Amendment for the increased density, rezoning from the current R-1 MUSA-80/R-2/R-3 configuration to either a PUD or a mix of R-2/R-3/and a Public/Quasi-Public district, plat, and site plan review. This summer, the City Council denied a request for TIF assistance on the project. The developer is working on alternative financing strategies for the project and will determine if they want to make the development application (the EAW process was already in motion when the financing request was made).

Notification:

Public notification for the availability of the EAW was noticed in the Environmental Quality Board's *EQB Monitor* on August 1, 2023. A press release (attached) was provided to local media per State rules. City staff mailed a copy of the press release to properties within 700 feet (the same distance used for plat notification since the project will eventually include a plat). A social media blast was also conducted on the City's pages.

A web page on the City's website was created to share the draft EAW with the public (https://www.ci.ramsey.mn.us/989/Haviland-Fields). A paper copy was placed in the City Hall lobby as well.

Observations/Alternatives:

Alternatives to Consider:

1. Approve the EAW, Findings of Fact, and Record of Decision as presented.
2. Find that the EAW was not sufficient and order an Environmental Impact Statement. Specific items of concern must be noted.
3. Continue the EAW to a future meeting to modify certain sections or responses to comments.

Note: Denial of the EAW is not a valid option for this type of request.

Funding Source:

All costs associated with the EAW preparation and review are the responsibility of the developer, Presbyterian Homes (Senior Housing Partners).

Recommendation:

Staff recommends approval of the Haviland Fields EAW, Findings of Fact, and Record of Decision.

Action:

Motion to adopt Resolution #23-223 approving the Haviland Fields EAW, Findings of Fact, and Record of Decision.

Attachments

EAW Document

Resolution #23-223

Exhibit A: Findings of Fact and Record of Decision

Press Release

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:07 AM
Form Started By: Todd Larson		Started On: 09/14/2023 10:41 AM
Final Approval Date: 09/27/2023		

Haviland Fields

Environmental Assessment Worksheet

September 2023

Prepared For:

SENIOR HOUSING PARTNERS

BKV GROUP

Prepared by:

Kimley»Horn

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December 2022 Version

Environmental Assessment Worksheet

This most recent Environmental Assessment Worksheet (EAW) form and guidance documents are available at the Environmental Quality Board's (EQB's) website at: https://www.eqb.state.mn.us. The EAW form provides information about a project that may have the potential for significant environmental effects. Guidance documents provide additional detail and links to resources for completing the EAW form.

Cumulative potential effects can either be addressed under each applicable EAW Item or can be addressed collectively under EAW Item 21.

Note to reviewers: Comments must be submitted to the RGU during the 30-day comment period following notice of the EAW in the *EQB Monitor*. Comments should address the accuracy and completeness of information, potential impacts that warrant further investigation, and the need for an EIS.

1. Project Title

Haviland Fields

2. Proposer

Proposer: Senior Housing Partners
Contact Person: Sam Jagodzinski
Title: Development Manager
Address: 2823 Hamline Avenue N
City, State, ZIP: Roseville, MN 55113
Phone: 651.383.5689
Email: sjagodzinski@seniorpartners.com

3. RGU

RGU: City of Ramsey
Contact Person: Todd Larson
Title: Community Development
Address: 7550 Sunwood Drive NW
City, State, ZIP: Ramsey, MN 55303
Phone: (763) 433-9821
Email: tlarson@cityoframsey.com

4. Reason for EAW Preparation

Check one:

Required:	Discretionary:
☐EIS Scoping	☐Citizen petition
☒Mandatory EAW	☐RGU discretion
	☐Proposer initiated

If EAW or EIS is mandatory, give EQB rule category subpart number(s) and name(s):
Minnesota Rules, part 4410.4300, subpart 19: Residential development

5. Project Location

County: Anoka
City/Township: Ramsey
PLS Location (¼, ¼, Section, Township, Range): SE ¼, NW ¼, Section 25, Township 32N, Range 25W
Watershed (81 major watershed scale): Rum River
GPS Coordinates: 45.235108, -93.402587
Tax Parcel Number: 253225240059
At a minimum, attach each of the following to the EAW:

- **County map showing the general location of the project** (see Figure 1)
- **US Geological Survey 7.5 minute, 1:24,000 scale map indicating project boundaries** (see Figure 2)
- **Site plans showing all significant project and natural features. Pre-construction site plan and post-construction site plan** (see Figure 3 and Appendix A)

6. Project Description

a. Provide the brief project summary to be published in the *EQB Monitor* (approximately 50 words).

The Haviland Fields project is a proposed development that is anticipated to consist of 22 townhomes and three multifamily residential buildings located between MN Highway 47 (St. Francis Blvd NW) and County Rd 5 (Nowthen Blvd NW) in Ramsey, Anoka County, Minnesota. The 35.5-acre site consists of existing institutional use and two residential properties. The two existing residential buildings will be demolished.

b. Give a complete description of the proposed project and related new construction, including infrastructure needs. If the project is an expansion, include a description of the existing facility. Emphasize 1) construction and operation methods and features that will cause physical manipulation of the environment or will produce wastes; 2) modifications to existing equipment or industrial processes; 3) significant demolition, removal, or remodeling of existing structures; and 4) timing and duration of construction activities.

Senior Housing Partners is proposing to redevelop an approximately 35.5-acre site. See Figure 1 and Figure 2 for the project location and Figure 3 for the existing site conditions.

There are two existing residential buildings on site that would be demolished. The redevelopment would include the following:

- **Townhouse Units:** 22 townhouse units on the northern portion of the site for a total of approximately 33,000 square feet and 40 parking spaces.
- **Three Multifamily Residential Buildings:** Three residential buildings with 476 multifamily units totaling approximately 113,529 square feet of gross residential area and 579 parking spaces.
- **Institutional Building:** The existing institutional (church) building will remain in place.

The development will also include stormwater management areas throughout the site and preserved green space. Utilities will be extended to the townhomes and the multifamily residential buildings, including sanitary sewer, water, and electrical. Construction is anticipated to begin in Spring 2024 and be completed in multiple phases over the next three to four years.

c. Project magnitude

Table 1: Project Magnitude

Measure	Magnitude
Total Project Acreage	35.5 acres
Number and Type of Residential Units	22 townhome units, 476 multifamily units
Residential Building Area (square feet)	514,076 sq ft
Institutional Building Area (square feet)	86,038 sq ft (existing church)
Other Uses - Impervious Surface (square feet)	310,703 sq ft
Other Uses – Green Space (square feet)	1,002,000 sq ft of green space
Structure Height(s)	30 -55 ft for the multifamily buildings

d. Explain the project purpose. If the project will be carried out by a governmental unit, explain the need for the project and identify its beneficiaries.

The project is a private development proposed to develop the existing institutional and undeveloped parcel with two residential units into a residential development in order to provide multifamily housing to address the housing needs in Ramsey.

e. Are future stages of this development, including development on any other property, planned or likely to happen? ☐ Yes ☒ No

If yes, briefly describe future stages, relationship to present project, timeline, and plans for environmental review.

Not applicable.

f. Is this project a subsequent stage of an earlier project? ☐ Yes ☒ No

If yes, briefly describe the past development, timeline, and past environmental review.

Not applicable.

7. Climate Adaption and Resilience

a. Describe the climate trends in the general location of the project (see guidance: *Climate Adaptation and Resilience*) and how climate change is anticipated to affect that location during the life of the project.

Trends in temperature, precipitation, flood risk, and cooling degree days are described below for the general project location. Some of the climate projections summarized below use Representative Concentration Pathways (RCPs), which are greenhouse gas concentration scenarios used by the Intergovernmental Panel on Climate Change. RCP 4.5 is an intermediate scenario in which emissions decline after peaking around 2040, and RCP 8.5 is a worst-case scenario in which emissions continue to rise through the 21st century.[1]

Temperature

According to the Minnesota Climate Explorer,[2] the historical average temperature in Anoka County between 2002-2022 was approximately 44.95 °F, with the lowest average in 2014 (41.5°F) and the highest average in 2012 (47.89°F). The average annual temperature in Anoka County is projected to be 48.42°F from 2040-2059 under RCP 4.5. In 2080-2099, the average annual temperature is projected to be 50.84°F and 54.58 °F under RCP 4.5 and 8.5, respectively.

Urban Heat Island

Surfaces and structures such as roads, parking lots, and buildings absorb and re-emit more heat from the sun than natural landscapes. This can significantly raise air temperature and overall extreme heat vulnerability in urban areas where there are dense concentrations of these surfaces. This is referred to as urban heat island effect. According to the Metropolitan Council's Extreme Heat Map Tool, based on the land surface temperate at the project site during a heatwave in 2016, the site is susceptible to extreme heat.[3]

Precipitation

According to the Minnesota Climate Explorer, historic average precipitation in Anoka County between 2002-2022 was approximately 31.63 inches, with the lowest average in 2008 (25.67 inches) and the highest average in 2002 (41.01 inches). Average annual precipitation in Anoka County from 2040-2059 is projected to be 32.79 inches under RCP 4.5. From 2080-2099, average annual precipitation is projected to be 33.62 inches under RCP 4.5 and 35.87 inches under RCP 8.5.

Localized Flood Risk

The Metropolitan Council's Localized Flood Map Screening Tool[4] identifies localized flood hazards, referred to as Bluespots, which are broken into categories based on potential flood

[1] Climate Explorer Metadata. Available at https://www.dnr.state.mn.us/climate/climate-explorer-metadata.html.
[2] Minnesota Climate Explorer. Minnesota Department of Natural Resources. Available at https://arcgis.dnr.state.mn.us/ewr/climateexplorer/main/historical.
[3] Extreme Heat Map Tool. Metropolitan Council. Available at https://metrocouncil.org/Communities/Planning/Local-Planning-Assistance/CVA/Tools-Resources.aspx
[4] Localized Flood Map Screening Tool. Metropolitan Council. Available at https://metrocouncil.org/Communities/Planning/Local-Planning-Assistance/CVA/Tools-Resources.aspx.

water depth. This tool shows Primary, Secondary, and Tertiary Bluespots along throughout the site, with a maximum depth of 12.15 feet. Most Bluespots are centered around the wetland features on the site. Primary Bluespots are the first areas to fill with water, followed by Secondary.

Cooling Degree Days

As defined by the National Weather Service, degree days are based on the assumption that when the outside temperature is 65°F, heating or cooling is not needed to be comfortable. Degree days are the difference between the daily temperature mean and 65°F. If the temperature mean is above 65°F, 65 is subtracted from the mean and the result is the cooling degree days. For example, if the mean temperature over a 24-hour period is 70°F, then there have been five cooling degree days.[5] Cooling degree days are used as a proxy to estimate cooling needs for buildings.

According to Heat Vulnerability in Minnesota, [6] the number of cooling degree days in 2019 for Anoka County was 379. The number of cooling days in 2050 for Anoka County is projected to be 453 and 598 for RCP 4.5 and 8.5, respectively.

b. For each resource category in the table below, describe the project's proposed activities and how the project's design will interact with those climate trends. Describe proposed adaptations to address the project effects identified.

Table 2: Climate Considerations and Adaptations

Resource Category	Climate Considerations	Project Information	
		Climate Change Risks and Vulnerabilities	Adaptations
Project Design	Aspects of the building architecture/materials choices and site design may negatively affect urban heat island conditions in the area considering changing climate zones, temperature trends, and potential for extended heat waves.	The site is in an area with risk of urban heat island effect, increased temperature and precipitation, and increased frequency of freeze/thaw cycles.	• Landscaping and stormwater management systems will reduce runoff and urban heat island effect. • Wetlands and green spaces on site will be preserved.
Land Use	The project is proposing changing some vegetated areas to impervious surfaces.	Minnesota climate trends predict an increase in precipitation and urban heat island effects in the general project area.	• Stormwater management facilities will be designed to minimize standing water and reduce the

[5] "What Are Heating and Cooling Degree Days." National Weather Service. Available at https://www.weather.gov/key/climate_heat_cool.

[6] Heat Vulnerability in Minnesota. Minnesota Department of Health and the University of Minnesota. Available at https://maps.umn.edu/climatehealthtool/heat_app/.

Resource Category	Climate Considerations	Project Information	
		Climate Change Risks and Vulnerabilities	Adaptations
			risk of flooding on the project site. These facilities would improve water quality and stormwater runoff in the project vicinity. • Wetlands and greenspaces are to be preserved.
Water Resources	The project design proposes an increase in impermeable surface, altering surface water flow.	• Change in weather could cause higher frequency of freeze/thaw cycles, resulting in the need for increased salting. • Chlorides from salting degrade nearby water quality and impact aquatic life.	• Using native plants and perennials for landscaping and stormwater features will absorb water and reduce the water demand for irrigation. • The stormwater system will be sized for the additional impervious areas and changes in stormwater requirements.
Contamination/ Hazardous Materials/ Wastes	Current Minnesota climate trends and anticipated climate change in the general location of the project may influence the potential environmental effects of generation/use/storage of hazardous waste and materials.	Construction and the creation of additional residential units will generate an increase of emissions, particulate matter, and waste.	• Any hazardous waste products generated or stored within the proposed development will be registered and kept in accordance with Minnesota Pollution Control Agency (MPCA) requirements.
Fish, Wildlife, Plant Communities, and Sensitive Ecological	Project site contains potential suitable habitat for potentially state listed species.	The wetlands on site represent potential suitable habitat for Blanding's Turtle.	• Wetlands and greenspaces on site will be preserved.

Resource Category	Climate Considerations	Project Information	
		Climate Change Risks and Vulnerabilities	Adaptations
Resources (Rare Features)			
Green House Gases	The proposed project is project to generate an increased amount of greenhouse gases than the existing conditions.	Construction equipment and an increased number of residential units will require an increased use of energy.	• Existing on-site geothermal panels will provide a portion of the sites energy usage. • Roof solar panels to be considered in site design.

8. Cover Types

Estimate the acreage of the site with each of the following cover types before and after development.

Table 3: Cover Types

Cover Type	Before (Acres)	After (Acres)
Wetlands and Shallow Lakes (less than 2 meters deep)	3.52	3.52
Wooded/Forest	12.4	5.03
Brush/Grassland	2.4	0
Lawn/Landscaping	9.76	11.36
Green Infrastructure (total from Table 4)	0	1.56
Impervious Surface	7.3	12.47
Stormwater Pond (wet sedimentation basin)	0.12	1.56
Total	35.50	35.50

Table 4: Green Infrastructure

Green Infrastructure	Before (Acres)	After (Acres)
Constructed Infiltration Systems (infiltration basins, infiltration trenches, rainwater gardens, bioretention areas without underdrains, swales with impermeable check dams)	0	1.56
Constructed Tree Trenches and Tree Boxes	0	0
Constructed Wetlands		
Constructed Green Roofs	0	0
Constructed Permeable Pavements	0	0
Other (describe)	0	0
Total	0	1.56

Table 5: Trees

Trees	Approximate Percent	Approximate Number of Trees
Percent Tree Canopy Removed or Number of Mature Trees Removed During Development	59.4	+/-964
Number of New Trees Planted	N/A	0

Further ways to minimize tree removal, including planting new trees, will be considered as the project design advances. Tree removal will occur between November 1st and March 31st, outside of the active bat season.

9. Permits and Approvals Required

List all known local, state, and federal permits, approvals, certifications, and financial assistance for the project. Include modifications of any existing permits, governmental review of plans, and all direct and indirect forms of public financial assistance including bond guarantees, Tax Increment Financing, and infrastructure. *All of these final decisions are prohibited until all appropriate environmental review has been completed. See Minnesota Rules Chapter 4410.3100.*

Table 6: Permits and Approvals Required

Unit of Government	Type of Application	Status
Federal		
U.S. Army Corps of Engineers	Section 404 Permit	To be applied for, if needed
State		
Minnesota Department of Health	Water Extension Permit	To be applied for, if needed
Minnesota Department of Natural Resources	Water Appropriation Permit	To be applied for, if needed
	Public Waters Work Permit	To be applied for, if needed
Minnesota Pollution Control Agency	Construction Site Stormwater Permit	To be applied for, if needed
	Section 401 Water Quality Certification	To be applied for, if needed
	Sanitary Sewer Extension Permit	To be applied for, if needed
	Notice of Intent of Demolition	To be applied for, if needed
	National Pollution Discharge Elimination System (NPDES) Permit	To be applied for, if needed
Regional		
Anoka County	Access Permit	To be applied for, if needed
Metropolitan Council	Comprehensive Plan Amendment	To be applied for, if needed
Lower Rum River Watershed Management Organization	Grading, Stormwater management and Erosion/Sediment Control Permit	To be applied for, if needed

Unit of Government	Type of Application	Status
	Application for Minnesota WCA Decisions and Procedure Requirements	To be applied for, if needed
Local		
City of Ramsey	Grading Permit	To be applied for, if needed
	Excavation Permit	To be applied for, if needed
	Obstruction Permit	To be applied for, if needed
	Commercial Building Permit	To be applied for, if needed
	Residential Demolition Permit	To be applied for, if needed
	Residential New Townhouse Unit	To be applied for, if needed
	Municipal Water Connection Permit	To be applied for, if needed
	Sanitary Sewer Connection Permit	To be applied for, if needed
	Planned Unit Development	To be applied for, if needed
	Plat Application	To be applied for, if needed

10. Land Use

a. Describe:

i. Existing land use of the site as well as areas adjacent to and near the site, including parks and open space, cemeteries, trails, and prime or unique farmlands.

The existing site is a church with two single family homes and undeveloped vegetated areas. Surrounding land use is largely residential, along with commercial developments, undeveloped vegetated areas, wetlands, and waterways. The nearest park or recreation area is Solstice Park, located directly north of the site. Other nearby parks include Flintwood Terrace Park (0.2-mile south), and the Rum River Nature Area (0.2-mile east). On-road trails are located along County Road 5 and MN Highway 47 adjacent to the site as shown in the city's parks and trails map.

The project site does not include prime or unique farmland.

ii. Planned land use as identified in comprehensive plans (if available) and any other applicable plan for land use, water, or resource management by a local, regional, state, or federal agency.

Ramsey's 2040 Comprehensive Plan identifies the existing land use as undeveloped, institutional, and single family detached (see Figure 4). The future land use map shows the project site as public/institutional and high density residential (see Figure 5).

iii. Zoning, including special districts or overlays such as shoreland, floodplain, wild and scenic rivers, critical area, agricultural preserves, etc.

According to the City of Ramsey Planning Department Interactive Zoning Map, existing zoning is designated as R-1 MUSA-80, R-2 Medium Density Residential, R-3 High Density Residential (see Figure 6). The R-1 zone is designated to accommodate single-family dwelling units on suitable land. The R-2 zone is designated to accommodate multiple dwellings at a density of four to seven dwelling units per acre and multiple-dwelling complexes. The R-3 zone is designated to accommodate high density residential housing at a density greater than seven units per acre but not to exceed 15 units per acre. The site is not within any overlay districts.

iv. **If any critical facilities (i.e., facilities necessary for public health and safety, those storing hazardous materials, or those housing occupants who may be insufficiently mobile) are proposed in floodplain areas and other areas identified as at risk for localized flooding, describe the risk potential considering changing precipitation and event intensity.**

No critical facilities are proposed as part of the project, and the project is not located within a FEMA 100-Year floodplain area.

b. Discuss the project's compatibility with nearby land uses, zoning, and plans listed in Item 10a above, concentrating on implications for environmental effects.

The proposed residential development is generally compatible with existing and future land uses. There are three different zoning districts within the site that have differing requirements for density and building requirements.

c. Identify measures incorporated into the proposed project to mitigate any potential incompatibility as discussed in Item 10b above and any risk potential.

It is anticipated that the developer will work with the city on unifying the proposed zoning through a Planned Unit Development to comply with building and design requirements for the site.

11. Geology, Soils, and Topography/Landforms

a. Geology – Describe the geology underlying the project area and identify and map any susceptible geologic features such as sinkholes, shallow limestone formations, unconfined/shallow aquifers, or karst conditions. Discuss any limitations of these features for the project and any effects the project could have on these features. Identify any project designs or mitigation measures to address effects to geologic features.

According to the Geologic Atlas of Anoka County (2013)[7], bedrock geology of the project site consists of St. Lawrence Formation, dolomitic, feldspathic siltstone with interbedded very fine-grained sandstone and shale, and Tunnel City Group, fine- to medium grained, cross-stratified, generally friable, quartz sandstone; or very fine- to fine-grained, glauconitic, feldspathic sandstone. The estimated depth to bedrock is approximately 151-250 feet below grade. The surficial geology consists of Richfield terrace, which consists of sand and gravelly sand, and peat and much which consists of partially decomposed plant matter.

[7] Available at https://conservancy.umn.edu/handle/11299/116119

No sinkholes, unconfined/shallow aquifers, or karst conditions were identified in the project area. The geology of the project site does not result in limitations for the proposed development.

a. Soils and Topography – Describe the soils on the site, giving NRCS (SCS) classifications and descriptions, including limitations of soils. Describe topography, any special site conditions relating to erosion potential, soil stability, or other soil limitations, such as steep slopes or highly permeable soils. Provide estimated volume and acreage of soil excavation and/or grading. Discuss impacts from project activities (distinguish between construction and operational activities) related to soils and topography. Identify measures during and after project construction to address soil limitations including stabilization, soil corrections, or other measures. Erosion/sedimentation control related to stormwater runoff should be addressed in response to Item 12.b.ii.

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey, there are five soil types within the site, which are generally loamy sands (see Table 7).

Table 7. Soil Types

Map Unit Symbol	Map Unit Name	Acres within Project Site	Percent of Site
D90B	Nymore loamy sand, 1 to 6 percent slopes	1.7	4.7%
Mc	Marsh	3.3	9.3%
NrD	Nymore loamy coarse sand, 12 to 25 percent slopes	3.6	10.2%
NyA	Nymore loamy sand, 0 to 2 percent slopes	13.6	38.4%
NyC	Nymore loamy sand, 6 to 12 percent slopes	13.3	37.3%

The site earthwork is estimated be a net cut of 2,500 cubic yards based on the excavations for ponding, underground stormwater management, vehicle infrastructure, and building foundations.

A National Pollutant Discharge Elimination System (NPDES) permit is required because the project will disturb more than one acre of land. A Stormwater Pollution Prevention Plan (SWPPP) will be prepared. All unpaved areas disturbed during construction will be revegetated in accordance with the standard NPDES permit requirements. In areas with steep slopes, special consideration will be given to prevent erosion during construction, such as erosion control blankets, along with vegetation establishment to permanently stabilize side slopes and any areas impacted as a result of construction.

12. Water Resources

a. Describe surface water and groundwater features on or near the site below.

i. Surface Water – lakes, streams, wetlands, intermittent channels, and county/judicial ditches. Include any special designations such as public waters, shoreland classification and floodplain/floodway, trout stream/lake, wildlife lakes, migratory waterfowl feeding/resting lake, and outstanding resource value water. Include the presence of aquatic invasive species and the water quality impairments or special designations listed on the current MPCA 303d Impaired Waters List that are within 1 mile of the project. Include DNR Public Waters Inventory number(s), if any.

Minnesota Department of Natural Resources (DNR) Public Waters within one mile of the project site includes Rum River (M-063), Grass Lake (DNR# 61989), and 14 unnamed basins (DNR# 61648, 61991, 61619, 62546, 71459, 61990, 61997, 62788, 65935, 70837, 71329, 71541, 71612, 71579), with Unnamed Basin 70837 located within the project site (see Figure 7). Rum River is listed on the Minnesota Pollution Control Agency's (MPCA's) 303d Impaired Waters List[8]for mercury in fish tissue.

A previous on-site wetland delineation performed by Pinnacle Engineering, Inc. in 2022 identified two wetlands (Wetland 1 is 3.05 acres and Wetland 2 is 0.47 acres) within the project site (see Figure 8 and Appendix B). The wetlands general align with the NWI mapped wetlands on the eastern portion of the site.

ii. Groundwater – aquifers, springs, and seeps. Include 1) depth to groundwater; 2) if project is within a MDH wellhead protection area; and 3) identification of any onsite and/or nearby wells, including unique numbers and well logs, if available. If there are no wells known on site or nearby, explain the methodology used to determine this.

According to the Minnesota Hydrogeology Atlas, depth to the water table varies from 0 to 30 feet across the project site (see Figure 9). Based on the Minnesota Department of Health (MDH) Well Index, static ground water appears to be between 25 to 28 feet below the surface in the area. According to the MDH Source Water Protection Web Map Viewer, the project site is within the Minneapolis, St. Paul, and St. Cloud Priority A and Priority B Drinking Water Supply Management Areas.

According to the Well Index, there are two active domestic wells on the project site (Unique Well ID 668043 and 430267, see Figure 10). No additional wells are within 150 feet of the project site. The onsite wells will be located and abandoned during construction of this project. Well reuse for irrigation purposes may be considered. If any other wells are encountered during construction, they will be capped and sealed according to Minnesota Department of Health regulations.

[8] Available at https://www.pca.state.mn.us/air-water-land-climate/minnesotas-impaired-waters-list

Table 8. Wells

Well ID Number	Well Status	Well Name	Static Water Level (ft)	Well Depth (ft)	Entry Date	Location
430267	Active	STEENERSON, LARRY	24	187	4/15/1991	Onsite
668043	Active	LORD OF LIFE LUTHERAN CH	28	147	3/11/2002	Onsite

b. Describe effects from project activities on water resources and measures to minimize or mitigate the effects below.

i. Wastewater – For each of the following, describe the sources, quantities, and composition of all sanitary, municipal/domestic, and industrial wastewaters projected or treated at the site.

1) If the wastewater discharge is to a publicly owned treatment facility, identify any pretreatment measures and the ability of the facility to handle the added water and waste loadings, including any effects on, or required expansion of, municipal wastewater infrastructure.

The daily wastewater flow for the proposed development was calculated by utilizing the Metropolitan Council Sewer Availability Charge (SAC) Criteria Calculator to determine the equivalent number of SAC units for the proposed residential units on site. The proposed 498 units, along with the existing church, yielded a total of 536 SAC units for the proposed development. A flow of 274 gallons per day (GPD) per SAC unit (per Metropolitan Council) was used to get an estimated daily sewage flow of 146,864 GPD for the proposed development.

The property will be served by the publicly owned Metropolitan Council Metropolitan Wastewater Treatment Plan in Saint Paul. The plant currently treats an average of 172 million GPD, with a total capacity up to 251 million GPD. Based on the Twin Cities Metropolitan Council Sewer Availability Charge Guidelines, the estimated wastewater from the proposed development is anticipated to consist primarily of normal commercial sewage resulting from the proposed residential and institutional areas on site. The proposed site is expected to generate approximately 146,864 GPD (0.146 million GPD). The Metropolitan Council's Metropolitan Wastewater Treatment Plan has the capacity to treat the volume and composition of wastewater generated by the proposed project without pretreatment or other plan facility improvements. It is anticipated that the 8" stubs on the property will be able to handle the added water and waste loadings, although additional expansion or reconfiguration of existing sanitary sewers may be required.

2) If the wastewater discharge is to a subsurface sewage treatment system (SSTS), describe the system used, the design flow, and suitability of site conditions for such a system. If septic systems are part of the project, describe the availability of septage disposal options within the region to

handle the ongoing amounts generated as a result of the project. Consider the effects of current Minnesota climate trends and anticipated changes in rainfall frequency, intensity, and amount with this discussion.

Not applicable.

3) **If the wastewater discharge is to surface water, identify the wastewater treatment methods and identify discharge points and proposed effluent limitations to mitigate impacts. Discuss any effects to surface or groundwater from wastewater discharges, taking into consideration how current Minnesota climate trends and anticipated climate change in the general location of the project may influence the effects.**

   Not applicable.

ii. **Stormwater – Describe changes in surface hydrology resulting from change of land cover. Describe the routes and receiving water bodies for runoff from the project site (major downstream water bodies as well as the immediate receiving waters). Discuss environmental effects from stormwater discharges on receiving waters post-construction, including how the project will affect runoff volume, discharge rate, and change in pollutants. Consider the effects of current Minnesota climate trends and anticipated changes in rainfall frequency, intensity, and amount with this discussion. For projects requiring NPDES/SDS Construction Stormwater permit coverage, state the total number of acres that will be disturbed by the project and describe the stormwater pollution prevention plan (SWPPP), including specific best management practices to address soil erosion and sedimentation during and after project construction. Discuss permanent stormwater management plans, including methods of achieving volume reduction to restore or maintain the natural hydrology of the site using green infrastructure practices or other stormwater management practices. Identify any receiving waters that have construction-related water impairments or are classified as special as defined in the Construction Stormwater permit. Describe additional requirements for special and/or impaired waters.**

Prior to construction, stormwater runoff on the east of the site drains directly to the wetland on the east side of the property. Any drainage captured on the west side of the site by storm sewer is collected in a depression near the northwest entrance of the site, where the water infiltrates or overtops into swales along County Road 5. The proposed development includes five additional acres of impervious surface, increasing the runoff rate. After construction, water will be directed to one of four infiltration basins, where the water will then be directed to the same previous receiving water bodies. For ponds on the east side of the site, the eventual receiving water body will be the wetland that occupies the east side of the site. For ponds on the west side of the site, the outlet will tie into stormwater further south along County Road 5 and eventually make it to wetlands south of the site.

A SWPPP will be developed for the project in accordance with the NPDES permit administered by the MPCA. The SWPPP will cover temporary measures to prevent

pollution during construction (erosion and sediment control as well as controls to minimize spills, leaks, or other discharges of pollutants) and permanent measures to prevent stormwater pollution after construction. These BMPs may include one or more of the following: silt fencing, inlet sediment filters, sediment traps, grit chambers, temporary ditch checks, rock filter dikes, fiber logs, turf reinforcement mats, temporary seeding, riprap and erosion control blankets for disturbed areas, and seeding or placement of sod or other plant material for restoration.

Additionally, the project will comply with all City of Ramsey Erosion Control Requirements[9] and Lower Rum River Watershed Management Organization (LRRWMO) Storm Water Standards[10]. Per the City of Ramsey, an erosion control escrow must be submitted, and a silt fence (or other approved erosion control measures) must be installed prior to issuance of a building permit.

iii. **Water Appropriation – Describe if the project proposes to appropriate surface or groundwater (including dewatering). Describe the source, quantity, duration, use, and purpose of the water use and if a DNR water appropriation permit is required. Describe any well abandonment. If connecting to an existing municipal water supply, identify the wells to be used as a water source and any effects on, or required expansion of, municipal water infrastructure. Discuss environmental effects from water appropriation, including an assessment of the water resources available for appropriation. Discuss how the proposed water use is resilient in the event of changes in total precipitation, large precipitation events, drought, increased temperatures, variable surface water flows and elevations, and longer growing seasons. Identify any measures to avoid, minimize, or mitigate environmental effects from the water appropriation. Describe contingency plans should the appropriation volume increase beyond infrastructure capacity or water supply for the project diminish in quantity or quality, such as reuse of water, connections with another water source, or emergency connections.**

No additional permanent dewatering is expected as part of this project. A Water Use Appropriations Permit would be obtained if permanent dewatering was determined to be necessary for the final design of the project. A Water Use Appropriation Permit is required for permanent water appropriations and applies to users withdrawing more than 10,000 gallons of water per day or one million gallons per year.

If unidentified wells are found, the MPCA and MDH must be contacted to determine the course of action, which may include sealing, relocating, or preserving by a licensed well contractor according to Minnesota Rules Chapter 4725.

There are existing wells that serve the Church and residence and the proposed plan is to abandon and seal per MPCA/MDH requirements and connect to the City water system. The water supply will be obtained from the City of Ramsey's water system, which is a groundwater based public water supply. The water supply will be obtained from the existing City groundwater wells that currently supply the City of Ramsey

[9] Available at: https://www.ci.ramsey.mn.us/DocumentCenter/View/1590/Erosion-Control--EDITED-2-PDF

[10] Available at: https://lrrwmo.org/wp-content/uploads/2018/04/AppendixE_SW_standards_revised_4_2018.pdf

water system. The existing groundwater wells draw water from 7 municipal wells ranging from 120 to 213 feet deep that draw water from the Tunnel City, Tunnel City-Eau Claire, and Tunnel City-Wonewoc aquifers.

Water mains to service the site area provided within adjacent roadway right-of-way, and a preliminary review indicates that the existing infrastructure is sufficient for the anticipated development. For the proposed development, the estimated demand needed to support the new development is 146,864 gallons per day (based on the proposed 498 units, along with the existing church, yielded a total of 536 MCES SAC units for the proposed development). Assuming 2-acres or irrigated landscape will require 1-inch of water per week will require approximately 7,760-GPD. Using native plants and perennials for landscaping and stormwater features will absorb water and reduce the water demand for irrigation.

Based upon the estimated demand, the existing city water supply is capable of handling the new development. Water appropriation for new wells or an increase in authorized volume is not anticipated for the project as the city's current system can accommodate the development.

iv. Surface Waters

1) **Wetlands – Describe any anticipated physical effects or alterations to wetland features, such as draining, filling, permanent inundation, dredging, and vegetative removal. Discuss direct and indirect environmental effects from physical modification of wetlands, including the anticipated effects that any proposed wetland alterations may have to the host watershed, taking into consideration how current Minnesota climate trends and anticipated climate change in the general location of the project may influence the effects. Identify measures to avoid (e.g., available alternatives that were considered), minimize, or mitigate environmental effects to wetlands. Discuss whether any required compensatory wetland mitigation for unavoidable wetland impacts will occur in the same minor or major watershed and identify those probable locations.**

   The City of Ramsey requires a 16.5-foot buffer around all wetlands and stormwater ponds. The wetlands must be protected from disturbance and erosion during the construction process. Post construction, certain activities shall be prohibited within 16.5 feet of the wetland edge. The freshwater emergent wetlands on the site will be avoided, maintaining the existing function and value of the wetlands.

   If designs would change to impact wetlands, any wetland impacted would require Minnesota Wetland Conservation Act (WCA) approval with the City of Ramsey as the WCA LGU, and an US Army Corps of Engineers (USACE) Section 404 of the Clean Water Act permit. Wetland impacts would be mitigated based on current rules and requirements from the City and USACE.

2) **Other surface waters – Describe any anticipated physical effects or alterations to surface water features (lakes, streams, ponds, intermittent**

channels, county/judicial ditches) such as draining, filling, permanent inundation, dredging, diking, stream diversion, impoundment, aquatic plant removal, and riparian alteration. Discuss direct and indirect environmental effects from physical modification of water features, taking into consideration how current Minnesota climate trends and anticipated climate change in the general location of the project may influence the effects. Identify measures to avoid, minimize, or mitigate environmental effects to surface water features, including in-water Best Management Practices that are proposed to avoid or minimize turbidity/sedimentation while physically altering the water features. Discuss how the project will change the number or type of watercraft on any water body, including current and projected watercraft usage.

No alternations to other surface waters are anticipated.

13. Contamination/Hazardous Materials/Wastes

a. Pre-project Site Conditions – Describe existing contamination or potential environmental hazards on or in close proximity to the project site, such as soil or groundwater contamination, abandoned dumps, closed landfills, existing or abandoned storage tanks, and hazardous liquid or gas pipelines. Discuss any potential environmental effects from pre-project site conditions that would be caused or exacerbated by project construction and operation. Identify measures to avoid, minimize, or mitigate adverse effects from existing contamination or potential environmental hazards. Include development of a Contingency Plan or Response Action Plan.

MPCA's What's In My Neighborhood (WIMN) database was reviewed to determine if any known contaminated properties or potential environmental hazards are located on the project site or within 150 feet of the project site. The database includes one site within the project site, and one site within 150 feet (see Table 9 and Figure 11).

Using the following criteria established by the Minnesota Department of Transportation (MnDOT), the sites were classified into high, medium, and low risk sites:

- **High risk:** In general, sites with high environmental risks are properties that have documented releases of chemicals or hazardous or regulated substances (e.g., active and inactive state and federal cleanup sites, active and inactive dump sites, and active leaking underground storage tank sites), strong evidence of contamination (e.g., soil staining, stressed vegetation), or storage of large volumes of petroleum or other chemicals (e.g., bulk storage tank facilities).
- **Medium risk:** Sites of medium environmental risk are properties where smaller volumes of petroleum, chemicals, or hazardous materials are frequently stored and used (e.g., registered underground and aboveground storage tanks, vehicle repair facilities, metal working shops), but at which no evidence of spills or releases exists, or properties with documented releases that have been "closed" (signifying no further cleanup actions deemed necessary) by the MPCA. Closed sites, such as closed leaking underground storage tank sites, are considered medium risks because

residual soil or groundwater contamination may exist.

- **Low risk:** Low environmental risk sites include properties where minor volumes of chemicals or hazardous materials have been used or stored (e.g., hazardous waste generators, and possibly some farmsteads and residences).

Table 9. MPCA WIMN Sites Within 150 Feet of the Project Site

Site ID	Site Name	Activity	Risk Level	Status
26494	Oil Change Anywhere Inc	Hazardous Waste, Very small quantity generator	Low	Active
140834	Stoney River	Construction Stormwater	Low	Inactive

b. Project Related Generation/Storage of Solid Wastes – Describe solid wastes generated/stored during construction and/or operation of the project. Indicate method of disposal. Discuss potential environmental effects from solid waste handling, storage, and disposal. Identify measures to avoid, minimize, or mitigate adverse effects from the generation/storage of solid waste including source reduction and recycling.

Construction Generated Waste

Demolition debris and earth materials will be generated during demolition of the existing residential structures. The solid wastes generated during demolition will be recycled or disposed of at a state-permitted landfill.

Asbestos-containing materials (ACM) will require management prior to any demolition, renovation, or operations and maintenance work that might disturb identified or assumed asbestos materials. If ACM is discovered during renovation/demolition activities, disturbance work will immediately stop until a determination regarding asbestos content within the material is discovered.

Construction of the proposed development will generate construction-related waste materials such as wood, packaging, excess materials, and other wastes, which will either be recycled or disposed of in the proper facilities in accordance with state regulations and guidelines.

Operationally Generated Waste

The proposed development would generate new demands on solid waste management and sanitation services provided in the project site. Based on the proposed area of 215,290 square feet, it is estimated that the residential waste stream will be around 2,321 tons per year. Hazardous waste products are not anticipated to be produced or stored within the proposed development.

c. Project Related Use/Storage of Hazardous Materials – Describe chemicals/hazardous materials used/stored during construction and/or operation of the project including method of storage. Indicate the number, location, and size of any new above or below

ground tanks to store petroleum or other materials. Indicate the number, location, size, and age of existing tanks on the property that the project will use. Discuss potential environmental effects from accidental spills or releases of hazardous materials. Identify measures to avoid, minimize, or mitigate adverse effects from the use/storage of chemicals/hazardous materials including source reduction and recycling. Include development of a spill prevention plan.

One 265-gallon underground storage tank and one 300-gallon aboveground storage tank were identified on-site during a 2022 survey. The underground storage tank is a heating oil tank located to the northeast of the existing single-family homes. The aboveground storage tank is a propane tank and is located to the northwest of the existing single-family homes. Based on the age of the 265-gallon heating oil underground storage tank (50+ years) and that it has been 24 years since the subsurface investigation was completed, there is an inherent risk of release and leakage associated with the tank. The 2022 survey recommended a Phase II Subsurface Investigation to assess potential impacts associated with the active 265-gallon tank.

Any hazardous waste materials used/stored during construction and/or operation of the project will be disposed of in the manner specified by local or state regulation or by the manufacturer. A spill prevention plan will be developed, and proper spill prevention controls will be in place for any vehicle refueling or maintenance that occurs on site during construction.

d. Project Related Generation/Storage of Hazardous Wastes – Describe hazardous wastes generated/stored during construction and/or operation of the project. Indicate method of disposal. Discuss potential environmental effects from hazardous waste handling, storage, and disposal. Identify measures to avoid, minimize, or mitigate adverse effects from the generation/storage of hazardous wastes including source reduction and recycling.

Regulated material and/or waste will be managed in accordance with state requirements. No known toxic or hazardous wastes are anticipated to be generated on site. If any toxic or hazardous waste is generated on the site, it will be properly handled to current state and federal regulations. Toxic or hazardous wastes to be stored on site during construction will include fuel and oil necessary for maintaining and running heavy construction equipment and during operations may include commercial cleaning supplies. The MPCA regulates asbestos management activities and disposal activities. Any disposal of asbestos regulated waste will be in accordance with MPCA rules.

14. Fish, Wildlife, Plant Communities, and Sensitive Ecological Resources (Rare Features)

a. Describe fish and wildlife resources as well as habitats and vegetation on or near the site.

One DNR Public Watercourse, Rum River, is located within one mile of the site and is not classified as a trout stream. One Unnamed Public Water Basin is located within the site, and

14 Public Water Basins are located within one mile of the site (see Figure 7). The wetlands on site, along with the waterbodies adjacent to the site, could provide suitable fish habitat.

Potential wildlife habitat is located primarily within the eastern portion of the project site within the green space and wetlands. Adjacent land uses include residential, road right-of-way, and parks, which provide potential wildlife habitat. Given the urban setting of the project site, wildlife including white-tailed deer, small mammals, and bird species that are currently using the project site for potential habitat are well adapted to highly disturbed suburban environments.

Three Minnesota Biological Survey Sites of Biodiversity Significance and nine Regionally Significant Ecological Areas are located within one mile of the project site. According to 2022 DNR Native Plant Communities database, no native plant communities are within or adjacent to the project site. According to the City of Ramsey's 2007 Natural Resources Inventory (NRI), there are two moderate quality native plant communities (Aspen Forest and Oak Woodland-Brushland) and one good quality native plant community (Wet Meadow) located in the forested area on the northeast side of the site.

b. Describe rare features such as state-listed (endangered, threatened, or special concern) species, native plant communities, Minnesota Biological Survey Sites of Biodiversity Significance, and other sensitive ecological resources on or within close proximity to the site. Provide the license agreement number (LA-1074) and/or correspondence number (MCE____) from which the data were obtained and attach the Natural Heritage Review letter from the DNR. Indicate if any additional habitat or species survey work has been conducted within the site and describe results.

State-Listed Threatened and Endangered Species
A review of the DNR Natural Heritage Inventory System (LA-1074) database was conducted for the project site and the area within one mile of the project site. This review identified two species within one mile of the project site and one species within the project site itself.

A record for the Blanding's Turtle (*Emys blandingii*), a state-listed threatened species, is located within the project site. Three records for the Blanding's Turtle are located within one mile of the project site. Blanding's Turtles prefer wetland complexes and adjacent sandy uplands, including calm, shallow waters associated with river and stream. In southeastern Minnesota, open marshes and bottomland wetlands provide summer and winter habitat. Ephemeral wetlands are utilized in spring and early summer, while deeper marshes and backwater pools are utilized in both the summer and winter.

A record for the Creek Heelsplitter (*Lasmigona compressa*), a state-listed species of special concern, is located within one mile of the project site. The Creek Heelsplitter prefers creeks, small rivers, and the upstream portions of large rivers. The wetlands on site do not represent suitable habitat; therefore, no long-term adverse impacts to Creek Heelsplitters are anticipated.

Federally Listed Threatened and Endangered Species
A review of the U.S. Fish and Wildlife Service's Information for Planning and Consultation (IPaC) tool was completed for Anoka County. This review identified two federally listed endangered or proposed endangered species that may be present within the project site.

A record for the Northern Long-Eared Bat, a federally endangered species, was identified within Anoka County. During the summer, Northern Long-Eared Bats roost singly or in colonies underneath bark, in cavities, or crevices of both live and dead trees. The bat uses tree species based on suitability to retain bark or provide cavities or crevices. It has also been found, rarely, roosting in structures like barns or sheds. Tree stands in the eastern portion of the project site may present suitable habitat for the Northern Long-Eared Bat.

A record for the Tricolored Bat, a proposed federally endangered species, was identified within Anoka County. During the summer, Tricolored Bats roost among live and dead leaf clusters of live or recently dead deciduous hardwood trees Tree stands in the eastern portion of the project site may present suitable habitat for the Tricolored Bat.

Other Sensitive Ecological Resources
The identified Sites of Biodiversity Significance and Regionally Significant Ecological Areas are not within the project site, therefore; no adverse impacts in these areas are anticipated.

c. Discuss how the identified fish, wildlife, plant communities, rare features, and ecosystems may be affected by the project, including how current Minnesota climate trends and anticipated climate change in the general location of the project may influence the effects. Include a discussion on introduction and spread of invasive species from the project construction and operation. Separately discuss effects to known threatened and endangered species.

Effects to Wildlife Habitat and Sensitive Ecological Resources
Minimal tree removal will be required as part of the project; however, most trees will be preserved and a tree replacement plan will be developed and implemented per city code requirements. Limited tree removal is anticipated on the northeast side of the site where the City of Ramsey's 2007 survey identifies native plant species. Effective erosion prevention and sediment control practices will be implemented and maintained near the water resources on site throughout the duration of the project. Redevelopment will not have a significant adverse impact to any wildlife currently utilizing the site or the surrounding area.

Wildlife currently using the site are highly adaptive and should not be adversely affected by the project. Invasive species will be controlled on site during construction, and turf grass and other ornamental landscape plants will be used on the site and may provide some additional habitat for songbirds, small mammals, and insects.

Impacts to Threatened and Endangered Species
The wetlands within the project site are likely to be suitable habitat for Blanding's Turtle. Development is not proposed within the wetland areas; therefore, no long-term adverse impacts to Blanding's Turtle are anticipated.

Adverse impacts are not anticipated to the Creek Heelsplitter due to the lack of suitable habitat within the project site or the likelihood that the species is present in the area given the historical observation dates for the species.

d. Identify measures that will be taken to avoid, minimize, or mitigate adverse effects to fish, wildlife, plant communities, and sensitive ecological resources.

Invasive Species

The proposed project would not result in the introduction of invasive species. Disturbed areas would be reestablished using appropriate native and stabilization seed mix. Invasive species will be controlled on site during construction, and proposed landscaping will not include any DNR-identified invasive species. Additionally, best management practices will be followed when relocating construction equipment from other sites (see correspondence in Appendix C).

Threatened and Endangered Species

If Blanding's turtles are found on the project site, state law and rules prohibit the destruction of threatened or endangered species, except under certain prescribed conditions. The DNR provided several required avoidance measures in their NHIS correspondence:

- Avoid wetland and aquatic impacts during hibernation season, between September 15th and April 15th, if the area is suitable for hibernation.
- The use of erosion control blankets shall be limited to "bio-netting" or "natural-netting" types, and specifically not products containing plastic mesh netting or other plastic components. Be aware that hydro mulch products may contain small synthetic (plastic) fibers. Review mulch products and do not allow materials with synthetic (plastic) fiber additives in areas that drains into Public Waters.
- Construction areas should be thoroughly checked for turtles before the use of heavy equipment or any ground disturbance. If turtles are in imminent danger, they should be moved out of harm's way. Otherwise, they should be left undisturbed.

A Blanding's turtle fact sheet that describes the habitat use and life history of the species along with two lists of recommendations for avoiding and minimizing impacts to the turtles is included in Appendix C.

If tree clearing or structure demolition is anticipated, it is recommended to occur from November 1st-March 31st, which is outside of the active bat season.

Wildlife Habitat and Sensitive Ecological Resources

The developer will prepare a tree replacement plan to meet city code as site planning progresses.

15. Historic Properties

Describe any historic structures, archeological sites, and/or traditional cultural properties on or in close proximity to the site. Include 1) historic designations; 2) known artifact areas; and 3) architectural features. Attach letter received from the State Historic Preservation Office (SHPO). Discuss any anticipated effects to historic properties during project construction and operation. Identify measures that will be taken to avoid, minimize, or mitigate adverse effects to historic properties.

A search of the Minnesota State Historic Preservation Office's (SHPO) Statewide Inventory was requested to identify known historic properties and archaeological sites in the vicinity of the project (see Appendix C). Within Section 25, Township 32, Range 25 three archaeological records and one historic property record was identified. The historic property, District No. 28 School, is

listed on the National Register of Historic places and is within a half-mile of the project site. None of the sites or property will be impacted by the development.

It is not anticipated that unknown archaeological sites will be uncovered during the construction of this project as the site has been previously disturbed. However, if cultural materials are encountered during construction, unanticipated discovery protocols will be followed.

16. Visual

Describe any scenic views or vistas on or near the project site. Describe any project related visual effects such as vapor plumes or glare from intense lights. Discuss the potential visual effects from the project. Identify any measures to avoid, minimize, or mitigate visual effects.

The site includes existing institutional and residential land that is not near any unique designated scenic views or vistas. Future development would conform with the zoning regulations for building height, building form, landscape screening, and lighting would be in conformance with city ordinances. Adverse visual effects are not anticipated.

17. Air

a. **Stationary Source Emissions – Describe the type, sources, quantities, and compositions of any emissions from stationary sources such as boilers or exhaust stacks. Include any hazardous air pollutants and criteria pollutants. Discuss effects to air quality including any sensitive receptors, human health, or applicable regulatory criteria. Include a discussion of any methods used to assess the project's effect on air quality and the results of that assessment. Identify pollution control equipment and other measures that will be taken to avoid, minimize, or mitigate adverse effects from stationary source emissions.**

   No stationary source air emissions are anticipated; therefore, no mitigation is required.

b. **Vehicle Emissions – Describe the effect of the project's traffic generation on air emissions. Discuss the project's vehicle-related emissions effect on air quality. Identify measures (e.g., traffic operational improvements, diesel idling minimization plan) that will be taken to minimize or mitigate vehicle-related emissions.**

   Motor vehicles emit a variety of air pollutants including carbon monoxide (CO), hydrocarbons, nitrogen oxides, and particulates. The primary pollutant of concern is CO, which is a byproduct of the combustion process of motor vehicles. CO concentrations are highest where vehicles idle for extended periods of time. For this reason, CO concentrations are generally highest in the vicinity of signalized intersections where vehicles are delayed and emitting CO. Generally, concentrations approaching state air quality standards are found within about 100 feet of a roadway source. Further from the road, the CO in the air is dispersed by the wind such that concentrations rapidly decrease.

   The Minnesota Department of Transportation (MnDOT) has developed a screening method designed to identify intersections that will not cause a carbon monoxide (CO) impact above state standards. MnDOT has demonstrated that even the 10 highest traffic volume

intersections in the Twin Cities do not experience CO impacts. Therefore, intersections with traffic volumes lower than these 10 highest intersections will not cause a CO impact above state standards. MnDOT's screening method demonstrates that intersections with total daily approaching traffic volumes below 82,300 vehicles per day will not have the potential for causing CO air pollution problems. None of the intersections impacted by the project exceed the criteria that would lead to a violation of the air quality standards

c. Dust and Odors – Describe sources, characteristics, duration, quantities, and intensity of dust and odors generated during project construction and operation. (Fugitive dust may be discussed under Item 17a). Discuss the effect of dust and odors in the vicinity of the project including nearby sensitive receptors and quality of life. Identify measures that will be taken to minimize or mitigate the effects of dust and odors.

The project may generate temporary fugitive dust emissions during construction. These emissions would be controlled by sweeping, watering, or sprinkling, as appropriate or as prevailing weather and soil conditions dictate. Dust emissions are not anticipated during operations as all surfaces will either be impervious or vegetated.

The construction and operation of the project are not expected to generate objectionable odors.

18. Greenhouse Gas (GHG) Emissions/Carbon Footprint

a. GHG Quantification – For all proposed projects, provide quantification and discussion of project GHG emissions. Include additional rows in the tables as necessary to provide project-specific emission sources. Describe the methods used to quantify emissions. If calculation methods are not readily available to quantify GHG emissions for a source, describe the process used to cometo that conclusion and any GHG emission sources not included in the total calculation.

Certain gases in the earth's atmosphere, classified as greenhouse gases (GHGs), play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth.

The primary GHGs contributing to the greenhouse effect are carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Examples of fluorinated gases include chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3); however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of GHGs exceeding natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and

leading to a trend of unnatural warming of the earth's climate, known as global climate change or global warming.[11]

This section includes an estimated quantification of the following GHG emissions associated with the proposed project:

- Carbon Dioxide (CO_2)
- Nitrous Oxide (N_2O)
- Methane (CH_4)

The projected GHG emissions are provided on an average annual basis using the CO_2 equivalent (CO_2e) and include the proposer's best estimate of average annual emissions over the proposed life/design service life of the project. Emissions were estimated using the US Environmental Protection Agency's Simplified GHG Emissions Calculator (Version 7 June 2021)[12] and are summarized in Appendix D and Table 10 and Table 11 by project phase (i.e., construction and operations) and source type (e.g., combustion from mobile equipment, off-site electricity (see Appendix D for background analysis).

Construction emissions are based on length of construction and are from mobile equipment including passenger cars, light-duty trucks, medium and heavy-duty trucks, and construction equipment (both gasoline and diesel). Emissions associated with construction materials were not analyzed, as these are outside the scope of this analysis.

Emissions from cooling and refrigeration systems are not accounted for in this operational emissions analysis as GHGs from refrigerants are approximately less than 5 percent of the total GHG emissions of a building.[13] The project does not include any owned or leased vehicles anticipated to be used by the organization during operation, plans to purchase gases during operation, or land use conversions.

Table 10: Existing Operational Emissions

Scope	Emission Type	Emission Sub-Type	CO_{2e} Emissions (tons/year)
Scope 1	Combustion	Stationary equipment	838
Scope 2	Off-site electricity	Grid-based	48
Scope 3	Off-site waste management[14]	Area	2,084
Total			**2,970**

Table 11: Construction Emissions

Scope	Emission Type	Emission Sub-Type	Project-Related CO_{2e} Emissions (total)

[11] Summarized from U.S. EPA, Overview of Greenhouse Gases: https://www.epa.gov/ghgemissions/overview-greenhouse-gases

[12] Source: https://www.epa.gov/climateleadership/simplified-ghg-emissions-calculator

[13] Source: https://practicegreenhealth.org/sites/default/files/2019-06/PracticeGreenhealth_GHG_Toolkit_0.pdf

[14] Based on calculations from CalRecycle's website titled "Estimated Solid Waste Generation Rates," available at https://www2.calrecycle.ca.gov/wastecharacterization/general/rates.

Scope 1	Combustion	Mobile equipment	1,145
Total			**1,145**

Table 12: Proposed Emissions

Scope	Emission Type	Emission Sub-Type	Proposed CO_{2e} Emissions (tons/year)
Scope 1	Combustion	Stationary equipment	1,295
Scope 2	Off-site electricity	Grid-based	1,423
Scope 3	Off-site waste management	Area	2,373
Total			**5,091**

b. GHG Assessment

i. Describe any mitigation considered to reduce the project's GHG emissions.

Design strategies and other sustainability measures anticipated to be implemented in the proposed development to reduce emissions include:

- Energy end-use efficient appliances and equipment.
- Energy efficient lighting.
- Energy efficient building shells (i.e, a well insulated building).
- On-site geothermal energy use. There is an existing geothermal system on site and one or multiple of the cells that may continue to be used as an energy source that provides energy that can be extracted without burning fossil fuels.

ii. Describe and quantify reductions from selected mitigation, if proposed to reduce the project's GHG emissions. Explain why the selected mitigation was preferred.

The proposed mitigation listed in Item 18.b.i. includes best management practices for new construction and reducing GHG emissions where practicable during operations. Additionally, the project will develop a travel demand management plan to reduce use of single occupancy motor vehicles, and increase walking, bicycling, and transit as primary modes of travel to reduce GHG emissions from mobile sources.

iii. Quantify the proposed project's predicted net lifetime GHG emissions (total tons per number of years) and how those predicted emissions may affect achievement of the Minnesota Next Generation Energy Act goals and/or other more stringent state or local GHG reduction goals.

The Next Generation Energy Act requires the state to reduce greenhouse gas emissions in the state by 80 percent between 2005 and 2050, while supporting clean energy, energy efficiency, and supplementing other renewable energy standards in Minnesota. The MPCA's biennial GHG emissions reduction report from 2021[15]

[15] Available at https://www.pca.state.mn.us/air/state-and-regional-initiatives

identifies strategies for reducing emissions in the three economic sectors with the highest emissions – transportation, electricity generation, and agriculture, forestry, and land use.

The expected lifespan of the project is 50 years, which equates to an estimated 255,695 CO_2e metric tons over the lifetime of the building (including both construction and operations phases). The proposer is committed to implementing the sustainability measures listed in Item 18.b.i. to reduce operational emissions to the extent practicable. The proposed project will be built in compliance with state regulations and City of Ramsey code.

19. Noise

Describe sources, characteristics, duration, quantities, and intensity of noise generated during project construction and operation. Discuss the effect of noise in the vicinity of the project including 1) existing noise levels/sources in the area; 2) nearby sensitive receptors; 3) conformance to state noise standards; and 4) quality of life. Identify measures that will be taken to minimize or mitigate the effects of noise.

Existing Noise

The project site is in an urban area, and existing noise at the site is largely from the surrounding roadways. Nearby sensitive receptors include residences to the west and north.

Construction Noise

Typical construction noise will be temporarily generated by construction activities. The City of Ramsey Code of Ordinances regulates both the hours of operation for construction equipment and allowable noise levels. Construction of the project will adhere to requirements identified in City of Ramsey Code of Ordinance, Sec. 105-1, which states "It shall be unlawful to engage in or conduct any activity in the construction of any building or structure, or the laying of any pavement, including but not limited to the making of any excavation, clearing of surface land and loading or unloading material, equipment or supplies in any residential district of the city, except between the hours of 7:00 a.m. and 10:00 p.m. Monday through Saturday." A permit will be obtained from the City for work outside these hours. Additionally, all equipment shall be maintained and operated in such a manner to minimize noises as far as practicable.

Operational Noise

The City of Ramsey Code of Ordinances and the MPCA regulate noise. A noise study will be completed as part of the City's entitlement process to understand the existing and proposed noise conditions and identify any potential mitigation that may be needed so the proposed project complies with the local and state regulations.

20. Transportation

a. Describe traffic-related aspects of project construction and operation. Include 1) existing and proposed additional parking spaces; 2) estimated total average daily traffic generated; 3) estimated maximum peak hour traffic generated and time of occurrence; 4) source of trip generation rates used in the estimates; and 5) availability of transit and/or other alternative transportation modes.

For the sake of making a high-end estimate regarding the site's generated traffic, it was advised that the number of units should be estimated 10% higher than the current design includes.

Parking

The proposed project is anticipated to include approximately 619 new parking stalls for the residential developments and the existing church parking is unchanged.

Traffic Generation

It is estimated that the development will generate 153 new trips during the AM peak hour (40 entering, 113 exiting), 168 new trips during the PM peak hour (100 entering, 68 exiting), 161 new trips in the Sunday peak hour (86 entering, 75 exiting), and 1,849 daily trips. Trip generation estimates were based on Land Use Code (LUC) 221 (Multifamily Housing), ITE LUC 251 (Senior Adult Housing – Single-Family), and ITE LUC 252 (Senior Adult Housing – Multi-Family) in the ITE Trip Generation Manual, 11th Edition.

Table 7: Trip Generation Forecast

Land Use Description	Intensity	Daily	AM Peak Hour			SUN Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total	In	Out	Total
Multifamily Housing	303 Units	1,376	26	86	112	53	44	97	72	46	118
Senior Adult Housing – Townhomes	22 Units	94	2	4	6	3	2	5	4	3	7
Senior Adult Housing – Multi-Family	173 Units	561	12	23	35	30	29	59	24	19	43
Total Trip Generation		**1,849**	**40**	**113**	**153**	**86**	**75**	**161**	**100**	**68**	**168**

Pedestrians and Bicycles

There are existing pedestrian facilities/trails on both sides of Sunwood Dr, Dysprosium Rd and County Road 5. MN Highway 47 has a pedestrian/bicycle path on its east side only. There are marked crosswalks at all intersections that the pedestrian paths cross, as well as push-buttons at both of the stoplight controlled intersections. Internal walkways will connect buildings to each other; connections will be made with the existing trails along County Road 5.

Transit Service

There are no transit routes within a mile of the proposed site.

a. Discuss the effect on traffic congestion on affected roads and describe any traffic improvements necessary. The analysis must discuss the project's impact on the regional transportation system. *If the peak hour traffic generated exceeds 250 vehicles or the total daily trips exceeds 2,500, a traffic impact study must be prepared as part of the EAW. Use the format and procedures described in the Minnesota Department of*

Transportation's Access Management Manual, Chapter 5 (available at: http://www.dot.state.mn.us/accessmanagement/resources.html) or a similar local guidance.

A traffic impact study will be completed for this project based on the projected trip generation of the site (see Appendix E). The area's transportation network is expected to support the development within the project site with current intersection geometry. Metrics for traffic analysis include intersection delay as measured by level of service (LOS) and 95th percentile queue lengths. LOS grades range from A to F, with LOS A being the highest (best traffic flow and least delay), LOS E as saturated or at-capacity conditions, and LOS F being the lowest (oversaturated conditions). LOS D or better is generally considered acceptable operating conditions.

The traffic impact study will include intersection capacity analyses for intersections adjacent to the project site along County Road 5, MN Highway 47, and Sunwood Drive. Based on the results of the traffic impact study capacity analysis, all intersections are anticipated to operate with acceptable LOS in all analysis scenarios. Table 8 shows the LOS for the project site intersections in each analysis scenario.

Table 8: LOS Summary

Scenario			Intersection							
			CSAH 5 & Sunwood Drive	Sunwood Drive & Cobalt Street	MN-47 & Sunwood Road	CSAH 5 & 146th Avenue	CSAH 5 & Lord of Life Access	CSAH 5 & Iodine Street	CSAH 5 & Dysprosium Street	MN-47 & CSAH 5
Existing Year (2023)	AM	Delay (s)	13.9	4.5	7.2	10	2.3	10.1	15.2	16.8
		LOS	B	A	A	A	A	B	C	B
	PM	Delay (s)	28.6	4.5	13.1	4.6	2.4	40.2	8.4	20.4
		LOS	D	A	B	A	A	E	A	C
	Sunday	Delay (s)	8.5	2.1	7.1	4.3	2.6	6.1	8.4	17.3
		LOS	A	A	A	A	A	A	A	B
Opening Year (2027) No-Build	AM	Delay (s)	11.8	4.4	8.7	9.8	1.4	8.9	14.1	17.1
		LOS	B	A	A	A	A	A	B	B
	PM	Delay (s)	20.2	2	12.7	14.5	0.8	7	18.7	21.5
		LOS	C	B	B	B	A	A	C	C
	Sunday	Delay (s)	7.8	2	7	4.2	5.5	9.8	4.6	20
		LOS	A	A	A	A	A	A	A	B
Opening Year (2027) Build	AM	Delay (s)	13	4.6	8.8	6.4	10	24.5	25.2	17.6
		LOS	B	A	A	A	A	C	D	B
	PM	Delay (s)	20.6	4.6	8.5	19.2	0.7	26.8	18.5	21.7
		LOS	C	A	A	C	A	D	C	C
	Sunday	Delay (s)	19.2	4.1	8.4	15.3	2.5	19.5	25.1	17.3
		LOS	C	A	A	C	A	C	D	B
Horizon Year (2040) No-Build	AM	Delay (s)	15.4	4.2	8.2	10.6	3.1	25	18.1	17.7
		LOS	C	A	A	B	A	C	C	B
	PM	Delay (s)	15.8	4.1	14	10.7	14.1	15.4	17	22.7
		LOS	C	A	B	B	B	C	C	C

Scenario			Intersection							
			CSAH 5 & Sunwood Drive	Sunwood Drive & Cobalt Street	MN-47 & Sunwood Road	CSAH 5 & 146th Avenue	CSAH 5 & Lord of Life Access	CSAH 5 & Iodine Street	CSAH 5 & Dysprosium Street	MN-47 & CSAH 5
	Sunday	Delay (s)	7.8	2.5	6.5	6	5.8	15.3	6.5	17.6
		LOS	A	A	A	A	A	C	A	B
Horizon Year (2040) Build	AM	Delay (s)	15.5	4.4	8.3	60.2	10	31.5	35.7	19.6
		LOS	C	A	A	F	A	D	E	B
	PM	Delay (s)	19.3	2.9	14.7	17.5	14.1	18.5	20.4	25
		LOS	C	A	B	C	B	C	C	C
	Sunday	Delay (s)	7.5	2.3	6.9	6.9	5.7	11.1	7	19.3
		LOS	A	A	A	A	A	B	A	B

b. Identify measures that will be taken to minimize or mitigate project related transportation effects.

In all five analysis conditions, the study intersections generally operate at acceptable LOS, with only a few minor side street movements operating at a LOS worse than D. Additionally, all queues were maintained within their allotted storage areas. Since the conditions are acceptable in all scenarios, there are no mitigation changes recommended for this project.

21. Cumulative Potential Effects

a. Describe the geographic scales and timeframes of the project related environmental effects that could combine with other environmental effects resulting in cumulative potential effects.

Cumulative potential effects are defined as "the effect on the environment that results from the incremental effects of a project in addition to other projects in the environmentally relevant area that might reasonably be expected to affect the same environmental resources, including future projects actually planned or for which a basis of expectation has been laid, regardless of what person undertakes the other projects or what jurisdictions have authority over the projects."[16] The geographic areas considered for cumulative potential effects are those near the project site (within approximately one-half mile), and the timeframe considered includes projects that would be constructed in the reasonably foreseeable future.

[16] Minnesota Rules, part 4410.0200, subpart 11a

b. Describe any reasonably foreseeable future projects (for which a basis of expectation has been laid) that may interact with environmental effects of the proposed project within the geographic scales and timeframes identified above.

According to the Anoka County Highway Department Construction Finder[17], there are no foreseeable future projects within a half mile.

c. Discuss the nature of the cumulative potential effects and summarize any other available information relevant to determining whether there is potential for significant environmental effects due to these cumulative effects.

If reasonably foreseeable future projects are identified, potential impacts of these projects will be addressed as required by regulatory permitting and approval processes, minimizing the potential for cumulative effects.

22. Other Potential Environmental Effects

If the project may cause any additional environmental effects not addressed by Items 1 to 21, describe the effects here, discuss the how the environment will be affected, and identify measures that will be taken to minimize and mitigate these effects.

All known potentially adverse environmental impacts are addressed in the preceding EAW items.

[17] Available at http://gis.anokacountymn.gov/highway/

RGU Certification

*The Environmental Quality Board will only accept **SIGNED** Environmental Assessment Worksheets for public notice in the EQB Monitor.*

I hereby certify that:

- The information contained in this document is accurate and complete to the best of my knowledge.
- The EAW describes the complete project; there are no other projects, stages, or components other than those described in this document, which are related to the project as connected actions or phased actions, as defined at Minnesota Rules, parts 4410.0200, subparts 9c and 60, respectively,
- Copies of this EAW are being sent to the entire EQB distribution list.

Signature Date July 24, 2023

Title Todd A. Larson, Planning Manager

Figures

Figure 1. County Map

Figure 2. USGS Topographic Map

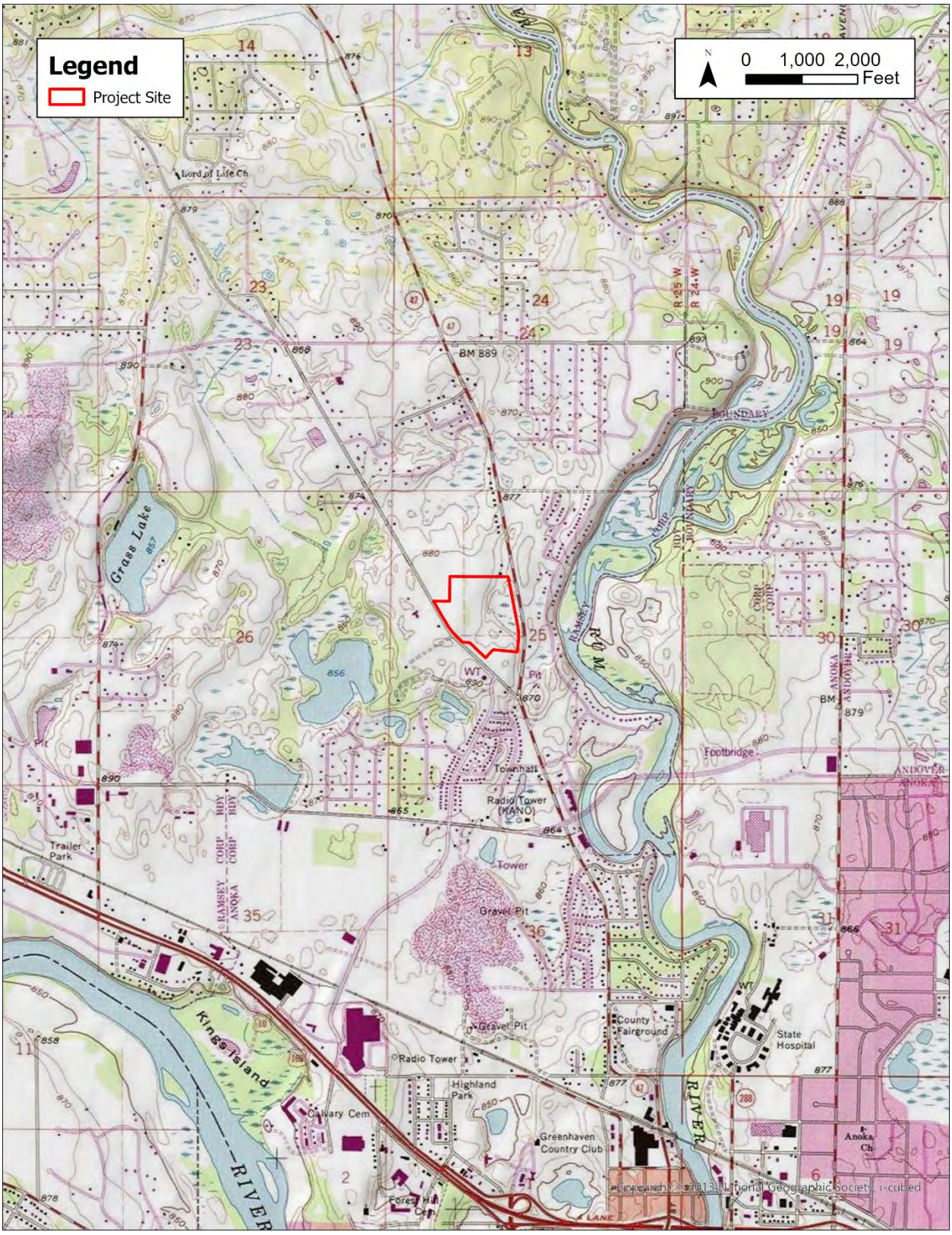


Figure 3: Existing Conditions

Figure 4. Existing Land Use

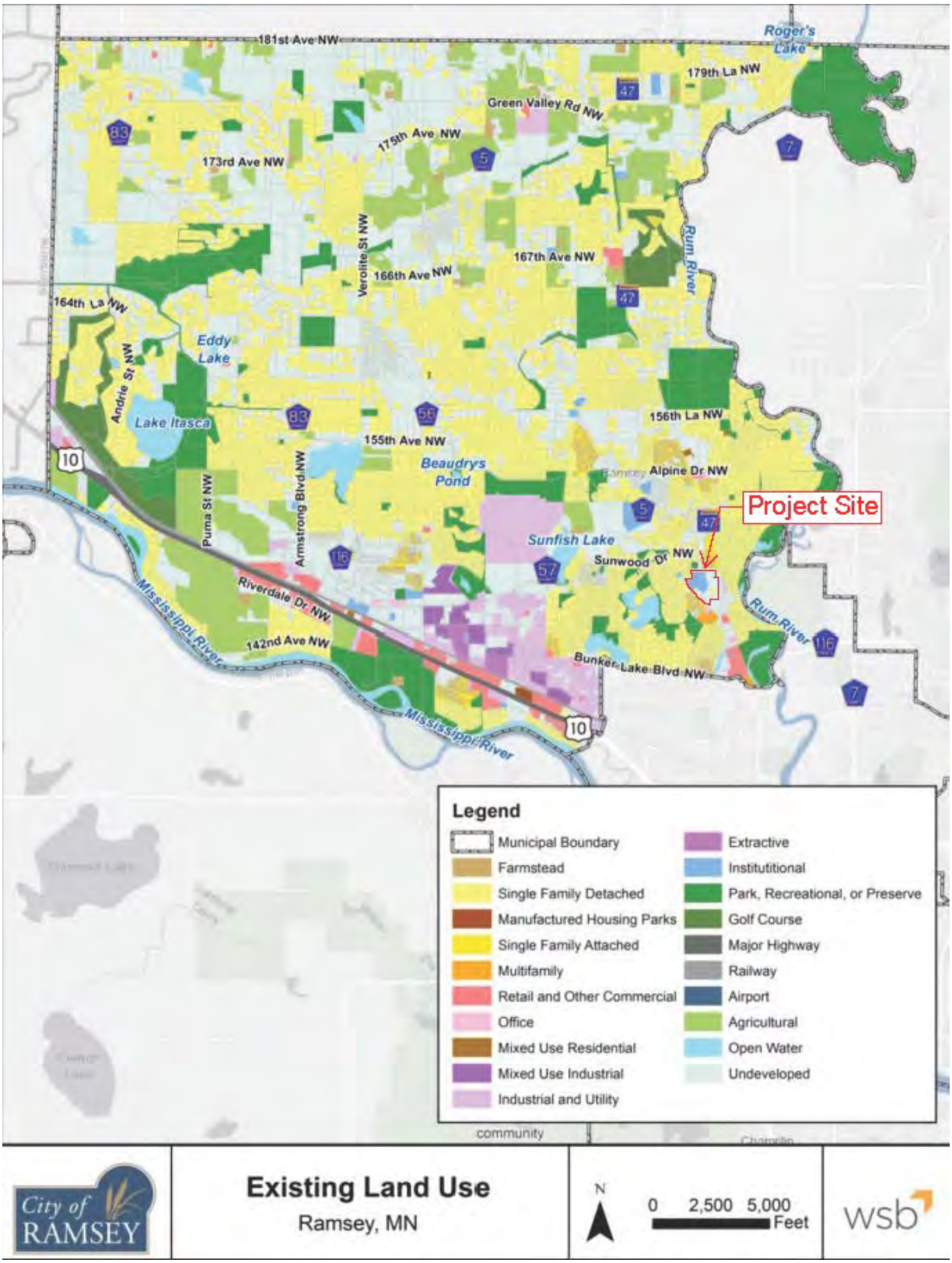


Figure 5. Future Land Use

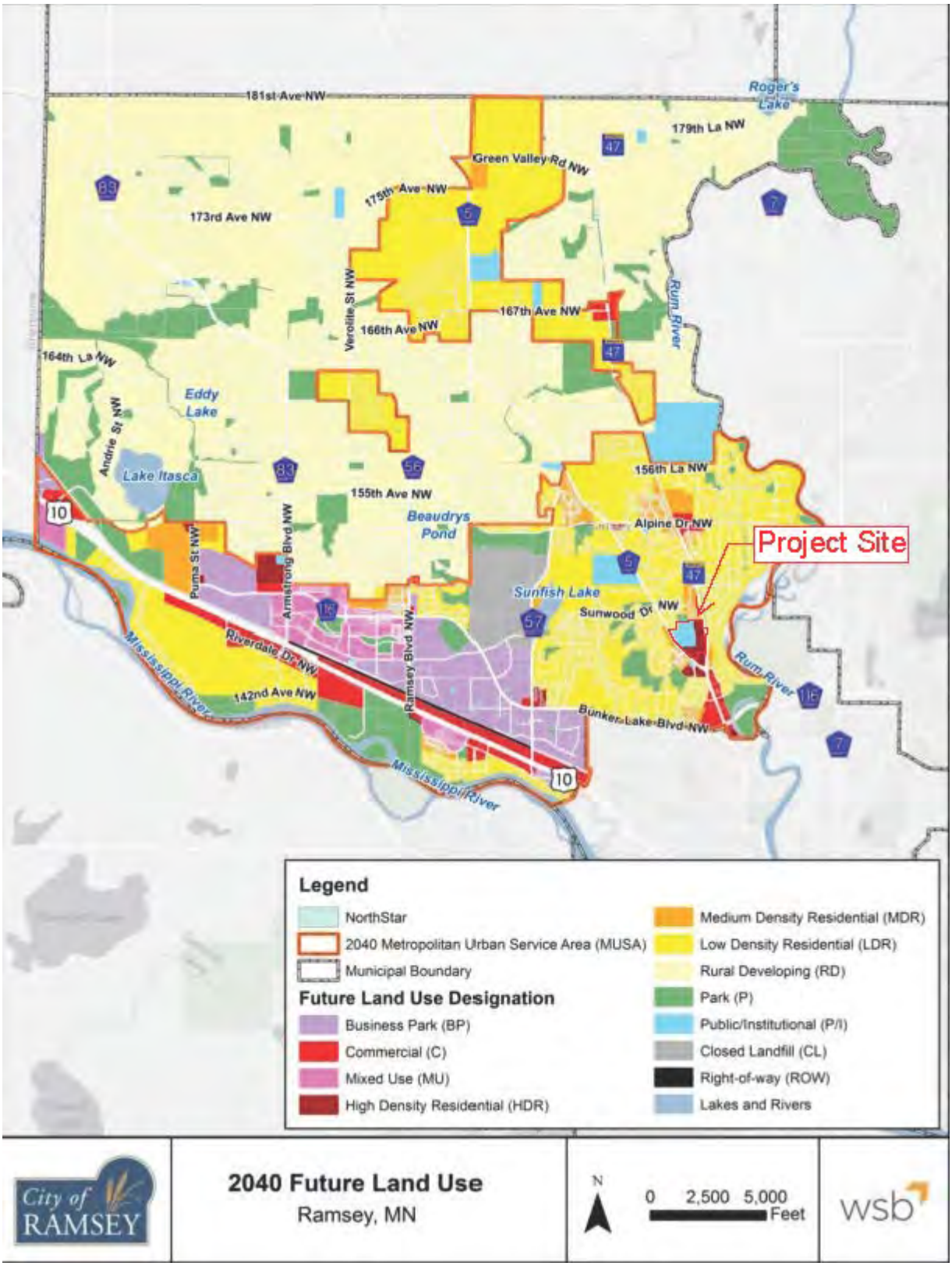


Figure 6. Existing Zoning

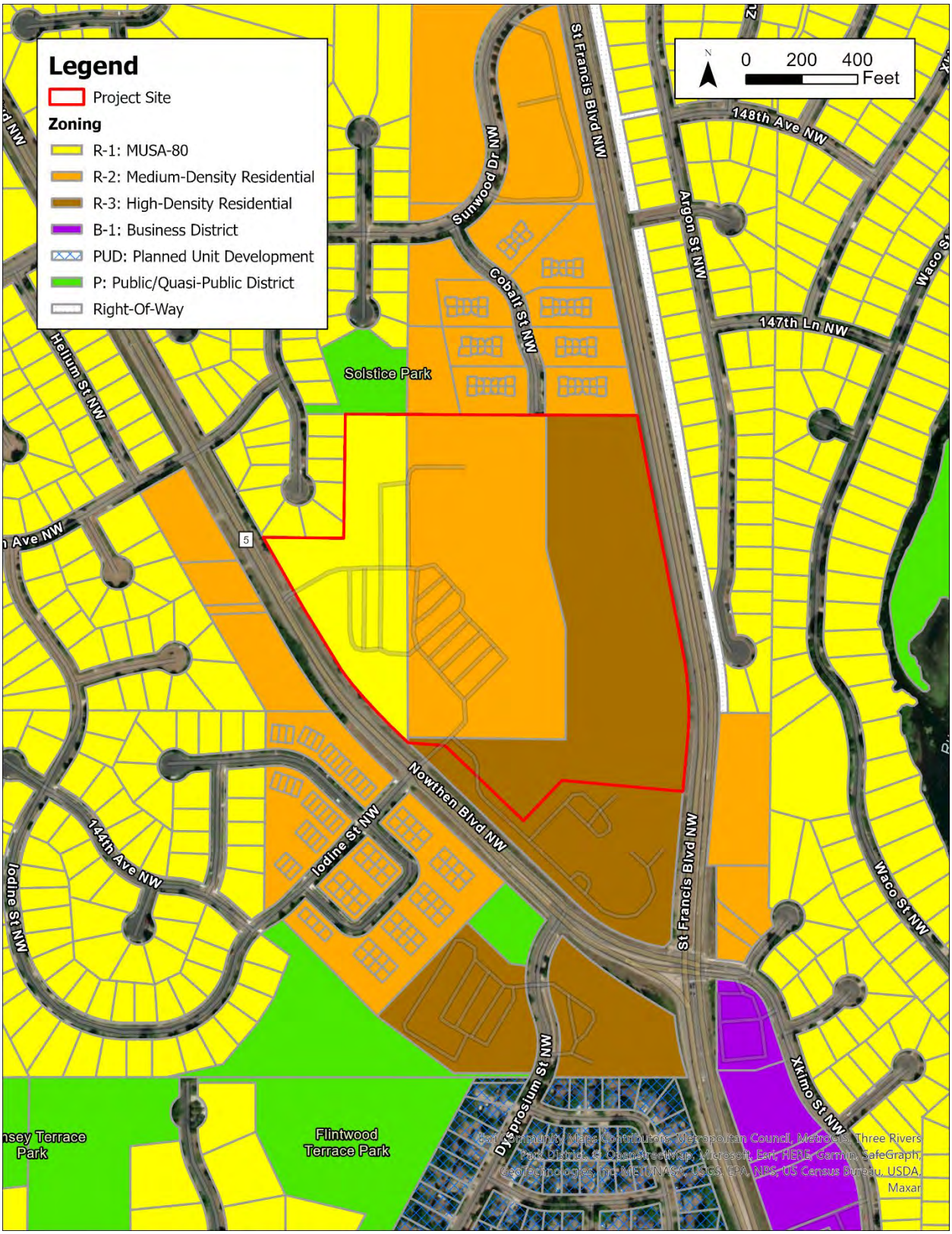


Figure 7. MnDNR Public Waters

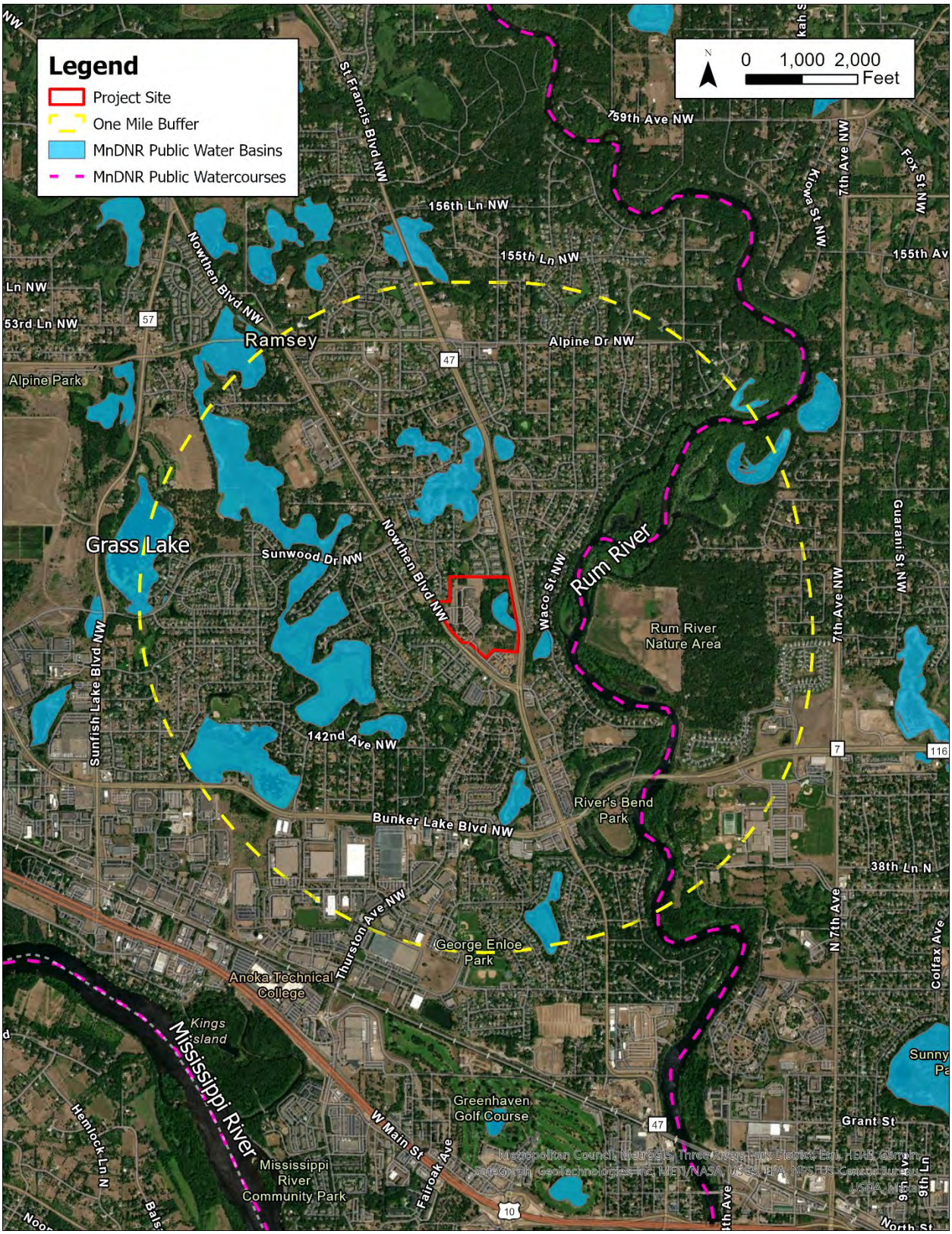


Figure 8. Delineated Wetlands

Figure 9. Depth to Water Table

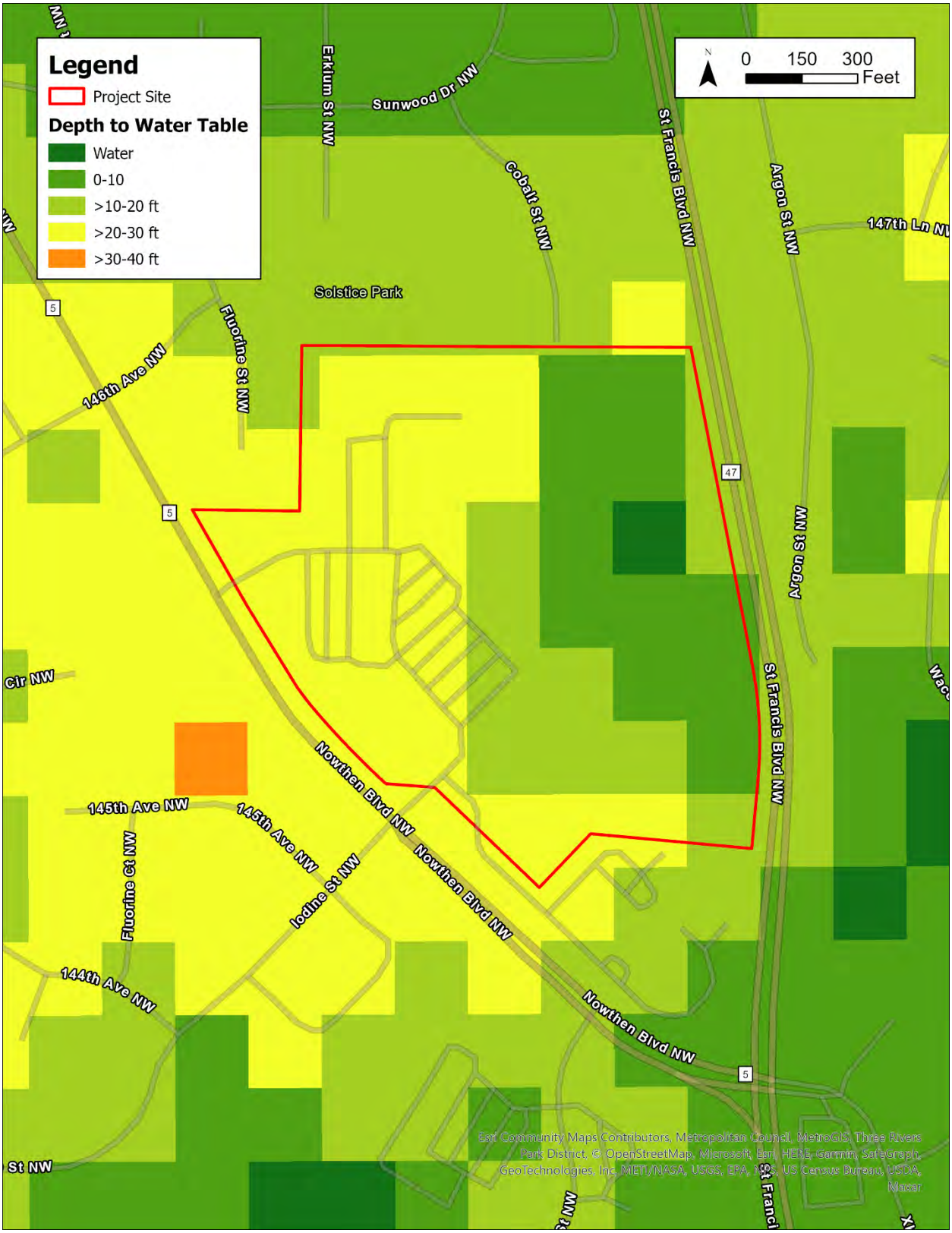


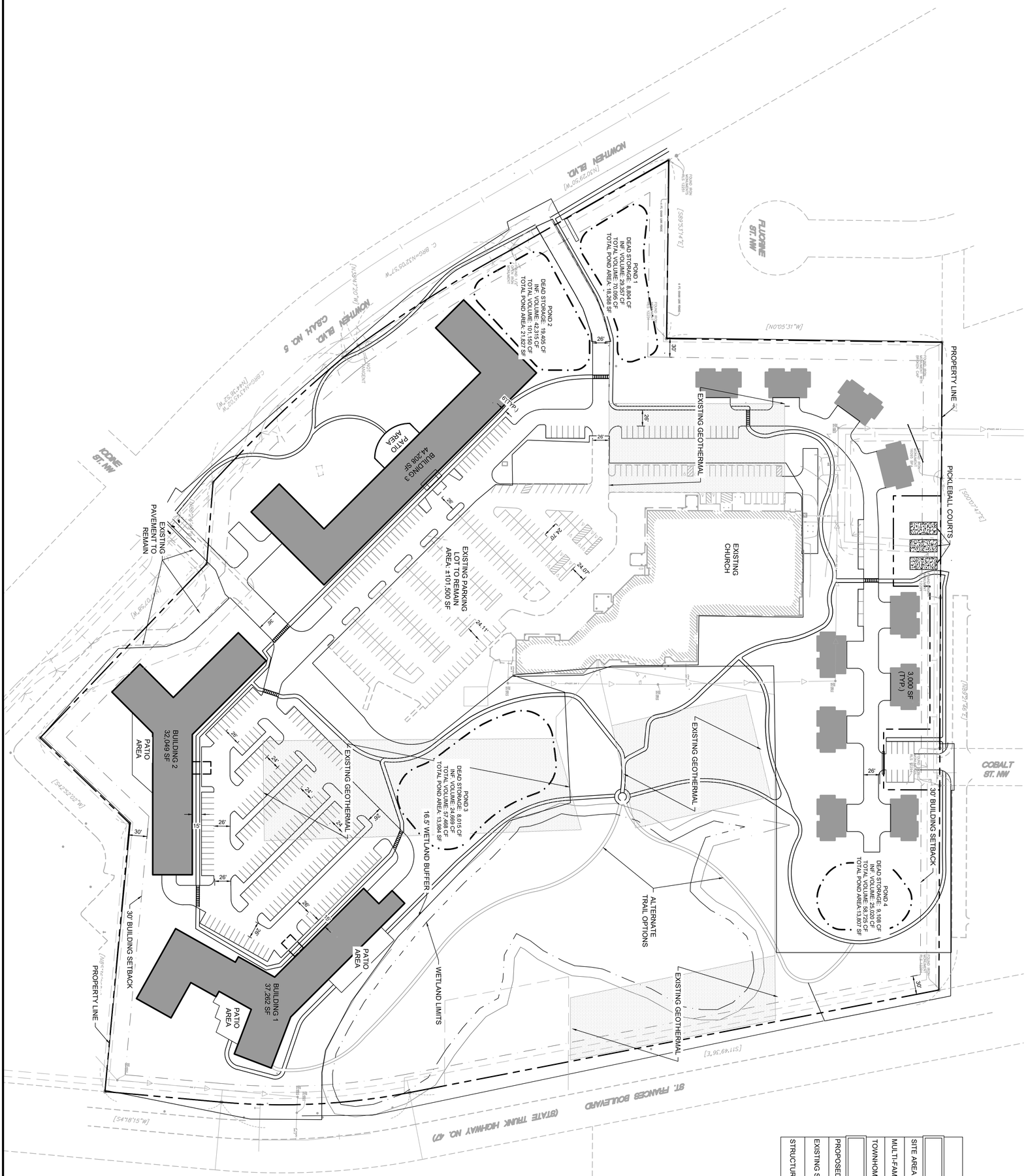
Figure 10. Minnesota Well Index

Figure 11. What's In My Neighborhood

Appendix A

Site Plan

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



BUILDING DATA SUMMARY

AREAS	
SITE AREA	35.53 AC
MULTI-FAMILY UNITS	476
TOWNHOME UNITS	22

PARKING	
PROPOSED SURFACE PARKING	263 STALLS
EXISTING SURFACE PARKING	231 STALLS
STRUCTURED PARKING	350 STALLS

GRAPHIC SCALE IN FEET 0 40 80 160

NORTH

Know what's below. Call before you dig. 811

PRELIMINARY - NOT FOR CONSTRUCTION

SHEET NUMBER C400

HAVILAND FIELDS

PREPARED FOR
BKV & SENIOR HOUSING PARTNERS
RAMSEY MN

CONCEPT SITE PLAN

KHA PROJECT	12345678
DATE	06/14/2023
SCALE	AS SHOWN
DESIGNED BY	RBW
DRAWN BY	GAR
CHECKED BY	MGC

Kimley»Horn
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767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114
PHONE: 651-645-4197
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY

Appendix B

Delineation Report

Pinnacle Engineering
Owning Challenges. Winning Trust.

MINNEAPOLIS, MN
763.315.4501
11541 95th Ave N
Minneapolis, MN 55369

July 26, 2022

Mr. Jon Fletcher
Vice President
Presbyterian Homes & Services and Senior Housing Partners
2823 Hamline Avenue N, Roseville, MN 55113

RE: Level 2 Wetland Delineation Services
Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303
Pinnacle Project No.: EM20225225

Dear Mr. Fletcher:

Presbyterian Homes & Services and Senior Housing Partners retained Pinnacle Engineering, Inc. (Pinnacle) to conduct a Level 2, On-Site, Wetland Delineation of the Lord of Life Lutheran Church located at 14501 Nowthen Blvd. NW in Ramsey, Anoka County, Minnesota (Site). The wetland delineation was conducted as part of a potential Site improvements.

It was determined that two wetland areas are present at the Site. The determination was conducted in substantial conformance with the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual and consisted of a Level 2 On-Site Wetland Determination utilizing soil surveys, wetland inventory maps, topographic maps, and climatic records. The determination will be reviewed by a representative of the Army Corps of Engineers. The delineation will also be reviewed by the Lower Rum River watershed Management Organization (LRRWMO) which is the Local Governmental Unit (LGU) administering the Minnesota Wetland Conservation Act (WCA). The following report documents the methods and findings of the determination.

If you have any questions or wish to discuss any aspect of the project, please contact me at (612) 432-5590. We look forward to being of continued service to you.

Sincerely,
PINNACLE ENGINEERING, INC.

Scott Thelen
Staff Scientist, Certified Wetland Scientist #1249

WETLAND DETERMINATION and DELINEATION REPORT

FOR:

LORD OF LIFE LUTHERAN CHURCH
14501 NOWTHEN BLVD. NW
RAMSEY, MN 55303

Prepared For:

Presbyterian Homes & Services
and Senior Housing Partners
2823 Hamline Avenue N
Roseville, MN 55113

PREPARED BY:

Pinnacle Engineering, Inc.
11541 95th Avenue North
Maple Grove, Minnesota 55369

July 26, 2022

Pinnacle Project Number: EM20225225

Pinnacle Engineering
Owning Challenges. Winning Trust.

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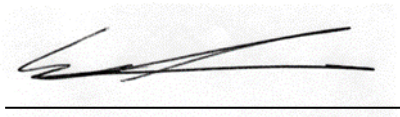

Eric Simonson
Senior Scientist

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1.0 INTRODUCTION

1.1 Introduction

Presbyterian Homes & Services and Senior Housing Partners retained Pinnacle Engineering, Inc. (Pinnacle) to conduct a Level 2, On-Site, Wetland Delineation of the Lord of Life Lutheran Church located at 14501 Nowthen Blvd. NW, Ramsey, Anoka County, Minnesota (Site). The Site consists of one parcel of land approximately 35.5 acres in size. The Site is within the SE ¼ of the NW ¼ of Section 25, Township 32N, Range 25W (Lat: 45.235659°, Long: -93.403106°). The Site includes the Lord of Life Lutheran Church, two houses, parking lots, fallow areas, uplands, and wetlands.

The purpose of the wetland delineation was to determine the presence of wetland areas on the Site. The Level 2 wetland delineation was conducted in substantial conformance with the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual, updated February 25, 1997, and utilizes the Midwest Regional Supplement. This report documents the methods and findings of the delineation. The local governmental unit (LGU) is the Lower Rum River Watershed Management Organization (LRRWMO).

1.2 Scope

Pinnacle conducted a Level 2 Onsite Wetland Determination and Delineation in accordance with the criteria established in the 1987 U. S. Army Corps of Engineers (ACOE) Wetland Delineation Manual, updated in 1997, utilizing the Midwest Regional Supplement. The work included the following items:

- Review of County Soil Surveys, USGS topographic maps, National Wetland Inventory (NWI) Maps, Public Water Inventory (PWI) maps, and aerial photographs.
- A site reconnaissance to determine if and where wetlands exist.
- Delineation of the identified wetlands within the area of interest boundaries.
- Preparation and submittal of this report summarizing the findings of our work.

2.0 BACKGROUND INFORMATION

2.1 Site Location and Use

The Site consists of one parcel approximately 35.5-acres in size, is within the SE ¼ of NW ¼ of Section 25, Township 32N, Range 25W (Lat: 45.235659°, Long: -93.403106°). The Site contains portions of the Lord of Life Lutheran church, parking lots, fallow areas, and wetlands. The property totals approximately 35.5-acres in size with property identification number (PID) 25-32-25-24-0059. Figure 1 shows the Site location and its current configuration.

2.2 Surveys and Maps

Pinnacle conducted a review of the Natural Resource Conservation Soil Survey, topographic maps, NWI, and PWI maps for the vicinity of the Site. The following sections summarize the information available at the time of this review.

2.2.1 Topographic Maps

The central property featuring the church building and parking lot appears to have an elevation of 886 elevation above mean sea level (AMSL). The Site appears to drain to the east and the west with elevations of 856 AMSL and 880 AMSL, respectively. The Site generally slopes to the wetland areas in the east and to a suspect wetland area in the western portion of the Site. Topographic contours are shown on Figure 2.

2.2.2 Soil Survey

The Natural Resources Conservation Service (NRCS) Web Soil Survey map, which is included as Figure 3, was reviewed for information pertaining to the Site soils. The Soil Survey indicated the Site soil units consist of:

- Nymore loamy sand, 1 to 6 percent slopes (D90B)
- Marsh (Mc)
- Nymore loamy coarse sand, 12 to 25 percent slopes (NrD)
- Nymore loamy sand, 0 to 2 percent slopes (NyA)
- Nymore loamy sand, 6 to 12 percent slopes (NyC)

Of the identified soil types, Marsh is considered a hydric soil.

2.2.3 Wetland Inventory Maps

The United States Fish and Wildlife Service (USFWS) NWI map for the Site area (Figure 4) depicted three wetland basins and four wetland types, as follows:

- Two wetland areas consisting of palustrine, emergent, persistent, temporary flooded, (PEM1A) wetlands.
- Two wetland areas consisting of palustrine, emergent, persistent, seasonally flooded, (PEM1C) wetlands.
- One wetland area consists of a palustrine, emergent, persistent, semi-permanently flooded, (PEM1F) wetland.
- One wetland area consists of a palustrine, unconsolidated bottom, semi-permanently flooded, (PUBF) wetland.

NWI maps generally show the approximate location of wetlands as of the time of publication.

2.2.4 Public Waters Inventory

The Minnesota Department of Natural Resources Public Waters Inventory (PWI) produces a map of the protected wetlands and waters of the State. The PWI map, which is included as Figure 5, identified a PWI protected basin number 02066500 within the Site. No PWI watercourses were identified within the Site boundaries.

3.0 WETLAND DETERMINATION

3.1 Methodology

The wetland determination was made utilizing the techniques of the Routine Level 2 Onsite Method, as described in the 1987 U. S. Army Corps of Engineers Wetland Delineation Manual, updated February 25, 1997 and utilizing the Midwest Regional Supplement. Determination of hydric soils, site hydrology, and hydrophytic vegetation were made according to the procedures and guidelines described in the manual. Sampling locations were selected to be representative of wetland/upland transition areas.

Scott Thelen of Pinnacle assessed the wetlands within the project area on July 19, 2022. The assessment included probing the soils to observe the color and moisture, as well as other available hydric soil indicators, such as mottling, gleying, and oxidized root channels. The characteristics noted for each sampling location are documented in the data forms, which are included in Appendix A. Potential wetland boundaries were collected using a handheld GPS unit and were flagged for survey by Sunde. The wetland areas are depicted on Figure 2. The wetland delineation was conducted at the beginning of the growing season with some remnant dormant vegetation present.

The 2022 seasonal antecedent rainfall amounts were below the normal precipitation amounts for this area. Precipitation amounts of 0.26 inches of rain occurred the fourteen days prior to the wetland delineation field visit. Hydrology was not anticipated to be present during the field visit.

3.2 Wetland Descriptions

Pinnacle identified two wetlands within the Site as depicted on Figure 2. NWI descriptions of the wetland classifications and types are found below. Table 3.2.1 below summarizes the findings of the field investigation. Data forms for the field investigation can be found in Appendix A and photographs in Appendix C.

Table 3.2.1
Wetlands Table
14501 Nowthen Blvd. NW,
Ramsey, Minnesota

Wetland ID	Delineated Wetland Type	Wetland Size ac/sf		NWI Wetland Type	Dominant Wetland Vegetation	Hydric Soil Indicator	Hydrology
W-1	PEM1C	3.05	132,858	PEM1C/PEM1F/ PEM1A	Cattails, et al.	Redox Dark Surface (F6)	Saturation (A3), Geomorphic Position ((D2)
W2	PEM1C/PUBF	0.47	20,473	PEM1C/PUBF	Cattails, et al.	Redox Dark Surface (F6)	Saturation (A3), Geomorphic Position ((D2)

Wetland Type PEM1A

The NWI Cowardin wetland classification system identifies the PEM1A label for a wetland that consists of a palustrine basin, dominated by persistent emergent vegetation, consisting of erect, rooted, herbaceous hydrophyte species that normally remain standing at least until the beginning of the next growing season, that is temporarily flooded. Surface water is present for brief periods during the growing season, but the water table usually lies well below the ground surface for most of the season. The NWI map for the Site area indicated two PEM1A wetlands, including one isolated wetland located in the west central portion of the Site, in the location of Suspect Area-1 (SA-1), and the other located in the southern portion of Wetland 1. The soils survey did not indicate hydric soils located within the SA-1 aera. The soil survey indicated hydric soils were present in the area of Wetland 1. The SA-1 area is most likely an excavated infiltration pond with a large culvert draining into it.

Wetland Type PEM1C

The NWI Cowardin wetland classification system identifies the PEM1C label for a wetland that consists of a palustrine basin, dominated by persistent emergent vegetation, consisting of erect, rooted, herbaceous hydrophyte species that normally remain standing at least until the beginning of the next growing season, that is seasonally flooded. Surface water is present for extended periods especially early in the growing season but is absent by the end of the growing season in most years. The water table, after flooding ceases, is variable, extending from saturated to the surface to a water table well below the ground surface. The NWI map for the Site area indicated two PEM1C wetlands contained within the Site boundaries. One of the these depicted areas corresponds to the northern portion of Wetland 1 and the other corresponds to the fringe of Wetland 2. The soils survey did

indicate hydric soils located within the Wetland 1 area. The soil survey did not depict hydric soils within the Wetland 2 area.

Wetland Type PUBF

The NWI Cowardin wetland classification system identifies the PUBF label for a wetland that consists of a palustrine basin, with an unconsolidated bottom that is semi-permanently flooded. This means that surface water persists throughout the growing season in most years, however when surface water is absent, the water table is usually at or very near the land surface. The NWI map for the Site area does indicates the PBUF wetland corresponds to Wetland 2. The soil survey did not indicate hydric soils are located within the Wetland 2 area. The Wetland 2 basin is most likely an excavated stormwater pond used to treat surficial runoff prior to entering the regional stormwater system .

4.0 DISCUSSION

Pinnacle performed a Level 2, On-Site, Wetland Delineation of the Lord of Life Lutheran Church located at 14501 Nowthen Blvd. NW, Ramsey, Anoka County, Minnesota (Site). The Site of approximately 35.5 acres consists of one parcel of land within the SE ¼ of NW ¼ of Section 25, Township 32N, Range 25W (Lat: 45.235659°, Long: -93.403106°). The underlying property contains the Lord of Life Lutheran Church, parking lots, fallow areas, and wetlands. The Site area has the PID of 25-32-25-24-0059. The Level 2 delineation was conducted in substantial conformance with the 1987 U.S. ACOE Wetland Delineation Manual, updated February 25, 1997, and utilized the Midwest Regional Supplement.

Site elevations range from approximately 886 feet AMSL to elevations of 856 feet AMSL and 880 feet AMSL in the east and the west areas of the Site. The NWI map indicated three wetland basins within the Site. The Soil Survey indicated hydric soils are located in the area of Wetland 2. The PWI map did not identify any PWI watercourses, however it did identify one PWI basin, number 02066500, within the Site.

The 2022 seasonal antecedent rainfall amounts were drier the normal precipitation amounts for this area. Precipitation amounts 0.26 inches of rain occurred the fourteen days prior to the wetland delineation field visit.

Wetland 1 is a depressional basin located in the north central portion of the Site. Under the Cowardin system a portion of Wetland 1 would be considered a palustrine, emergent, seasonally flooded (PEM1C) basin. Wetland 1 consists of a wetland area receiving drainage from the surrounding upland area. Under the Circular 39 system, the emergent portion of the wetland would be considered a type 3 wetland. Wetland 1 is dominated by hydrophytes comprised primarily of cattails. Hydric soils were found to be present. Hydrology appeared to be present and was based on saturation and standing water in the wetland basin. The wetland edge was determined along the edge of the wetland and

followed a distinct topographical and vegetation change. A weir connects Wetland 1 and Wetland 2. Wetland 1 is a public wetland basin (Basin number 02066500) protected by the Minnesota Department of Natural Resources.

Wetland 2 is a basin located in the east central portion of the Site. Under the Cowardin system portions of Wetland 2 would be considered a palustrine, emergent, seasonally flooded, (PEM1Cd) drained basin. The emergent portion of the wetland is surrounded in places by scrub shrub and forested wetlands and uplands. Wetland 2 consists of a depressional area receiving drainage from the surrounding upland area, from Wetland 1 through a weir, and a culvert appears to drain the wetland to the east. Under the Circular 39 system, the emergent portion of the wetland would be considered a type 3 wetland fringed with wetland types 6 and 7. Wetland 2 is dominated by hydrophytes comprised primarily of cattails. Hydric soils were found to be present. Hydrology appeared to be present and was based on saturation and standing water in the wetland basin. The wetland edge was determined along the edge of the wetland and followed a topography and vegetation change.

SA-1 is a basin located in the west central portion of the Site. SA-1 consists of a depressional area receiving drainage from the surrounding upland area and a large culvert in the northwest that appears adjacent to the parking lot. The SA-1 basin is depicted on the NWI map as an emergent wetland (PEM1A). SA-1 is not dominated by hydrophytes but is dominated by upland plants. Hydric soils and hydrology were not found to be present.

SA-2 is a basin located in the southwest portion of the Site. SA-2 consists of a depressional area receiving drainage from the surrounding upland area and a drainage from the adjacent the parking lot. SA-2 is not dominated by hydrophytes but is dominated by upland plants. Hydric soils and hydrology were not found to be present.

5.0 CONCLUSION

Pinnacle conducted a Level 2, On-Site, Wetland Delineation at the Lord of Life Lutheran Church located at 14501 Nowthen Blvd. NW, Ramsey, Anoka County, Minnesota. The approximately 35.5-acre Site contains the Lord of Life Lutheran Church, two houses, parking lots, fallow areas, uplands, and wetlands.

During the field assessment, it was determined that two areas within the Site met all three of the mandatory criteria of a wetland, and the wetland boundaries were recorded utilizing a handheld GPS device and were flagged for survey by others. One of the wetlands appears to be a storm water pond. The delineation will be reviewed by the Lower Rum River Watershed Management Organization which serves as the LGU administering Minnesota's Wetland Conservation Act and the U.S. Army Corps of Engineers, which administers the Clean Water Act.

6.0 STANDARD OF CARE

Environmental services performed by Pinnacle for the project have been conducted in a manner consistent with the degree of care and technical skill appropriately exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations or opinions contained in this report represent our professional judgment and are generally based upon available information and currently accepted practices for environmental professionals. Other than this, no other warranty is implied nor is it expressed.

7.0 REFERENCES

Eggers, Steve D. and Reed, Donald M., Wetland Plants and Plant Communities of Minnesota and Wisconsin, 1997, U. S. Army Corps of Engineers, St. Paul District.

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U. S. Army Corps of Engineers, U. S. Army Corps of Engineers Wetland Delineation Manual, 1987, updated on February 25, 1997, Washington, D. C.

Anoka County GIS. <https://gis.anokacountymn.gov/propertysearch/> (July 15, 2022).

FIGURE 1

Site Location Map

WETLAND DETERMINATION AND DELINEATION

Pinnacle Engineering
11541 95th Ave N.
Minneapolis, MN 55369
(763) 315-4501
www.pineng.com

PROJECT NUMBER: EM20225225 | DRAWN: ST | REVIEWED: ES | DATE: 07/14/2022

Figure 1.
Site Location

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND
Site
Site Boundary

File: Figure 1 - Site Location.mxd

FIGURE 2

Site Layout

WETLAND DETERMINATION AND DELINEATION

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11541 95th Ave N.
Minneapolis, MN 55369
(763) 315-4501
www.pineng.com

PROJECT NUMBER: EM20225225
DRAWN: ST
REVIEWED: ES
DATE: 07/20/2022

Figure 2.
Site Layout

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND
- Site Boundary
- Suspect Area
- 2ft Contour
- Wetland
- Sampling Point
- Transect

File: Figure 2 - Site Layout.mxd

FIGURE 3

Soil Survey

WETLAND DETERMINATION AND DELINEATION

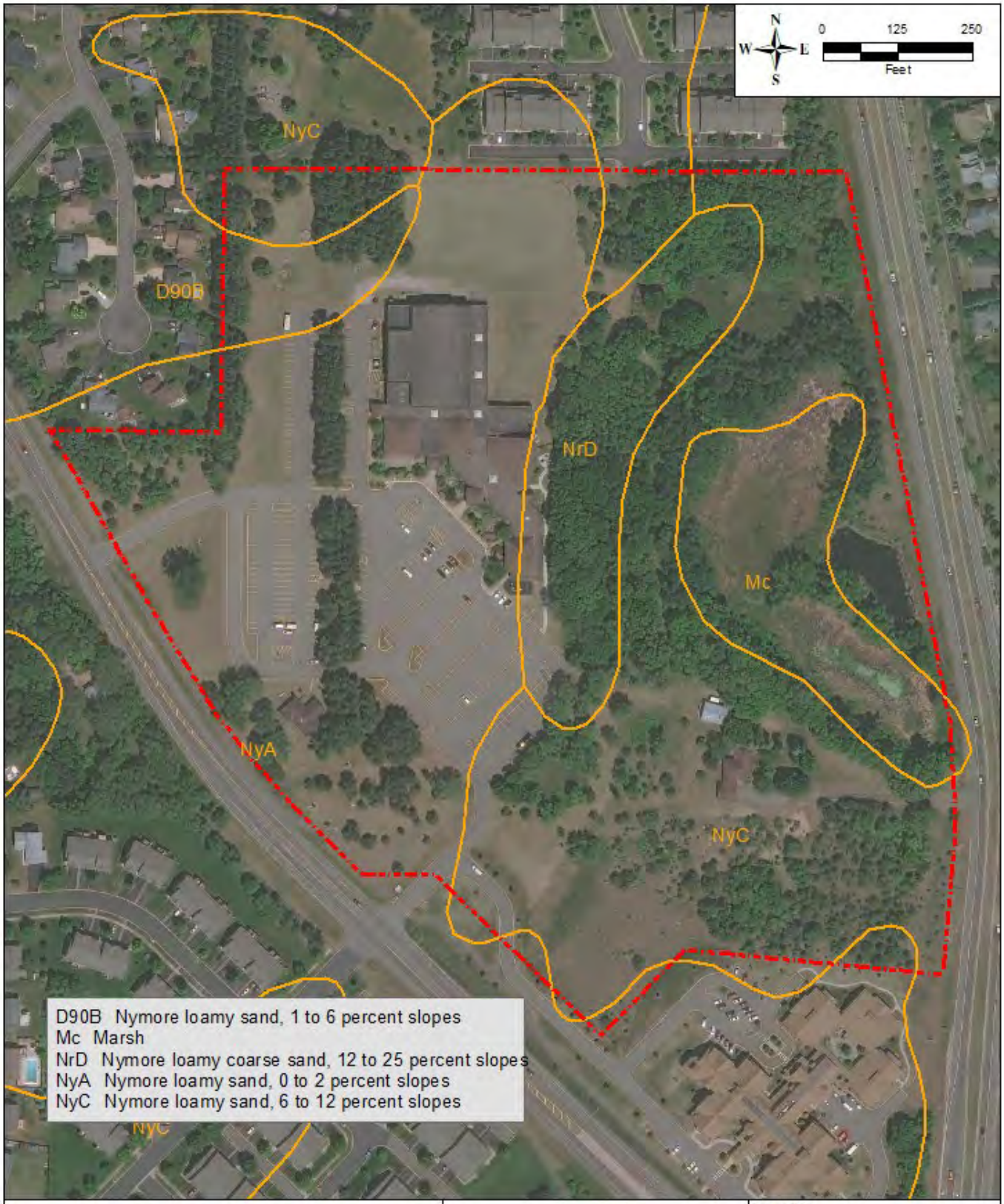

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Figure 3.
NCRS Soils Map

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND
Site Boundary
NCRS Soils

File: Figure 3 - Soils.mxd

FIGURE 4

National Wetland Inventory

WETLAND DETERMINATION AND DELINEATION

File: Figure 4 - NWI.mxd

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Figure 4.
NWI Map

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND

Site Boundary

FIGURE 5

Public Waters Inventory

WETLAND DETERMINATION AND DELINEATION

File: Figure 5 - PWI.mxd

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Figure 5.
PWI Map

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND
- Site Boundary
- PWI Basins
- PWI Watercourses

FIGURE 6

Wetland Communities

WETLAND DETERMINATION AND DELINEATION

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Figure 6.
Wetland Communities

Lord of Life Lutheran Church
14501 Nowthen Blvd. NW
Ramsey, MN 55303

LEGEND
- Site Boundary
- Emergent
- Scrub Shrub
- Forested

File: Figure 6 - Wetland Communities.mxd

APPENDICES

APPENDIX A

Midwest Region Data Forms

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W1-1U

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Populus tremuloides*	30	Y	FAC
2. *Quercus alba*	20	Y	FACU
3.			
4.			
5.			
	50	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Lonicera tatarica*	20	Y	FACU
2. *Cornus racemosa*	10	Y	FAC
3.			
4.			
5.			
	30	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Solidago canadensis*	20	Y	FACU
2. *Galium boreale*	10	Y	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	30	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
	_____	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	0.00	x 2 =	0.00
FAC species	50.00	x 3 =	150.00
FACU species	60.00	x 4 =	240.00
UPL species	0.00	x 5 =	0.00
Column Totals:	110.00 (A)		390.00 (B)

Prevalence Index = B/A = 3.55

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W1-1U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 3/2	100					LS	
10-16	10YR 4/3	100					LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W1-1W

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Populus tremuloides*	30	Y	FAC
2. *Fraxinus pennsylvanica*	10	Y	FACW
3.			
4.			
5.			
	40 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15)			
1. *Cornus racemosa*	20	Y	FAC
2.			
3.			
4.			
5.			
	20 = Total Cover		
Herb Stratum (Plot size: 5)			
1. *Typha latifolia*	30	Y	OBL
2. *Carex lacustris*	20	Y	OBL
3. *Solidago canadensis*	10	N	FACU
4. *Onoclea sensibilis*	10	N	FACW
5.			
6.			
7.			
8.			
9.			
10.			
	70 = Total Cover		
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
	_____ = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	50.00	x 1 =	50.00
FACW species	20.00	x 2 =	40.00
FAC species	50.00	x 3 =	150.00
FACU species	10.00	x 4 =	40.00
UPL species	0.00	x 5 =	0.00
Column Totals:	130.00 (A)		280.00 (B)

Prevalence Index = B/A = 2.15

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

✓ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W1-1W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 2/1	100					LS	
10-15	10YR 4/1	95	10YR 4/6	5			LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ✓ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 6

Wetland Hydrology Present? Yes ✓ **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W1-2U

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Quercus rubra*	20	Y	FACU
2. *Quercus alba*	20	Y	FACU
3.			
4.			
5.			
	40	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Rhamnus cathartica*	20	Y	FAC
2. *Lonicera tatarica*	10	Y	FACU
3. *Cornus racemosa*	10	Y	FAC
4.			
5.			
	40	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Solidago canadensis*	20	Y	FACU
2. *Galium boreale*	10	Y	FAC
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	30	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1. ***Vitis riparia***	5	Y	FACW
2.			
	5	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	5.00	x 2 =	10.00
FAC species	40.00	x 3 =	120.00
FACU species	70.00	x 4 =	280.00
UPL species	0.00	x 5 =	0.00
Column Totals:	115.00 (A)		410.00 (B)

Prevalence Index = B/A = 3.57

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W1-2U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 3/2	100					LS	
8-15	10YR 5/4	100					LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W1-2W

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓	No _____	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Quercus alba*	10	Y	FACU
2. *Fraxinus pennsylvanica*	10	Y	FACW
3.			
4.			
5.			
	20	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Rhamnus cathartica*	30	Y	FAC
2. *Cornus racemosa*	20	Y	FAC
3.			
4.			
5.			
	50	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Typha latifolia*	20	Y	OBL
2. *Onoclea sensibilis*	10	Y	FACW
3. *Solidago canadensis*	10	Y	FACU
4. *Carex lacustris*	10	Y	OBL
5.			
6.			
7.			
8.			
9.			
10.			
	50	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	30.00	x 1 =	30.00
FACW species	20.00	x 2 =	40.00
FAC species	50.00	x 3 =	150.00
FACU species	20.00	x 4 =	80.00
UPL species	0.00	x 5 =	0.00
Column Totals:	120.00 (A)		300.00 (B)

Prevalence Index = B/A = 2.5

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

✓ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W1-2W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 2/1	100					LS	
8-16	10YR 4/1	95	10YR 4/6	5			LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ✓ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 8

Wetland Hydrology Present? Yes ✓ **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W2-1U

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 0-2 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Cornus racemosa*	10	Y	FAC
2.			
3.			
4.			
5.			
	10	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Solidago canadensis*	20	Y	FACU
2. *Dactylis glomerata*	20	Y	FACU
3. *Rudbeckia hirta*	10	Y	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	50	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1. ***Vitis riparia***	5	Y	FACW
2.			
	5	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 40.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	5.00	x 2 =	10.00
FAC species	10.00	x 3 =	30.00
FACU species	50.00	x 4 =	200.00
UPL species	0.00	x 5 =	0.00
Column Totals:	65.00 (A)		240.00 (B)

Prevalence Index = B/A = 3.69

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W2-1U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 3/1	100					LS	
10-18	10YR 4/3	100					LCOS	
12-16	10YR 4/1	100					LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: W2-1W

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 0-2 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓	No _____	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Salix interior*	40	Y	FACW
2. *Fraxinus pennsylvanica*	5	N	FACW
3.			
4.			
5.			
	45	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Salix interior*	30	Y	FACW
2.			
3.			
4.			
5.			
	30	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Typha latifolia*	20	Y	OBL
2. *Carex lacustris*	10	Y	OBL
3. *Onoclea sensibilis*	10	Y	FACW
4. *Lycopus americanus*	10	Y	OBL
5.			
6.			
7.			
8.			
9.			
10.			
	50	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	40.00	x 1 =	40.00
FACW species	85.00	x 2 =	170.00
FAC species	0.00	x 3 =	0.00
FACU species	0.00	x 4 =	0.00
UPL species	0.00	x 5 =	0.00
Column Totals:	125.00 (A)		210.00 (B)

Prevalence Index = B/A = 1.68

Hydrophytic Vegetation Indicators:

✓ 1 - Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

✓ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: W2-1W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 2/1	100					LS	
6-12	10YR 4/1	95	10YR 4/6	5			LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ✓ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ **No** ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✓ Geomorphic Position (D2)
- ✓ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 8

Wetland Hydrology Present? Yes ✓ **No** ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Standing water in middle of wetland.

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: SA-1

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 3-7 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Populus deltoides*	20	Y	FAC
2.			
3.			
4.			
5.			
	20 = Total Cover		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
Herb Stratum (Plot size: 5)			
1. *Poa pratensis*	20	Y	FAC
2. *Digitaria ischaemum*	20	Y	FACU
3. *Ambrosia artemisiifolia*	10	N	FACU
4. *Taraxacum officinale*	5	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
	55 = Total Cover		
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 66.67 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	0.00	x 2 =	0.00
FAC species	40.00	x 3 =	120.00
FACU species	35.00	x 4 =	140.00
UPL species	0.00	x 5 =	0.00
Column Totals:	75.00 (A)		260.00 (B)

Prevalence Index = B/A = 3.47

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

✓ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: SA-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 2/1	100					LS	
6-16	10YR 3/1	100					LS	
16-24	10YR 4/4	100					LCOS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Lord of Life Church City/County: Anoka/Anoka Sampling Date: 2022-07-19

Applicant/Owner: Presbyterian Homes State: MN Sampling Point: SA-2

Investigator(s): Scott Thelen Section, Township, Range: S25, T32N, R25W

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave

Slope (%): 0-2 Lat: 45.235996 Long: -93.401184 Datum: WGS84

Soil Map Unit Name: Nymore, loamy sand NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15)			
1. *Rubus idaeus*	10	Y	FACU
2.			
3.			
4.			
5.			
	10	= Total Cover	
Herb Stratum (Plot size: 5)			
1. *Bromus inermis*	60	Y	FACU
2. *Asclepias syriaca*	10	N	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	70	= Total Cover	
Woody Vine Stratum (Plot size: 30)			
1.			
2.			
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0.00	x 1 =	0.00
FACW species	0.00	x 2 =	0.00
FAC species	0.00	x 3 =	0.00
FACU species	80.00	x 4 =	320.00
UPL species	0.00	x 5 =	0.00
Column Totals:	80.00 (A)		320.00 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: SA-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 3/3	100					LS	
4-16	10YR 5/4	100					LS	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

APPENDIX B

Wetland Boundary Applications

Project Name and/or Number:

PART ONE: Applicant Information

If applicant is an entity (company, government entity, partnership, etc.), an authorized contact person must be identified. If the applicant is using an agent (consultant, lawyer, or other third party) and has authorized them to act on their behalf, the agent's contact information must also be provided.

Applicant/Landowner Name: Presbyterian Homes & Services and Senior Housing Partners, 553
Mailing Address: 2823 Hamline Avenue N, Roseville, MN 55113
Phone: 651.383.5689
E-mail Address: jfletcher@seniorpartners.com

Authorized Contact (do not complete if same as above): Pinnacle Engineering, Inc.
Mailing Address: 11541 95th Avenue North, Maple Grove, MN 55369
Phone: 612-432-5590
E-mail Address: sthelen@pineng.com

Agent Name: Scott Thelen
Mailing Address: 11541 95th Avenue North, Maple Grove, MN 55369
Phone: 612.432.5590
E-mail Address: sthelen@pineng.com

PART TWO: Site Location Information

County: Anoka County **City/Township:** Ramsey
Parcel ID and/or Address: 25-32-25-24-0059
Legal Description (Section, Township, Range): Section 25, Township 32N, Range 25W
Lat/Long (decimal degrees): Lat: 45.235659°, Long: -93.403106°
Attach a map showing the location of the site in relation to local streets, roads, highways.
Approximate size of site (acres) or if a linear project, length (feet): 35.5 acre

If you know that your proposal will require an individual Permit from the U.S. Army Corps of Engineers, you must provide the names and addresses of all property owners adjacent to the project site. This information may be provided by attaching a list to your application or by using block 25 of the Application for Department of the Army permit which can be obtained at:

http://www.mvp.usace.army.mil/Portals/57/docs/regulatory/RegulatoryDocs/engform_4345_2012oct.pdf

PART THREE: General Project/Site Information

If this application is related to a delineation approval, exemption determination, jurisdictional determination, or other correspondence submitted ***prior to*** this application then describe that here and provide the Corps of Engineers project number.

Describe the project that is being proposed, the project purpose and need, and schedule for implementation and completion. The project description must fully describe the nature and scope of the proposed activity including a description of all project elements that effect aquatic resources (wetland, lake, tributary, etc.) and must also include plans and cross section or profile drawings showing the location, character, and dimensions of all proposed activities and aquatic resource impacts.

Potential grounds improvement project.

Project Name and/or Number:

PART FOUR: Aquatic Resource Impact[1] Summary

If your proposed project involves a direct or indirect impact to an aquatic resource (wetland, lake, tributary, etc.) identify each impact in the table below. Include all anticipated impacts, including those expected to be temporary. Attach an overhead view map, aerial photo, and/or drawing showing all of the aquatic resources in the project area and the location(s) of the proposed impacts. Label each aquatic resource on the map with a reference number or letter and identify the impacts in the following table.

Aquatic Resource ID (as noted on overhead view)	**Aquatic Resource Type** (wetland, lake, tributary etc.)	**Type of Impact** (fill, excavate, drain, or remove vegetation)	**Duration of Impact** Permanent (P) or Temporary (T)[1]	**Size of Impact**[2]	**Overall Size of Aquatic Resource** [3]	**Existing Plant Community Type(s)** in Impact Area[4]	**County, Major Watershed #, and Bank Service Area #** of Impact Area[5]

[1]If impacts are temporary; enter the duration of the impacts in days next to the "T". For example, a project with a temporary access fill that would be removed after 220 days would be entered "T (220)".
[2]Impacts less than 0.01 acre should be reported in square feet. Impacts 0.01 acre or greater should be reported as acres and rounded to the nearest 0.01 acre. Tributary impacts must be reported in linear feet of impact and an area of impact by indicating first the linear feet of impact along the flowline of the stream followed by the area impact in parentheses). For example, a project that impacts 50 feet of a stream that is 6 feet wide would be reported as 50 ft (300 square feet).
[3]This is generally only applicable if you are applying for a de minimis exemption under MN Rules 8420.0420 Subp. 8, otherwise enter "N/A".
[4]Use *Wetland Plants and Plant Community Types of Minnesota and Wisconsin* 3rd Ed. as modified in MN Rules 8420.0405 Subp. 2.
[5]Refer to Major Watershed and Bank Service Area maps in MN Rules 8420.0522 Subp. 7.

If any of the above identified impacts have already occurred, identify which impacts they are, and the circumstances associated with each:

PART FIVE: Applicant Signature

☐ Check here if you are requesting a pre-application consultation with the Corps and LGU based on the information you have provided. Regulatory entities will not initiate a formal application review if this box is checked.

By signature below, I attest that the information in this application is complete and accurate. I further attest that I possess the authority to undertake the work described herein.

Signature: _____ July 26, 2022

I hereby authorize _____ to act on my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this application.

[1] The term "impact" as used in this joint application form is a generic term used for disclosure purposes to identify activities that may require approval from one or more regulatory agencies. For purposes of this form it is not meant to indicate whether or not those activities may require mitigation/replacement.

Project Name and/or Number:

Attachment A
Request for Delineation Review, Wetland Type Determination, or Jurisdictional Determination

By submission of the enclosed wetland delineation report, I am requesting that the U.S. Army Corps of Engineers, St. Paul District (Corps) and/or the Wetland Conservation Act Local Government Unit (LGU) provide me with the following (check all that apply):

☐ **Wetland Type Confirmation**

☒ **Delineation Concurrence**. Concurrence with a delineation is a written notification from the Corps and a decision from the LGU concurring, not concurring, or commenting on the boundaries of the aquatic resources delineated on the property. Delineation concurrences are generally valid for five years unless site conditions change. Under this request alone, the Corps will not address the jurisdictional status of the aquatic resources on the property, only the boundaries of the resources within the review area (including wetlands, tributaries, lakes, etc.).

☐ **Preliminary Jurisdictional Determination**. A preliminary jurisdictional determination (PJD) is a non-binding written indication from the Corps that waters, including wetlands, identified on a parcel may be waters of the United States. For purposes of computation of impacts and compensatory mitigation requirements, a permit decision made on the basis of a PJD will treat all waters and wetlands in the review area as if they are jurisdictional waters of the U.S. PJDs are advisory in nature and may not be appealed.

☐ **Approved Jurisdictional Determination**. An approved jurisdictional determination (AJD) is an official Corps determination that jurisdictional waters of the United States are either present or absent on the property. AJDs can generally be relied upon by the affected party for five years. An AJD may be appealed through the Corps administrative appeal process.

In order for the Corps and LGU to process your request, the wetland delineation must be prepared in accordance with the 1987 Corps of Engineers Wetland Delineation Manual, any approved Regional Supplements to the 1987 Manual, and the *Guidelines for Submitting Wetland Delineations in Minnesota* (2013).
http://www.mvp.usace.army.mil/Missions/Regulatory/DelineationJDGuidance.aspx

Lower Rum River WMO

Permit # _____

APPLICATION FOR MINNESOTA WETLAND CONSERVATION ACT (WCA) DECISIONS AND PROCEDURE REQUIREMENTS

A $75.00 LRRWMO initial application fee and the appropriate escrow deposits (determined in accordance with Attachment W3) must accompany this permit application for any Wetland Conservation Act (WCA) decisions. These are separate and in addition to permit and escrow fees for Grading, Stormwater Management, and Erosion/Sediment Control permit application, if applicable.

Permits are to be processed at the same time as the site plan, preliminary plat or other city land use or building application submitted to the city in which the work or project is located.

Wetland permit processing takes longer than other permit processing. The permit application and supporting documentation should be submitted to the LRRWMO AT LEAST 60 DAYS PRIOR TO THE REGULARLY SCHEDULED MONTHLY LRRWMO MEETING AT WHICH A DECISION IS REQUESTED. A PERMIT NUMBER WILL NOT BE ASSIGNED UNTIL CITY AUTHORIZATION IS RECEIVED.

Project Name: Presbyterian Homes & Services and Senior Housing Partners/Lord of Life Lutheran Church

Address/Location: 14501 Nowthen Blvd. NW, Ramsey, Anoka County, Minnesota

Project Description/Purpose: Potential grounds improvement project.

Lord of Life Lutheran Church	Jon Fletcher Presbyterian Homes & Services and Senior Housing Partners
Name of Applicant (Site Owner or Property Owner)	**Applicant's Contact Organization Name**
14501 Nowthen Blvd	2823 Hamline Avenue N,
Address	**Address**
Ramsey, MN 55303	Roseville, MN 55113
City, State, Zip	**City, State, Zip**
	651.383.5689
Phone Fax	**Phone Fax**
	jfletcher@seniorpartners.com
Email	**Email**

Submittal Requirements

Complete applications are to be submitted as per LRRWMO attachments W1 (Permit Requirements), W2 (Office Procedure), and W3 (Fees, Deposit, and Sureties for Wetland Conservation Act) included with this application. Projects may also require a LRRWMO Grading, Stormwater Management, and Erosion/Sediment Control Permit (separate application and fee/escrow amounts)

PROJECT SUBMITTALS (check all that apply):

- [X] **WETLAND BOUNDARY DELINEATION AND TYPE CONCURRENCE**
- [ ] **REQUEST FOR NO LOSS OR EXEMPTION UNDER THE WETLAND CONSERVATION ACT (WCA)**
- [ ] **WETLAND REPLACEMENT PLAN AND/OR SEQUENCING**
- [ ] **WETLAND BANKING PLAN**
- [ ] **OTHER**

Lower Rum River WMO

START OF PROJECT: _____ EST. COMPLETION DATE: _____ APPROVAL DATE: _____

By signing this Permit Application, the undersigned consents and agrees on behalf of the Applicant that:

1. The permit application fee is non-refundable. Escrow deposits will be held by the LRRWMO until the project has been completed and all conditions of issuance of the permit are satisfied. The Applicant is responsible for all expenses incurred by the LRRWMO in the processing, administration and enforcement of the permit application and permit. The escrow deposit will be used to reimburse the LRRWMO for all expenses incurred by the LRRWMO in processing, administering and enforcing the permit application and permit, including engineering, legal and other consultant costs. If such expenses exceed the escrow deposit, the LRRWMO will bill the Applicant or Permittee for such excess amount and payment will be due within twenty (20) days of mailing the invoice. Timely payment of such invoices is a condition of all permits and work may be stopped on the project for failure to make payments when due.
2. The undersigned, its agents, principal, assigns and/or representatives (hereinafter "Permittee") shall abide by all the standard conditions and special terms and conditions of the LRRWMO.
3. Any work that violates the terms of the permit may result in the LRRWMO or the City in which the work is being done immediately causing the work on the project relating to the permit to cease and desist. All work on the project shall cease until the permit conditions are met and approved by the LRRWMO and/or the City in which the work is being done.
4. The Permittee agrees to be bound by the terms of the LRRWMO permit requirements, final permit, standard conditions, and special conditions required by the LRRWMO for approval of the permit. The undersigned has the authority to bind the permit holder, the owner of the property and/or any entity performing work on the property pursuant to the terms of LRRWMO permit, and shall be responsible for complying with terms of the LRRWMO permit.

"I certify that I have thoroughly read and understand the above information."

Signature of property owner or designated Agent (no agent without a letter of authority)	Date	Signature of applicant if different from property owner	Date
Print Signer's name		Print Signer's name	

Application Acknowledged by City:

Name of City Official	City	Date

SIGNATURE OF LRRWMO CHAIRMAN: **

NOTE: Subject to conditions as designated in the WCA Notice of Decision as recommended by the Technical Evaluation Panel and Barr Engineering (see attached)

PERMIT IS NOT VALID IF PROJECT HAS NOT STARTED WITHIN ONE YEAR FROM DATE OF APPROVAL

LRRWMO Attachment W1

PERMIT REQUIREMENTS

APPLICATION DEADLINE: Third Thursday of the month for consideration at the following regularly scheduled monthly LRRWMO board meeting on third Thursday of month.

REQUIRED SUBMITTALS:

1. Completed Permit Application Form (attached)
2. $75 LRRWMO initial application fee plus an escrow deposit determined in accordance with Attachment W3 for any Wetland Conservation Act (WCA) decisions.
3. Wetland Permitting Information
   a. The permit applicant is responsible for ensuring wetland applications are in complete compliance with the Wetland Conservation Act of 1991 and applicable documentation is provided as listed on the Minnesota Board of Water and Soil Resources (BWSR) website:

      http://www.bwsr.state.mn.us/.

      Permit applicants shall refer to the BWSR website for sample application forms and check lists. These forms will be used for reviewing wetland applications. Failure to provide a complete application will result in delays in permit review.

   b. When working near DNR public waters, applicants shall submit information indicating the OHW (ordinary high water) level and the wetland boundary according to the WCA of 1991. Availability of OHW information is available from the MDNR Area Hydrologist. When working in DNR Public Waters, an online Minnesota DNR Permitting and Reporting System (MPARS) application may also be required by the DNR.

SUBMITTAL NOTES:

- Permit applicants shall submit the attached Joint Application Form for Activities Affecting Water Resources in Minnesota (Attachment W4).
- Failure to fully follow the application requirements of the Wetland Conservation Act will result in delays in permit review.
- Applicants can expect a 60-day review period provided all applicable materials have been submitted and reviews are completed within the growing season, if applicable.

Lower Rum River WMO

LRRWMO Attachment W2

OFFICE PROCEDURE

Procedure to Accept LRRWMO Permit:

1. Complete LRRWMO Permit Application for Minnesota Wetland Conservation Act (WCA) Decisions and Procedure Requirements form. Requires signature of acknowledgement from City official prior to submittal to LRRWMO. For appropriate City contact information refer to the LRRWMO website at www.lrrwmo.org/
   NOTE: See "PROJECT SUBMITTALS" section of Application

2. Submit Application, $75 initial application fee plus an escrow deposit* in accordance with LRRWMO Attachment W3 for Wetland Conservation Act applications, as applicable, payable to the Lower Rum River WMO, and one (1) set of plan submittals (electronic) to:

   Lower Rum River WMO
   City of Anoka
   2015 First Street N.
   Anoka, MN 55303
   763-576-2773

   (This set of plans is for LRRWMO file copy) **escrow deposits: The LRRWMO costs related to the project will be charged to permit escrow fund. Funds remaining in the permit escrow account when the project is closed will be returned to the applicant.*

3. Forward electronic copy of Application and associated submittals to:

   Karen Wold
   Barr Engineering Co.
   kwold@barr.com

4. Wetland permit decisions are usually made within 60 days from receipt of a complete application.

Procedure to Request Return of Permit Fund Balance:

1. When project reaches status of 100% completion (as contained in Quarterly Report), the respective City prepares a written request to LRRWMO for return of escrow deposit balance with copy to Anoka's Finance Department. The request must be submitted prior to the third Thursday of each month to meet the next month regular meeting agenda deadline.

Lower Rum River WMO

LRRWMO ATTACHMENT W3

Fees, Deposit and Sureties for Wetland Conservation Act (WCA) Applications

Updated ***April 2011***

FEES

Activity		**Fee**
Initial WCA Application Fee		***$75***
Office and Field Review of Wetland Boundary Delineation or Type Determination (Applicant is responsible for submitting a complete Wetland Delineation Report, according to BWSR guidance).	Evaluation Area < 10 acres and less than 3 wetlands being evaluated	$1,000 ***Escrow***
	Evaluation Area < 100 acres and < 6 wetlands being evaluated	$1,500 ***Escrow***
	Evaluation Area =/> 100 acres and/or =/> 6 wetlands being evaluated	$2,000 ***Escrow***
Review of WCA exemptions and No Loss requests.		$1,000 ***Escrow***
Review of Wetland ***Replacement Plans*** (needed for all projects requiring replacement for wetland impacts).		$1,000 ***Escrow*** plus $100/acre of wetland plus $5,000/acre of wetland impact plus $5,000 for mitigation monitoring review
Creating a Wetland Bank		$15,000

Note: escrow amounts are cumulative if more than activity is being reviewed.

Cash Surety Deposit for Performance

For Wetland Replacement Plans:
The Permittee or owner shall provide a cash surety ***(or an automatically renewable Letter of Credit from a bank approved by the Treasurer of the LRRWMO)*** in an amount determined by the LRRWMO, so that, if needed, a third party has the funds to create, manage, and monitor the wetland replacement area should the applicant fail to comply with the required creation of the wetland mitigation site. If the Letter of Credit is not honored by the issuer, the LRRWMO may choose litigation to obtain the necessary funds or to obtain a court order to require the permittee or owner to create the wetland mitigation area. The LRRWMO will determine a cash surety ***(or letter of credit)*** amount in addition to the permit application fee and escrow deposit.

Proposed WCA LRRWMO Surety Amount

Activity	Performance Surety Amount
Wetland Replacement	***$1 per sq. ft. of mitigation with a minimum of $5,000 unless a higher or lower amount is deemed necessary by the LRRWMO.***

- The permit application, fee escrow deposit and cash surety deposit may be in one check payable to the Lower Rum River Watershed Management Organization.
- Only actual work done by the LRRWMO or its consultants will be charged against the escrow deposit or performance security.
- The performance surety may be waived if approved wetland banking credits are purchased for fulfilling the required mitigation provisions of the permit.

Joint Application Form for Activities Affecting Water Resources in Minnesota

This joint application form is the accepted means for initiating review of proposals that may affect a water resource (wetland, tributary, lake, etc.) in the State of Minnesota under state and federal regulatory programs. Applicants for Minnesota Department of Natural Resources (DNR) Public Waters permits **MUST** use the MPARS online permitting system for submitting applications to the DNR. Applicants can use the information entered into MPARS to substitute for completing parts of this joint application form (see the paragraph on MPARS at the end of the joint application form instructions for additional information). This form is only applicable to the water resource aspects of proposed projects under state and federal regulatory programs; other local applications and approvals may be required. Depending on the nature of the project and the location and type of water resources impacted, multiple authorizations may be required as different regulatory programs have different types of jurisdiction over different types of resources.

Regulatory Review Structure

Federal

The St. Paul District of the U.S. Army Corps of Engineers (Corps) is the federal agency that regulates discharges of dredged or fill material into waters of the United States (wetlands, tributaries, lakes, etc.) under Section 404 of the Clean Water Act (CWA) and regulates work in navigable waters under Section 10 of the Rivers and Harbors Act. Applications are assigned to Corps project managers who are responsible for implementing the Corps regulatory program within a particular geographic area.

State

There are three state regulatory programs that regulate activities affecting water resources. The Wetland Conservation Act (WCA) regulates most activities affecting wetlands. It is administered by local government units (LGUs) which can be counties, townships, cities, watershed districts, watershed management organizations or state agencies (on state-owned land). The Minnesota DNR Division of Ecological and Water Resources issues permits for work in specially-designated public waters via the Public Waters Work Permit Program (DNR Public Waters Permits). The Minnesota Pollution Control Agency (MPCA) under Section 401 of the Clean Water Act certifies that discharges of dredged or fill material authorized by a federal permit or license comply with state water quality standards. One or more of these regulatory programs may be applicable to any one project.

Required Information

Prior to submitting an application, applicants are **strongly encouraged** to seek input from the Corps Project Manager and LGU staff to identify regulatory issues and required application materials for their proposed project. Project proponents can request a pre-application consultation with the Corps and LGU to discuss their proposed project by providing the information required in Sections 1 through 5 of this joint application form to facilitate a meaningful discussion about their project. Many LGUs provide a venue (such as regularly scheduled technical evaluation panel meetings) for potential applicants to discuss their projects with multiple agencies prior to submitting an application. Contact information is provided below.

The following bullets outline the information generally required for several common types of determinations/authorizations.

- For delineation approvals and/or jurisdictional determinations, submit Parts 1, 2 and 5, and Attachment A.
- For activities involving CWA/WCA exemptions, WCA no-loss determinations, and activities not requiring mitigation, submit Parts 1 through 5, and Attachment B.
- For activities requiring compensatory mitigation/replacement plan, submit Parts 1 thru 5, and Attachments C and D.
- For local road authority activities that qualify for the state's local road wetland replacement program, submit Parts 1 through 5, and Attachments C, D (if applicable), and E to both the Corps and the LGU.

Submission Instructions

Send the completed joint application form and all required attachments to:

U.S Army Corps of Engineers. Applications may be sent directly to the appropriate Corps Office. For a current listing of areas of responsibilities and contact information, visit the St. Paul District's website at: http://www.mvp.usace.army.mil/Missions/Regulatory.aspx and select "Minnesota" from the contact Information box. Alternatively, applications may be sent directly to the St. Paul District Headquarters and the Corps will forward them to the appropriate field office.

Section 401 Water Quality Certification: Applicants do not need to submit the joint application form to the MPCA unless specifically requested. The MPCA will request a copy of the completed joint application form directly from an applicant when they determine an individual 401 water quality certification is required for a proposed project.

Wetland Conservation Act Local Government Unit: Send to the appropriate Local Government Unit. If necessary, contact your county Soil and Water Conservation District (SWCD) office or visit the Board of Water and Soil Resources (BWSR) web site (www.bwsr.state.mn.us) to determine the appropriate LGU.

DNR Public Waters Permitting: In 2014 the DNR will begin using the Minnesota DNR Permitting and Reporting System (MPARS) for submission of Public Waters permit applications (https://webapps11.dnr.state.mn.us/mpars/public/authentication/login). Applicants for Public Waters permits **MUST** use the MPARS online permitting system for submitting applications to the DNR. To avoid duplication and to streamline the application process among the various resource agencies, applicants can use the information entered into MPARS to substitute for completing parts of this joint application form. The MPARS print/save function will provide the applicant with a copy of the Public Waters permit application which, at a minimum, will satisfy Parts one and two of this joint application. For certain types of activities, the MPARS application may also provide all of the necessary information required under Parts three and four of the joint application. However, it is the responsibility of the Applicant to make sure that the joint application contains all of the required information, including identification of all aquatic resources impacted by the project (see Part four of the joint application). After confirming that the MPARS application contains all of the required information in Parts one and two the Applicant may attach a copy to the joint application and fill in any missing information in the remainder of the joint application.

PART ONE: Applicant Information

If applicant is an entity (company, government entity, partnership, etc.), an authorized contact person must be identified. If the applicant is using an agent (consultant, lawyer, or other third party) and has authorized them to act on their behalf, the agent's contact information must also be provided.

Applicant/Landowner Name:
Mailing Address:
Phone:
E-mail Address:

Authorized Contact (do not complete if same as above):
Mailing Address:
Phone:
E-mail Address:

Agent Name:
Mailing Address:
Phone:
E-mail Address:

PART TWO: Site Location Information

County: **City/Township:**
Parcel ID and/or Address:
Legal Description (Section, Township, Range):
Lat/Long (decimal degrees):
Attach a map showing the location of the site in relation to local streets, roads, highways.
Approximate size of site (acres) or if a linear project, length (feet):

If you know that your proposal will require an individual Permit from the U.S. Army Corps of Engineers, you must provide the names and addresses of all property owners adjacent to the project site. This information may be provided by attaching a list to your application or by using block 25 of the Application for Department of the Army permit which can be obtained at:

http://www.mvp.usace.army.mil/Portals/57/docs/regulatory/RegulatoryDocs/engform_4345_2012oct.pdf

PART THREE: General Project/Site Information

If this application is related to a delineation approval, exemption determination, jurisdictional determination, or other correspondence submitted ***prior to*** this application then describe that here and provide the Corps of Engineers project number.

Describe the project that is being proposed, the project purpose and need, and schedule for implementation and completion. The project description must fully describe the nature and scope of the proposed activity including a description of all project elements that effect aquatic resources (wetland, lake, tributary, etc.) and must also include plans and cross section or profile drawings showing the location, character, and dimensions of all proposed activities and aquatic resource impacts.

Project Name and/or Number:

PART FOUR: Aquatic Resource Impact[1] Summary

If your proposed project involves a direct or indirect impact to an aquatic resource (wetland, lake, tributary, etc.) identify each impact in the table below. Include all anticipated impacts, including those expected to be temporary. Attach an overhead view map, aerial photo, and/or drawing showing all of the aquatic resources in the project area and the location(s) of the proposed impacts. Label each aquatic resource on the map with a reference number or letter and identify the impacts in the following table.

Aquatic Resource ID (as noted on overhead view)	**Aquatic Resource Type** (wetland, lake, tributary etc.)	**Type of Impact** (fill, excavate, drain, or remove vegetation)	**Duration of Impact** Permanent (P) or Temporary (T)[1]	**Size of Impact**[2]	**Overall Size of Aquatic Resource** [3]	**Existing Plant Community Type(s)** in Impact Area[4]	**County, Major Watershed #, and Bank Service Area #** of Impact Area[5]

[1]If impacts are temporary; enter the duration of the impacts in days next to the "T". For example, a project with a temporary access fill that would be removed after 220 days would be entered "T (220)".
[2]Impacts less than 0.01 acre should be reported in square feet. Impacts 0.01 acre or greater should be reported as acres and rounded to the nearest 0.01 acre. Tributary impacts must be reported in linear feet of impact and an area of impact by indicating first the linear feet of impact along the flowline of the stream followed by the area impact in parentheses). For example, a project that impacts 50 feet of a stream that is 6 feet wide would be reported as 50 ft (300 square feet).
[3]This is generally only applicable if you are applying for a de minimis exemption under MN Rules 8420.0420 Subp. 8, otherwise enter "N/A".
[4]Use *Wetland Plants and Plant Community Types of Minnesota and Wisconsin* 3rd Ed. as modified in MN Rules 8420.0405 Subp. 2.
[5]Refer to Major Watershed and Bank Service Area maps in MN Rules 8420.0522 Subp. 7.

If any of the above identified impacts have already occurred, identify which impacts they are and the circumstances associated with each:

PART FIVE: Applicant Signature

☐ Check here if you are requesting a pre-application consultation with the Corps and LGU based on the information you have provided. Regulatory entities will not initiate a formal application review if this box is checked.

By signature below, I attest that the information in this application is complete and accurate. I further attest that I possess the authority to undertake the work described herein.

Signature: _____ Date:

I hereby authorize to act on my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this application.

[1] **The term "impact" as used in this joint application form is a generic term used for disclosure purposes to identify activities that may require approval from one or more regulatory agencies. For purposes of this form it is not meant to indicate whether or not those activities may require mitigation/replacement.**

Project Name and/or Number:

Attachment A
Request for Delineation Review, Wetland Type Determination, or Jurisdictional Determination

By submission of the enclosed wetland delineation report, I am requesting that the U.S. Army Corps of Engineers, St. Paul District (Corps) and/or the Wetland Conservation Act Local Government Unit (LGU) provide me with the following (check all that apply):

☐ **Wetland Type Confirmation**

☐ **Delineation Concurrence**. Concurrence with a delineation is a written notification from the Corps and a decision from the LGU concurring, not concurring, or commenting on the boundaries of the aquatic resources delineated on the property. Delineation concurrences are generally valid for five years unless site conditions change. Under this request alone, the Corps will not address the jurisdictional status of the aquatic resources on the property, only the boundaries of the resources within the review area (including wetlands, tributaries, lakes, etc.).

☐ **Preliminary Jurisdictional Determination**. A preliminary jurisdictional determination (PJD) is a non-binding written indication from the Corps that waters, including wetlands, identified on a parcel may be waters of the United States. For purposes of computation of impacts and compensatory mitigation requirements, a permit decision made on the basis of a PJD will treat all waters and wetlands in the review area as if they are jurisdictional waters of the U.S. PJDs are advisory in nature and may not be appealed.

☐ **Approved Jurisdictional Determination**. An approved jurisdictional determination (AJD) is an official Corps determination that jurisdictional waters of the United States are either present or absent on the property. AJDs can generally be relied upon by the affected party for five years. An AJD may be appealed through the Corps administrative appeal process.

In order for the Corps and LGU to process your request, the wetland delineation must be prepared in accordance with the 1987 Corps of Engineers Wetland Delineation Manual, any approved Regional Supplements to the 1987 Manual, and the *Guidelines for Submitting Wetland Delineations in Minnesota* (2013).
http://www.mvp.usace.army.mil/Missions/Regulatory/DelineationJDGuidance.aspx

Project Name and/or Number:

Attachment B
Supporting Information for Applications Involving Exemptions, No Loss Determinations, and Activities Not Requiring Mitigation

Complete this part ***if*** you maintain that the identified aquatic resource impacts in Part Four do not require wetland replacement/compensatory mitigation OR ***if*** you are seeking verification that the proposed water resource impacts are either exempt from replacement or are not under CWA/WCA jurisdiction.

Identify the specific exemption or no-loss provision for which you believe your project or site qualifies:

Provide a detailed explanation of how your project or site qualifies for the above. Be specific and provide and refer to attachments and exhibits that support your contention. Applicants should refer to rules (e.g. WCA rules), guidance documents (e.g. BWSR guidance, Corps guidance letters/public notices), and permit conditions (e.g. Corps General Permit conditions) to determine the necessary information to support the application. Applicants are strongly encouraged to contact the WCA LGU and Corps Project Manager prior to submitting an application if they are unsure of what type of information to provide:

Attachment C
Avoidance and Minimization

Project Purpose, Need, and Requirements. Clearly state the purpose of your project and need for your project. Also include a description of any specific requirements of the project as they relate to project location, project footprint, water management, and any other applicable requirements. Attach an overhead plan sheet showing all relevant features of the project (buildings, roads, etc.), aquatic resource features (impact areas noted) and construction details (grading plans, storm water management plans, etc.), referencing these as necessary:

Avoidance. Both the CWA and the WCA require that impacts to aquatic resources be avoided if practicable alternatives exist. Clearly describe all on-site measures considered to avoid impacts to aquatic resources and discuss at least two project alternatives that avoid all impacts to aquatic resources on the site. These alternatives may include alternative site plans, alternate sites, and/or not doing the project. Alternatives should be feasible and prudent (see MN Rules 8420.0520 Subp. 2 C). Applicants are encouraged to attach drawings and plans to support their analysis:

Minimization. Both the CWA and the WCA require that all unavoidable impacts to aquatic resources be minimized to the greatest extent practicable. Discuss all features of the proposed project that have been modified to minimize the impacts to water resources (see MN Rules 8420.0520 Subp. 4):

Off-Site Alternatives. An off-site alternatives analysis is not required for all permit applications. If you know that your proposal will require an individual permit (standard permit or letter of permission) from the U.S. Army Corps of Engineers, you may be required to provide an off-site alternatives analysis. The alternatives analysis is not required for a complete application but must be provided during the review process in order for the Corps to complete the evaluation of your application and reach a final decision. Applicants with questions about when an off-site alternatives analysis is required should contact their Corps Project Manager.

Project Name and/or Number:

Attachment D
Replacement/Compensatory Mitigation

Complete this part ***if*** your application involves wetland replacement/compensatory mitigation not associated with the local road wetland replacement program. Applicants should consult Corps mitigation guidelines and WCA rules for requirements.

Replacement/Compensatory Mitigation via Wetland Banking. Complete this section if you are proposing to use credits from an existing wetland bank (with an account number in the State wetland banking system) for all or part of your replacement/compensatory mitigation requirements.

Wetland Bank Account #	**County**	**Major Watershed #**	**Bank Service Area #**	**Credit Type** (if applicable)	**Number of Credits**

Applicants should attach documentation indicating that they have contacted the wetland bank account owner and reached at least a tentative agreement to utilize the identified credits for the project. This documentation could be a signed purchase agreement, signed application for withdrawal of credits or some other correspondence indicating an agreement between the applicant and the bank owner. *However, applicants are advised not to enter into a binding agreement to purchase credits until the mitigation plan is approved by the Corps and LGU.*

Project-Specific Replacement/Permittee Responsible Mitigation. Complete this section if you are proposing to pursue actions (restoration, creation, preservation, etc.) to generate wetland replacement/compensatory mitigation credits for this proposed project.

WCA Action Eligible for Credit[1]	**Corps Mitigation Compensation Technique**[2]	**Acres**	**Credit % Requested**	**Credits Anticipated**[3]	**County**	**Major Watershed #**	**Bank Service Area #**

[1]Refer to the name and subpart number in MN Rule 8420.0526.
[2]Refer to the technique listed in *St. Paul District Policy for Wetland Compensatory Mitigation in Minnesota*.
[3]If WCA and Corps crediting differs, then enter both numbers and distinguish which is Corps and which is WCA.

Explain how each proposed action or technique will be completed (e.g. wetland hydrology will be restored by breaking the tile……) and how the proposal meets the crediting criteria associated with it. Applicants should refer to the Corps mitigation policy language, WCA rule language, and all associated Corps and WCA guidance related to the action or technique:

Attach a site location map, soils map, recent aerial photograph, and any other maps to show the location and other relevant features of each wetland replacement/mitigation site. Discuss in detail existing vegetation, existing landscape features, land use (on and surrounding the site), existing soils, drainage systems (if present), and water sources and movement. Include a topographic map showing key features related to hydrology and water flow (inlets, outlets, ditches, pumps, etc.):

Project Name and/or Number:

Attach a map of the existing aquatic resources, associated delineation report, and any documentation of regulatory review or approval. Discuss as necessary:

For actions involving construction activities, attach construction plans and specifications with all relevant details. Discuss and provide documentation of a hydrologic and hydraulic analysis of the site to define existing conditions, predict project outcomes, identify specific project performance standards and avoid adverse offsite impacts. Plans and specifications should be prepared by a licensed engineer following standard engineering practices. Discuss anticipated construction sequence and timing:

For projects involving vegetation restoration, provide a vegetation establishment plan that includes information on site preparation, seed mixes and plant materials, seeding/planting plan (attach seeding/planting zone map), planting/seeding methods, vegetation maintenance, and an anticipated schedule of activities:

For projects involving construction or vegetation restoration, identify and discuss goals and specific outcomes that can be determined for credit allocation. Provide a proposed credit allocation table tied to outcomes:

Provide a five-year monitoring plan to address project outcomes and credit allocation:

Discuss and provide evidence of ownership or rights to conduct wetland replacement/mitigation on each site:

Quantify all proposed wetland credits and compare to wetland impacts to identify a proposed wetland replacement ratio. Discuss how this replacement ratio is consistent with Corps and WCA requirements:

By signature below, the applicant attests to the following (only required if application involves project-specific/permittee responsible replacement):

- All proposed replacement wetlands were not:
  - Previously restored or created under a prior approved replacement plan or permit
  - Drained or filled under an exemption during the previous 10 years
  - Restored with financial assistance from public conservation programs
  - Restored using private funds, other than landowner funds, unless the funds are paid back with interest to the individual or organization that funded the restoration and the individual or organization notifies the local government unit in writing that the restored wetland may be considered for replacement.
- The wetland will be replaced before or concurrent with the actual draining or filling of a wetland.
- An irrevocable bank letter of credit, performance bond, or other acceptable security will be provided to guarantee successful completion of the wetland replacement.
- Within 30 days of either receiving approval of this application or beginning work on the project, I will record the Declaration of Restrictions and Covenants on the deed for the property on which the replacement wetland(s) will be located and submit proof of such recording to the LGU and the Corps.

Applicant or Representative: Title:

Signature: _____ Date:

Project Name and/or Number:

Attachment E
Local Road Replacement Program Qualification

Complete this part ***if*** you are a local road authority (county highway department, city transportation department, etc.) seeking verification that your project (or a portion of your project) qualifies for the MN Local Government Road Wetland Replacement Program (LGRWRP). If portions of your project are not eligible for the LGRWRP, then Attachment D should be completed and attached to your application.

Discuss how your project is a repair, rehabilitation, reconstruction, or replacement of a currently serviceable road to meet state/federal design or safety standards/requirements. Applicants should identify the specific road deficiencies and how the project will rectify them. Attach supporting documents and information as applicable:

Provide a map, plan, and/or aerial photograph accurately depicting wetland boundaries within the project area. Attach associated delineation/determination report or otherwise explain the method(s) used to identify and delineate wetlands. Also attach and discuss any type of review or approval of wetland boundaries or other aspects of the project by a member or members of the local Technical Evaluation Panel (TEP) or Corps of Engineers:

In the table below, identify only the wetland impacts from Part 4 that the road authority has determined should qualify for the LGRWRP.

Wetland Impact ID (as noted on overhead view)	**Type of Impact** (fill, excavate, drain)	**Size of Impact** (square feet or acres to 0.01)	**Existing Plant Community Type(s)** in Impact Area[1]	**County, Major Watershed #, and Bank Service Area #** of Impact[2]

[1]Use *Wetland Plants and Plant Community Types of Minnesota and Wisconsin* 3rd Ed. as modified in MN Rules 8420.0405 Subp. 2.
[2]Refer to Major Watershed and Bank Service Area maps in MN Rules 8420.0522 Subp. 7.

Discuss the feasibility of providing onsite compensatory mitigation/replacement for important site-specific wetland functions:

Please note that under the MN Wetland Conservation Act, projects with less than 10,000 square feet of wetland impact are allowed to commence prior to submission of this notification so long as the notification is submitted within 30 days of the impact. The Clean Water Act has no such provision and requires that permits be obtained prior to any regulated discharges into water of the United States. To avoid potential unauthorized activities, road authorities must, at a minimum, provide a complete application to the Corps and receive a permit prior to commencing work.

By signature below, the road authority attests that they have followed the process in MN Rules 8420.0544 and have determined that the wetland impacts identified in Part 4 are eligible for the MN Local Government Road Wetland Replacement Program.

Road Authority Representative: Title:

Signature: _____ Date:

Technical Evaluation Panel Concurrence: Project Name and/or Number:

TEP member: Representing:

Concur with road authority's determination of qualification for the local road wetland replacement program? ☐ Yes ☐ No

Signature: _____ Date:

TEP member: Representing:

Concur with road authority's determination of qualification for the local road wetland replacement program? ☐ Yes ☐ No

Signature: _____ Date:

TEP member: Representing:

Concur with road authority's determination of qualification for the local road wetland replacement program? ☐ Yes ☐ No

Signature: _____ Date:

TEP member: Representing:

Concur with road authority's determination of qualification for the local road wetland replacement program? ☐ Yes ☐ No

Signature: _____ Date:

Upon approval and signature by the TEP, application must be sent to: **Wetland Bank Administration**
Minnesota Board of Water & Soil Resources
520 Lafayette Road North
Saint Paul, MN 55155

APPENDIX C

Wetland Photographs

View of Wetland 1 looking east.

View of Wetland 1 looking south.

Weir between wetland 1 and Wetland 2.

View of Wetland 2 looking southeast.

View of Wetland 2 looking south near sampling point.

View of Wetland 2 culvert.

View of SA-1 looking north.

View of SA-2 looking north.

Appendix C

SHPO and NHIS Correspondence

Minnesota Department of Natural Resources
Division of Ecological & Water Resources
500 Lafayette Road, Box 25
St. Paul, MN 55155-4025

July 7, 2023
Correspondence # MCE 2023-00323

Cole Kiernan
Kimley-Horn and Associates, Inc.

RE: Natural Heritage Review of the proposed Lord of Life Church Campus,
T32N R25W Section 25; Anoka County

Dear Cole Kiernan,

As requested, the Minnesota Natural Heritage Information System has been reviewed to determine if the proposed project has the potential to impact any rare species or other significant natural features. Based on the project details provided with the request, the following rare features may be impacted by the proposed project:

State-listed Species

- Blanding's turtles (*Emydoidea blandingii*), a state-listed threatened species, have been documented in the vicinity of the proposed project. Blanding's turtles use upland areas up to and over a mile distant from wetlands, waterbodies, and watercourses. Uplands are used for nesting, basking, periods of dormancy, and traveling between wetlands. Factors believed to contribute to the decline of this species include collisions with vehicles, wetland drainage and degradation, and the development of upland habitat. Any added mortality can be detrimental to populations of Blanding's turtles, as these turtles have a low reproduction rate that depends upon a high survival rate to maintain population levels.

  This project has the potential to impact this rare turtle through direct fatalities and habitat disturbance/destruction due to excavation, fill, and other construction activities associated with the project. Minnesota's Endangered Species Statute (*Minnesota Statutes*, section 84.0895) and associated Rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the take of threatened or endangered species without a permit. As such, **the following avoidance measures are required**:

- Avoid wetland and aquatic impacts during hibernation season, between September 15th and April 15th, if the area is suitable for hibernation.
- The use of erosion control blanket shall be limited to 'bio-netting' or 'natural-netting' types, and specifically not products containing plastic mesh netting or other plastic components.
    - Also, be aware that hydro-mulch products may contain small synthetic (plastic) fibers to aid in their matrix strength. These loose fibers could potentially re-suspend and make their way into Public Waters. As such, please review mulch products and do not allow any materials with synthetic (plastic) fiber additives in areas that drain into Public Waters.
- Construction areas, especially aquatic or wetland areas, should be thoroughly checked for turtles before the use of heavy equipment or any ground disturbance.
    - The Blanding's turtle flyer must be given to all contractors working in the area.
    - Monitor for turtles during construction and report any sightings to the DNR Nongame Specialist, Erica Hoaglund (Erica.Hoaglund@state.mn.us).
    - If turtles are in imminent danger they must be moved by hand out of harm's way, otherwise, they are to be left undisturbed.

If following the above avoidance measures is not possible, please contact NHIS.Review@state.mn.us as further action may be needed.

For additional information, see the Blanding's turtle fact sheet, which describes the habitat use and life history of this species. The fact sheet also provides two lists of recommendations for avoiding and minimizing impacts to this rare turtle. **Please refer to both lists of recommendations and apply those that are relevant to your project.** For further assistance regarding the Blanding's turtle, please contact the DNR Regional Nongame Specialist, Erica Hoaglund.

- The Natural Heritage Information System (NHIS) tracks bat roost trees and hibernacula plus some acoustic data, but this information is not exhaustive. Even if there are no bat records listed nearby, all seven of Minnesota's bats, including the federally endangered northern long-eared bat (*Myotis septentrionalis*), can be found throughout Minnesota. During the active season (approximately April-November) bats roost underneath bark, in cavities, or in crevices of both live and dead trees. Tree removal can negatively impact bats by destroying roosting habitat, especially during the pup rearing season when females are forming maternity roosting colonies and the pups cannot yet fly. To minimize these impacts, the DNR recommends that tree removal be avoided from June 1 through August 15.

- Please visit the DNR Rare Species Guide for more information on the habitat use of these species and recommended measures to avoid or minimize impacts. For further assistance with these species, please contact the appropriate DNR Regional Nongame Specialist or Regional Ecologist.

Federally Protected Species

- To ensure compliance with federal law, conduct a federal regulatory review using the U.S. Fish and Wildlife Service's (USFWS) online Information for Planning and Consultation (IPaC) tool.

Environmental Review and Permitting

- The Environmental Assessment Worksheet should address whether the proposed project has the potential to adversely affect the above rare features and, if so, it should identify specific measures that will be taken to avoid or minimize disturbance. Sufficient information should be provided so the DNR can determine whether a takings permit will be needed for any of the above protected species.

- Please include a copy of this letter and the MCE-generated Final Project Report in any state or local license or permit application. Please note that measures to avoid or minimize disturbance to the above rare features may be included as restrictions or conditions in any required permits or licenses.

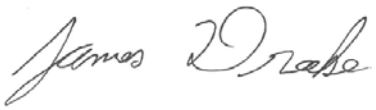
The Natural Heritage Information System (NHIS), a collection of databases that contains information about Minnesota's rare natural features, is maintained by the Division of Ecological and Water Resources, Department of Natural Resources. The NHIS is continually updated as new information becomes available, and is the most complete source of data on Minnesota's rare or otherwise significant species, native plant communities, and other natural features. However, the NHIS is not an exhaustive inventory and thus does not represent all of the occurrences of rare features within the state. Therefore, ecologically significant features for which we have no records may exist within the project area. If additional information becomes available regarding rare features in the vicinity of the project, further review may be necessary.

For environmental review purposes, the results of this Natural Heritage Review are valid for one year; the results are only valid for the project location and project description provided with the request. If project details change or the project has not occurred within one year, please resubmit the project for review within one year of initiating project activities.

The Natural Heritage Review does not constitute project approval by the Department of Natural Resources. Instead, it identifies issues regarding known occurrences of rare features and potential impacts to these rare features. Visit the Natural Heritage Review website for additional information regarding this process, survey guidance, and other related information. For information on the environmental review process or other natural resource concerns, you may contact your DNR Regional Environmental Assessment Ecologist.

Thank you for consulting us on this matter and for your interest in preserving Minnesota's rare natural resources.

Sincerely,



James Drake
Natural Heritage Review Specialist
James.F.Drake@state.mn.us

Cc: Melissa Collins

Environmental Review Fact Sheet Series

Endangered, Threatened, and Special Concern Species of Minnesota

Blanding's Turtle

(*Emydoidea blandingii*)

Minnesota Status:	Threatened	State Rank[1]:	S2
Federal Status:	none	Global Rank[1]:	G4

HABITAT USE

Blanding's turtles need both wetland and upland habitats to complete their life cycle. The types of wetlands used include ponds, marshes, shrub swamps, bogs, and ditches and streams with slow-moving water. In Minnesota, Blanding's turtles are primarily marsh and pond inhabitants. Calm, shallow water bodies (Type 1-3 wetlands) with mud bottoms and abundant aquatic vegetation (e.g., cattails, water lilies) are preferred, and extensive marshes bordering rivers provide excellent habitat. Small temporary wetlands (those that dry up in the late summer or fall) are frequently used in spring and summer -- these fishless pools are amphibian and invertebrate breeding habitat, which provides an important food source for Blanding's turtles. Also, the warmer water of these shallower areas probably aids in the development of eggs within the female turtle. Nesting occurs in open (grassy or brushy) sandy uplands, often some distance from water bodies. Frequently, nesting occurs in traditional nesting grounds on undeveloped land. Blanding's turtles have also been known to nest successfully on residential property (especially in low density housing situations), and to utilize disturbed areas such as farm fields, gardens, under power lines, and road shoulders (especially of dirt roads). Although Blanding's turtles may travel through woodlots during their seasonal movements, shady areas (including forests and lawns with shade trees) are not used for nesting. Wetlands with deeper water are needed in times of drought, and during the winter. Blanding's turtles overwinter in the muddy bottoms of deeper marshes and ponds, or other water bodies where they are protected from freezing.

LIFE HISTORY

Individuals emerge from overwintering and begin basking in late March or early April on warm, sunny days. The increase in body temperature which occurs during basking is necessary for egg development within the female turtle. Nesting in Minnesota typically occurs during June, and females are most active in late afternoon and at dusk. Nesting can occur as much as a mile from wetlands. The nest is dug by the female in an open sandy area and 6-15 eggs are laid. The female turtle returns to the marsh within 24 hours of laying eggs. After a development period of approximately two months, hatchlings leave the nest from mid-August through early-October. Nesting females and hatchlings are often at risk of being killed while crossing roads between wetlands and nesting areas. In addition to movements associated with nesting, all ages and both sexes move between wetlands from April through November. These movements peak in June and July and again in September and October as turtles move to and from overwintering sites. In late autumn (typically November), Blanding's turtles bury themselves in the substrate (the mud at the bottom) of deeper wetlands to overwinter.

IMPACTS / THREATS / CAUSES OF DECLINE

- loss of wetland habitat through drainage or flooding (converting wetlands into ponds or lakes)
- loss of upland habitat through development or conversion to agriculture
- human disturbance, including collection for the pet trade* and road kills during seasonal movements
- increase in predator populations (skunks, racoons, etc.) which prey on nests and young

*It is illegal to possess this threatened species.

RECOMMENDATIONS FOR AVOIDING AND MINIMIZING IMPACTS

These recommendations apply to typical construction projects and general land use within Blanding's turtle habitat, and are provided to help local governments, developers, contractors, and homeowners minimize or avoid detrimental impacts to Blanding's turtle populations. **List 1** describes minimum measures which we recommend to prevent harm to Blanding's turtles during construction or other work within Blanding's turtle habitat. **List 2** contains recommendations which offer even greater protection for Blanding's turtles populations; this list should be used *in addition to the first list* in areas which are known to be of state-wide importance to Blanding's turtles (contact the DNR's Natural Heritage and Nongame Research Program if you wish to determine if your project or home is in one of these areas), or in any other area where greater protection for Blanding's turtles is desired.

List 1. Recommendations for all areas inhabited by Blanding's turtles.	**List 2. *Additional* recommendations for areas known to be of state-wide importance to Blanding's turtles.**
GENERAL	
A flyer with an illustration of a Blanding's turtle should be given to all contractors working in the area. Homeowners should also be informed of the presence of Blanding's turtles in the area.	Turtle crossing signs can be installed adjacent to road-crossing areas used by Blanding's turtles to increase public awareness and reduce road kills.
Turtles which are in imminent danger should be moved, by hand, out of harms way. Turtles which are not in imminent danger should be left undisturbed.	Workers in the area should be aware that Blanding's turtles nest in June, generally after 4pm, and should be advised to minimize disturbance if turtles are seen.
If a Blanding's turtle nests in your yard, do not disturb the nest.	If you would like to provide more protection for a Blanding's turtle nest on your property, see "Protecting Blanding's Turtle Nests" on page 3 of this fact sheet.
Silt fencing should be set up to keep turtles out of construction areas. It is critical that silt fencing be removed after the area has been revegetated.	Construction in potential nesting areas should be limited to the period between September 15 and June 1 (this is the time when activity of adults and hatchlings in upland areas is at a minimum).
WETLANDS	
Small, vegetated temporary wetlands (Types 2 & 3) should not be dredged, deepened, filled, or converted to storm water retention basins (these wetlands provide important habitat during spring and summer).	Shallow portions of wetlands should not be disturbed during prime basking time (mid morning to mid- afternoon in May and June). A wide buffer should be left along the shore to minimize human activity near wetlands (basking Blanding's turtles are more easily disturbed than other turtle species).
Wetlands should be protected from pollution; use of fertilizers and pesticides should be avoided, and run-off from lawns and streets should be controlled. Erosion should be prevented to keep sediment from reaching wetlands and lakes.	Wetlands should be protected from road, lawn, and other chemical run-off by a vegetated buffer strip at least 50' wide. This area should be left unmowed and in a natural condition.
ROADS	
Roads should be kept to minimum standards on widths and lanes (this reduces road kills by slowing traffic and reducing the distance turtles need to cross).	Tunnels should be considered in areas with concentrations of turtle crossings (more than 10 turtles per year per 100 meters of road), and in areas of lower density if the level of road use would make a safe crossing impossible for turtles. Contact your DNR Regional Nongame Specialist for further information on wildlife tunnels.
Roads should be ditched, not curbed or below grade. If curbs must be used, 4 inch high curbs at a 3:1 slope are preferred (Blanding's turtles have great difficulty climbing traditional curbs; curbs and below grade roads trap turtles on the road and can cause road kills).	Roads should be ditched, not curbed or below grade.

ROADS cont.	
Culverts between wetland areas, or between wetland areas and nesting areas, should be 36 inches or greater in diameter, and elliptical or flat-bottomed.	Road placement should avoid separating wetlands from adjacent upland nesting sites, or these roads should be fenced to prevent turtles from attempting to cross them (contact your DNR Nongame Specialist for details).
Wetland crossings should be bridged, or include raised roadways with culverts which are 36 in or greater in diameter and flat-bottomed or elliptical (raised roadways discourage turtles from leaving the wetland to bask on roads).	Road placement should avoid bisecting wetlands, or these roads should be fenced to prevent turtles from attempting to cross them (contact your DNR Nongame Specialist for details). This is especially important for roads with more than 2 lanes.
Culverts under roads crossing streams should be oversized (at least twice as wide as the normal width of open water) and flat-bottomed or elliptical.	Roads crossing streams should be bridged.
UTILITIES	
Utility access and maintenance roads should be kept to a minimum (this reduces road-kill potential).	
Because trenches can trap turtles, trenches should be checked for turtles prior to being backfilled and the sites should be returned to original grade.	
LANDSCAPING AND VEGETATION MANAGEMENT	
Terrain should be left with as much natural contour as possible.	As much natural landscape as possible should be preserved (installation of sod or wood chips, paving, and planting of trees within nesting habitat can make that habitat unusable to nesting Blanding's turtles).
Graded areas should be revegetated with native grasses and forbs (some non-natives form dense patches through which it is difficult for turtles to travel).	Open space should include some areas at higher elevations for nesting. These areas should be retained in native vegetation, and should be connected to wetlands by a wide corridor of native vegetation.
Vegetation management in infrequently mowed areas -- such as in ditches, along utility access roads, and under power lines -- should be done mechanically (chemicals should not be used). Work should occur fall through spring (after October 1st and before June 1st).	Ditches and utility access roads should not be mowed or managed through use of chemicals. If vegetation management is required, it should be done mechanically, as infrequently as possible, and fall through spring (mowing can kill turtles present during mowing, and makes it easier for predators to locate turtles crossing roads).

Protecting Blanding's Turtle Nests: Most predation on turtle nests occurs within 48 hours after the eggs are laid. After this time, the scent is gone from the nest and it is more difficult for predators to locate the nest. Nests more than a week old probably do not need additional protection, unless they are in a particularly vulnerable spot, such as a yard where pets may disturb the nest. Turtle nests can be protected from predators and other disturbance by covering them with a piece of wire fencing (such as chicken wire), secured to the ground with stakes or rocks. The piece of fencing should measure at least 2 ft. x 2 ft., and should be of medium sized mesh (openings should be about 2 in. x 2 in.). It is ***very important*** that the fencing be **removed before August 1st** so the young turtles can escape from the nest when they hatch!

REFERENCES

[1]Association for Biodiversity Information. "Heritage Status: Global, National, and Subnational Conservation Status Ranks." NatureServe. Version 1.3 (9 April 2001). http://www.natureserve.org/ranking.htm (15 April 2001).

Coffin, B., and L. Pfannmuller. 1988. Minnesota's Endangered Flora and Fauna. University of Minnesota Press, Minneapolis, 473 pp.

REFERENCES (cont.)

Moriarty, J. J., and M. Linck. 1994. Suggested guidelines for projects occurring in Blanding's turtle habitat. Unpublished report to the Minnesota DNR. 8 pp.

Oldfield, B., and J. J. Moriarty. 1994. Amphibians and Reptiles Native to Minnesota. University of Minnesota Press, Minneapolis, 237 pp.

Sajwaj, T. D., and J. W. Lang. 2000. Thermal ecology of Blanding's turtle in central Minnesota. Chelonian Conservation and Biology 3(4):626-636.

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Project information

NAME

Haviland Fields

LOCATION

Anoka County, Minnesota

DESCRIPTION

None

Local office

Minnesota-Wisconsin Ecological Services Field Office

(952) 858-0793
(952) 646-2873

3815 American Blvd East
Bloomington, MN 55425-1659

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of

NOT FOR CONSULTATION

Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Northern Long-eared Bat Myotis septentrionalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat Perimyotis subflavus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

Birds

NAME	STATUS
Whooping Crane Grus americana No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/758	EXPN

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON

NOT FOR CONSULTATION

Bald Eagle Haliaeetus leucocephalus — Breeds Dec 1 to Aug 31
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

Black Tern Chlidonias niger — Breeds May 15 to Aug 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3093

Black-billed Cuckoo Coccyzus erythropthalmus — Breeds May 15 to Oct 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9399

Bobolink Dolichonyx oryzivorus — Breeds May 20 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Canada Warbler Cardellina canadensis — Breeds May 20 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Cerulean Warbler Dendroica cerulea — Breeds Apr 22 to Jul 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/2974

Chimney Swift Chaetura pelagica — Breeds Mar 15 to Aug 25
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Eastern Whip-poor-will Antrostomus vociferus — Breeds May 1 to Aug 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Golden-winged Warbler Vermivora chrysoptera — Breeds May 1 to Jul 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/8745

NOT FOR CONSULTATION

Henslow's Sparrow Ammodramus henslowii — Breeds May 1 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3941

Lesser Yellowlegs Tringa flavipes — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9679

Red-headed Woodpecker Melanerpes erythrocephalus — Breeds May 10 to Sep 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Ruddy Turnstone Arenaria interpres morinella — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Rusty Blackbird Euphagus carolinus — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Wood Thrush Hylocichla mustelina — Breeds May 10 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

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Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

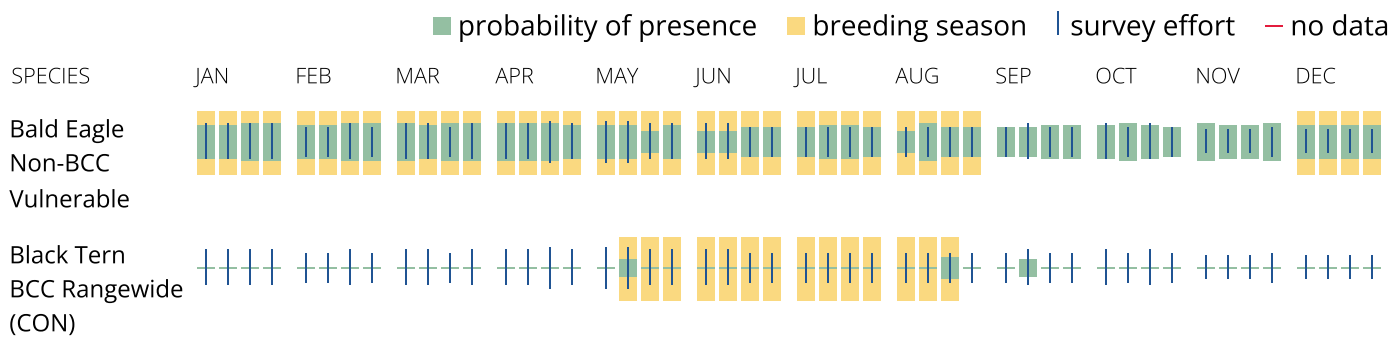
Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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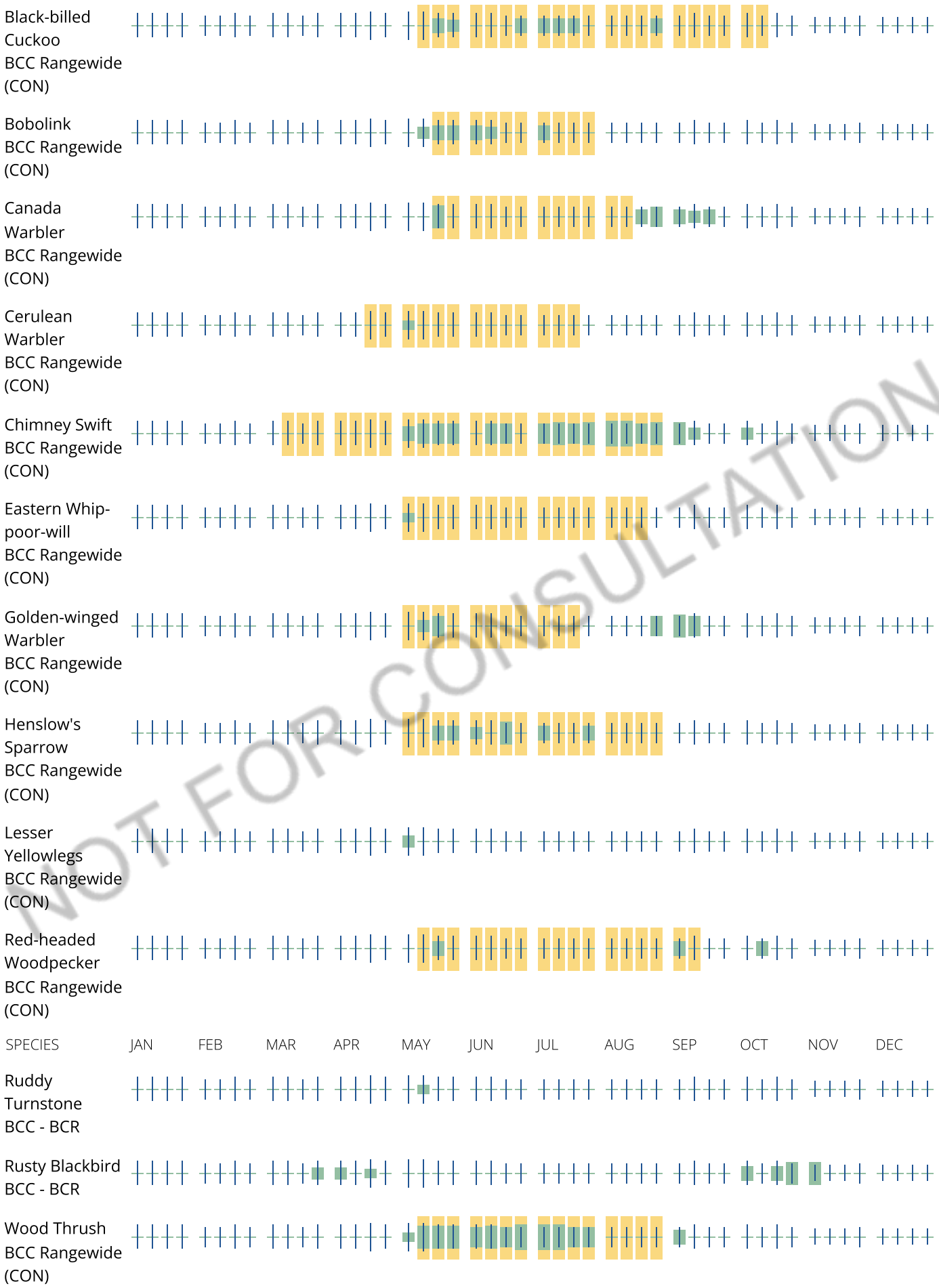

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

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1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn

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more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

Data limitations

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The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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SHPO Historical Properties in Section 25 T32N R25W										
COUNTY	CITYTWP	PROPNAME	ADDRESS	TWNSHP	RANGE	SECT	QUARTERS	USGS	NRH	INVENTNUM
Anoka	Ramsey	District No. 28 School	14100 St. Francis Blvd. NW	32	25	25	SW-SW-SE	Anoka	Y	AN-RMC-001

SHPO Archaeology Surveys in Section 25 T32N R25W											
COUNTY	SITENUM	TOWNSHIP	RANGE	SECTION	XQUARTERS	ACRES	WORKTYPE	DESCRIPT	TRADITION	CONTEXT	ReportNum
Anoka											
	21AN0144	32	25	25	NW-SE-NE,NE-SW-NE	1.3	1	AS	W-1		
	21AN0145	32	25	25	SE-NE-NE	0.8	1	AS	W-1		AN-97-04
	21AN0146	32	25	25	W-SE-E-NE	0.8	1	AS		RA-1	

Appendix D

Greenhouse Gas Analysis

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U.S. Environmental Protection Agency

Emissions Summary

Guidance

The total GHG emissions from each source category are provided below. You may also use this summary sheet to fill out the *Annual GHG Inventory Summary and Goal Tracking Form* as this calculator only quantifies one year of emissions at a time.

https://www.epa.gov/climateleadership/center-corporate-climate-leadership-annual-ghg-inventory-summary-and-goal-tracking

By entering the data below into the appropriate cell of the *Annual GHG Inventory Summary and Goal Tracking Form,* you will be able to compare multiple years of data.

If you have multiple Calculator files covering sub-sets of your inventory for a particular reporting period, sum each of the emission categories (e.g. Stationary Combustion) to an organizational total, which then can be entered into the *Annual GHG Inventory Summary and Goal Tracking Form* .

(A) Enter organization information into the orange cells. Other cells on this sheet will be automatically calculated from the data entered in the sheets in this workbook. Blue cells indicate required emission sources if applicable. Green cells indicate scope 3 emission sources and offsets, which organizations may optionally include in their inventory.

(B) The "Go To Sheet" buttons can be used to navigate to the data entry sheets.

Organizational Information:

Organization Name:	Senior Housing Partners
Organization Address:	14501 Nowthen Blvd NW, Ramsey, MN 55303
Inventory Reporting Period:	*Existing Conditions*
Start:	*2024*
End:	*2028*
Name of Preparer:	Kimley-Horn
Phone Number of Preparer:	612-400-9099
Date Prepared:	2023

Summary of Organization's Emissions:

Scope 1 Emissions

Go To Sheet	Stationary Combustion	838	CO_2-e (metric tons)
Go To Sheet	Mobile Sources	0	CO_2-e (metric tons)
Go To Sheet	Refrigeration / AC Equipment Use	0	CO_2-e (metric tons)
Go To Sheet	Fire Suppression	0	CO_2-e (metric tons)
Go To Sheet	Purchased Gases	0	CO_2-e (metric tons)

Location-Based Scope 2 Emissions

Go To Sheet	Purchased and Consumed Electricity	48	CO_2-e (metric tons)
Go To Sheet	Purchased and Consumed Steam	0	CO_2-e (metric tons)

Market-Based Scope 2 Emissions

Go To Sheet	Purchased and Consumed Electricity	48	CO_2-e (metric tons)

Go To Sheet	Purchased and Consumed Steam	0	CO_2-e (metric tons)

Total organization Emissions

Total Scope 1 & Location-Based Scope 2	886	CO_2-e (metric tons)
Total Scope 1 & Market-Based Scope 2	886	CO_2-e (metric tons)

Reductions

Go To Sheet	Offsets	0	CO_2-e (metric tons)

Net Scope 1 and 2 Location-Based Emissions	886	CO_2-e (metric tons)
Net Scope 1 and 2 Market-Based Emissions	886	CO_2-e (metric tons)

Scope 3 Emissions

Go To Sheet	Employee Business Travel	0	CO_2-e (metric tons)
Go To Sheet	Employee Commuting	0	CO_2-e (metric tons)
Go To Sheet	Product Transport	0	CO_2-e (metric tons)
Go To Sheet	Waste	2,084	CO_2-e (metric tons)

Required Supplemental Information

Go To Sheet	Biomass CO_2 Emissions from Stationary Sources	0	CO_2-e (metric tons)
Go To Sheet	Biomass CO_2 Emissions from Mobile Sources	0	CO_2-e (metric tons)

Back to Intro | Back to Summary | Heat Content | Help

Scope 1 Emissions from Stationary Combustion Sources

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U.S. Environmental Protection Agency

Guidance

(A) Enter annual data for each combustion unit, facility, or site (by fuel type) in ORANGE cells on **Table 1**. Example entry is shown in first row (*GREEN Italics*).

- Select "Fuel Combusted" from drop down box.
- Enter "Quantity Combusted" and choose the appropriate units from the drop down box in the unit column. If it's necessary to convert units, common heat contents can be found on the "Heat Content" sheet and unit conversions on the "Unit Conversion" sheet.

(B) If fuel is consumed in a facility but stationary fuel consumption data are not available, an estimate should be made for completeness. See the "Items to Note" section of the Help sheet for suggested estimation approaches.

(C) Biomass CO_2 emissions are not reported in the total emissions, but are reported separately at the bottom of the sheet.

Table 1. Stationary Source Fuel Combustion

Source ID	Source Description	Source Area (sq ft)	Fuel Combusted	Quantity Combusted	Units
BLR-012	*East Power Plant*	*12,517*	*Natural Gas*	*10,000*	*MMBtu*
Institutional	Natural Gas Use	557,568	Natural Gas	15,668	MMBtu
Single Fam	Natural Gas Use	2	Natural Gas	115	MMBtu

GHG Emissions

Total Organization-Wide Stationary Source Combustion by Fuel Type

Fuel Type	Quantity Combusted	Units
Anthracite Coal	0	short tons
Bituminous Coal	0	short tons
Sub-bituminous Coal	0	short tons

Lignite Coal	0	short tons
Natural Gas	15,382,710	scf
Distillate Fuel Oil No. 2	0	gallons
Residual Fuel Oil No. 6	0	gallons
Kerosene	0	gallons
Liquefied Petroleum Gases (LPG)	0	gallons
Wood and Wood Residuals	0	short tons
Landfill Gas	0	scf

Total Organization-Wide CO_2, CH_4 and N_2O Emissions from Stationary Source Fuel Combustion

Fuel Type	CO_2 (kg)	CH_4 (g)	N_2O (g)
Anthracite Coal	0.0	0.0	0.0
Bituminous Coal	0.0	0.0	0.0
Sub-bituminous Coal	0.0	0.0	0.0
Lignite Coal	0.0	0.0	0.0
Natural Gas	837,434.8	15,844.2	1,538.3
Distillate Fuel Oil No. 2	0.0	0.0	0.0
Residual Fuel Oil No. 6	0.0	0.0	0.0
Kerosene	0.0	0.0	0.0
Liquefied Petroleum Gases (LPG)	0.0	0.0	0.0
Total Fossil Fuel Emissions	**837,434.8**	**15,844.2**	**1,538.3**
Wood and Wood Residuals	0.0	0.0	0.0
Landfill Gas	0.0	0.0	0.0
Total Non-Fossil Fuel Emissions	**0.0**	**0.0**	**0.0**
Total Emissions for all Fuels	**837,434.8**	**15,844.2**	**1,538.3**

Total CO_2 Equivalent Emissions (metric tons) - Stationary Combustion	**838.3**
Total Biomass CO_2 Equivalent Emissions (metric tons) - Stationary Combustion	**0.0**

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Scope 2 Emissions from Purchase of Electricity

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U.S. Environmental Protection Agency

Guidance

The Indirect Emissions from Purchased Electricity Guidance document provides guidance for quantifying two scope 2 emissions totals, using a **location-based method** and a **market-based method**. The organization should quantify and report both totals in its GHG inventory. The location-based method considers average emission factors for the electricity grids that provide electricity. The market-based method considers contractual arrangements under which the organization procures electricity from specific sources, such as renewable energy.

(A) Enter total annual electricity purchased in kWh and each eGRID subregion for each facility or site in ORANGE cells of **Table 1**.
(B) If electricity consumption data are not available for a facility, an estimate should be made for completeness.
See the "Items to Note" section of the Help sheet for suggested estimation approaches.
(C) Select "eGRID subregion" from drop box and enter "Electricity Purchased."
- Use map (Figure 1) at bottom of sheet to determine appropriate eGRID subregion. If subregion cannot be determined from the map, find the correct subregion by entering the location's zip code into EPA's Power Profiler:
https://www.epa.gov/egrid/power-profiler#/
(D) See the market-based emission factor hierarchy on the market-based method Help sheet. If any of the first four types of emission factors are applicable, enter the factors in the yellow cells marked as "<enter factor>". If not, leave the yellow cells as is, and eGRID subregion factors will be used for market-based emissions.
Example entry is shown in first row (*GREEN Italics*) for a facility that purchases RECs for 100% of its consumption, and therefore has a market-based emission factor of 0.

Help - Market-Based Method

Tips: Enter electricity usage by location and then look up the eGRID subregion for each location.
If you purchase renewable energy that is less than 100% of your site's electricity, see the example in the market-based method Help sheet.

Table 1. Total Amount of Electricity Purchased by eGRID Subregion

					Market-Based						Location-Based		
					Use these cells to enter applicable market-based emission factors								
					Emission Factors			Emissions			Emissions		
Source ID	Source Description	Source Area (sq ft)	eGRID Subregion *where electricity is consumed*	Electricity Purchased (kWh)	CO_2 Emissions (lb/MWh)	CH_4 Emissions (lb/MWh)	N_2O Emissions (lb/MWh)	CO_2 Emissions (lb)	CH_4 Emissions (lb)	N_2O Emissions (lb)	CO_2 Emissions (lb)	CH_4 Emissions (lb)	N_2O Emissions (lb)
Bldg-012	*East Power Plant*	*12,517*	*HIMS (HICC Miscellaneous)*	*200,000*	*0*	*0*	*0*	*0.0*	*0.0*	*0.0*	*237,120.0*	*28.6*	*4.4*
Institutional	Electricity Use	557,568	MROW (MRO West)	78,880	<enter factor>	<enter factor>	<enter factor>	86,641.8	9.4	1.3	86,641.8	9.4	1.3
Single Fami	Electricity Use	2	MROW (MRO West)	16,084	<enter factor>	<enter factor>	<enter factor>	17,666.7	1.9	0.3	17,666.7	1.9	0.3
					<enter factor>	<enter factor>	<enter factor>					

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U.S. Environmental Protection Agency

Scope 3 Emissions from Waste

Guidance

(A) Enter annual waste data in ORANGE cells. Example entry is shown in first row (*GREEN Italics*).

(B) Choose the appropriate material and disposal method from the drop down options. For the average-data method, use one of the mixed material types, such as mixed MSW. If the exact waste material is not available, consider an appropriate proxy. For example, dimensional lumber can be used as a proxy for wood furniture.

(C) Choose an appropriate disposal method. Note that not all disposal methods are available for all materials. If there is a #NA or # Value error in the emissions column, you must pick a new material type or appropriate disposal method.

Table 1. Waste Disposal Weight by Waste Material and Disposal Method (CO_2, CH_4 and N_2O)

Source ID	Source Description	Waste Material	Disposal Method	Weight	Unit	CO_2e Emissions (kg)
Bldg-012	*East Power Plant Finished Goods*	*Steel Cans*	*Landfilled*	*1,000*	*metric ton*	*22,040*
Nonresidential Buildings	Nonresidential Waste	Mixed MSW municipal solid waste	Combusted	3,345	metric ton	*1,585,062*
Residential	Residential Waste	Mixed MSW municipal solid waste	Combusted	2	metric ton	*948*
Nonresidential Buildings	Nonresidential Waste	Mixed Recyclables	Recycled	5,018	metric ton	*497,685*
Residential	Residential Waste	Mixed Recyclables	Recycled	3	metric ton	*298*

GHG Emissions

Total Emissions by Disposal Method

Waste Material	CO_2e (kg)
Recycled	497,983
Landfilled	-
Combusted	1,586,009
Composted	-
Anaerobically Digested (Dry Digestate with Curing)	-
Anaerobically Digested (Wet Digestate with Curing)	-

Total CO_2 Equivalent Emissions (metric tons) - Waste	**2,084.0**

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Emissions Summary

Guidance

The total GHG emissions from each source category are provided below. You may also use this summary sheet to fill out the *Annual GHG Inventory Summary and Goal Tracking Form* as this calculator only quantifies one year of emissions at a time.

https://www.epa.gov/climateleadership/center-corporate-climate-leadership-annual-ghg-inventory-summary-and-goal-tracking

By entering the data below into the appropriate cell of the *Annual GHG Inventory Summary and Goal Tracking Form,* you will be able to compare multiple years of data.

If you have multiple Calculator files covering sub-sets of your inventory for a particular reporting period, sum each of the emission categories (e.g. Stationary Combustion) to an organizational total, which then can be entered into the *Annual GHG Inventory Summary and Goal Tracking Form* .

(A) Enter organization information into the orange cells. Other cells on this sheet will be automatically calculated from the data entered in the sheets in this workbook. Blue cells indicate required emission sources if applicable. Green cells indicate scope 3 emission sources and offsets, which organizations may optionally include in their inventory.

(B) The "Go To Sheet" buttons can be used to navigate to the data entry sheets.

Organizational Information:

Organization Name:	Senior Housing Partners
Organization Address:	14501 Nowthen Blvd NW, Ramsey, MN 55303
Inventory Reporting Period:	*Proposed Development*
Start:	*2024*
End:	*2028*
Name of Preparer:	Kimley-Horn
Phone Number of Preparer:	612-400-9099
Date Prepared:	2023

Summary of Organization's Emissions:

Scope 1 Emissions

Go To Sheet	Stationary Combustion	1,295	CO_2-e (metric tons)
Go To Sheet	Mobile Sources	1,145	CO_2-e (metric tons)
Go To Sheet	Refrigeration / AC Equipment Use	0	CO_2-e (metric tons)
Go To Sheet	Fire Suppression	0	CO_2-e (metric tons)
Go To Sheet	Purchased Gases	0	CO_2-e (metric tons)

Location-Based Scope 2 Emissions

Go To Sheet	Purchased and Consumed Electricity	1,423	CO_2-e (metric tons)
Go To Sheet	Purchased and Consumed Steam	0	CO_2-e (metric tons)

Market-Based Scope 2 Emissions

Go To Sheet	Purchased and Consumed Electricity	1,423	CO_2-e (metric tons)

Go To Sheet	Purchased and Consumed Steam	0	CO_2-e (metric tons)

Total organization Emissions

Total Scope 1 & Location-Based Scope 2	3,863	CO_2-e (metric tons)
Total Scope 1 & Market-Based Scope 2	3,863	CO_2-e (metric tons)

Reductions

Go To Sheet	Offsets	0	CO_2-e (metric tons)

Net Scope 1 and 2 Location-Based Emissions	3,863	CO_2-e (metric tons)
Net Scope 1 and 2 Market-Based Emissions	3,863	CO_2-e (metric tons)

Scope 3 Emissions

Go To Sheet	Employee Business Travel	0	CO_2-e (metric tons)
Go To Sheet	Employee Commuting	0	CO_2-e (metric tons)
Go To Sheet	Product Transport	0	CO_2-e (metric tons)
Go To Sheet	Waste	2,373	CO_2-e (metric tons)

Required Supplemental Information

Go To Sheet	Biomass CO_2 Emissions from Stationary Sources	0	CO_2-e (metric tons)
Go To Sheet	Biomass CO_2 Emissions from Mobile Sources	0	CO_2-e (metric tons)

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Scope 1 Emissions from Stationary Combustion Sources

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Guidance

(A) Enter annual data for each combustion unit, facility, or site (by fuel type) in ORANGE cells on **Table 1**. Example entry is shown in first row (*GREEN Italics*).

- Select "Fuel Combusted" from drop down box.
- Enter "Quantity Combusted" and choose the appropriate units from the drop down box in the unit column. If it's necessary to convert units, common heat contents can be found on the "Heat Content" sheet and unit conversions on the "Unit Conversion" sheet.

(B) If fuel is consumed in a facility but stationary fuel consumption data are not available, an estimate should be made for completeness. See the "Items to Note" section of the Help sheet for suggested estimation approaches.

(C) Biomass CO_2 emissions are not reported in the total emissions, but are reported separately at the bottom of the sheet.

Table 1. Stationary Source Fuel Combustion

Source ID	Source Description	Source Area (sq ft)	Fuel Combusted	Quantity Combusted	Units
BLR-012	*East Power Plant*	*12,517*	*Natural Gas*	*10,000*	*MMBtu*
Institutional	Natural Gas Use	557,568	Natural Gas	15,668	MMBtu
Multifamily	Natural Gas Use	146,529	Natural Gas	8,715	MMBtu

GHG Emissions

Total Organization-Wide Stationary Source Combustion by Fuel Type

Fuel Type	Quantity Combusted	Units
Anthracite Coal	0	short tons
Bituminous Coal	0	short tons
Sub-bituminous Coal	0	short tons

Lignite Coal	0	short tons
Natural Gas	23,764,777	scf
Distillate Fuel Oil No. 2	0	gallons
Residual Fuel Oil No. 6	0	gallons
Kerosene	0	gallons
Liquefied Petroleum Gases (LPG)	0	gallons
Wood and Wood Residuals	0	short tons
Landfill Gas	0	scf

Total Organization-Wide CO_2, CH_4 and N_2O Emissions from Stationary Source Fuel Combustion

Fuel Type	CO_2 (kg)	CH_4 (g)	N_2O (g)
Anthracite Coal	0.0	0.0	0.0
Bituminous Coal	0.0	0.0	0.0
Sub-bituminous Coal	0.0	0.0	0.0
Lignite Coal	0.0	0.0	0.0
Natural Gas	1,293,754.4	24,477.7	2,376.5
Distillate Fuel Oil No. 2	0.0	0.0	0.0
Residual Fuel Oil No. 6	0.0	0.0	0.0
Kerosene	0.0	0.0	0.0
Liquefied Petroleum Gases (LPG)	0.0	0.0	0.0
Total Fossil Fuel Emissions	**1,293,754.4**	**24,477.7**	**2,376.5**
Wood and Wood Residuals	0.0	0.0	0.0
Landfill Gas	0.0	0.0	0.0
Total Non-Fossil Fuel Emissions	**0.0**	**0.0**	**0.0**
Total Emissions for all Fuels	**1,293,754.4**	**24,477.7**	**2,376.5**

Total CO_2 Equivalent Emissions (metric tons) - Stationary Combustion	**1,295.1**
Total Biomass CO_2 Equivalent Emissions (metric tons) - Stationary Combustion	**0.0**

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Scope 1 Emissions from Mobile Sources

Guidance

(A) Enter annual data for each vehicle or group of vehicles (grouped by vehicle type, vehicle year, and fuel type) in ORANGE cells in **Table 1**. Example entry is shown in first row (GREEN *Italics*). Only enter vehicles owned or leased by your organization on this sheet. All other vehicle use such as employee commuting or business travel is considered a scope 3 emissions source and should be reported in the corresponding scope 3 sheets.

- Select "On-Road" or "Non-Road" from drop down box to determine the Vehicle Types available.
- Select "Vehicle Type" from drop down box (closest type available).
- Enter "Fuel Usage" in appropriate units (units appear when vehicle type is selected).
- If mileage or fuel usage is unknown, estimate using approximate fuel economy values (see **Reference Table** below).
- Vehicle year and Miles traveled are not necessary for non-road equiment.

(B) When using biofuels, typically the biofuel (biodiesel or ethanol) is mixed with a petroleum fuel (diesel or gasoline) for use in vehicles. Enter the biodiesel and ethanol percentages of the fuel if known, or leave default values.

Biodiesel Percent:	20	%
Ethanol Percent:	80	%

(C) Biomass CO_2 emissions from biodiesel and ethanol are not reported in the total emissions, but are reported separately at the bottom of the sheet.

Table 1. Mobile Source Fuel Combustion and Miles Traveled

Source ID	Source Description	On-Road or Non-Road?	Vehicle Type	Vehicle Year	Fuel Usage	Units	Miles Traveled
Fleet-012	*HQ Fleet*	*NonRoad*	*Ships and Boats - Diesel*	*1990*	*500*	*gal*	*3,670*
Construction Equipment (non-road g	Construction Equipment	NonRoad	Construction/Mining Equipment - Gasoline (2 stroke)	2007	24,750	gal	0
Passenger Cars	Construction Equipment	OnRoad	Passenger Cars - Gasoline	2007	84	gal	4,368
Construction Equipment (non-road d	Construction Equipment	NonRoad	Construction/Mining Equipment - Diesel	2007	88,391	gal	0
Medium- and Heavy- Duty Trucks	Construction Equipment	OnRoad	Medium- and Heavy-Duty Vehicles - Diesel	2007	177	gal	1,560
Light Trucks	Construction Equipment	OnRoad	Light-Duty Trucks - Gasoline	2007	165	gal	1,560

Reference Table: Average Fuel Economy by Vehicle Type

Vehicle Type	Average Fuel Economy (mpg)
Passenger Cars	24.1
Motorcycles	44.0
Diesel Buses (Diesel Heavy-Duty Vehicles)	7.3
Other 2-axle, 4-Tire Vehicles	17.6
Single unit 2-Axle 6-Tire or More Trucks	7.5
Combination Trucks	6.1

GHG Emissions

Total Organization-Wide Mobile Source Fuel Usage and CO_2 Emissions (On-Road and Off-Road Vehicles)

Fuel Type	Fuel Usage	Units	CO_2 (kg)	
Motor Gasoline	24,999	gallons	219,491.2	
Diesel Fuel	88,568	gallons	904,279.3	
Residual Fuel Oil	0	gallons	0.0	
Aviation Gasoline	0	gallons	0.0	
Kerosene-Type Jet Fuel	0	gallons	0.0	
Liquefied Petroleum Gas (LPG)	0	gallons	0.0	
Ethanol	0	gallons	0.0	*Note: emissions here are only for the g*
Biodiesel	0	gallons	0.0	*Note: emissions here are only for the d*
Liquefied Natural Gas (LNG)	0	gallons	0.0	
Compressed Natural Gas (CNG)	0	scf	0.0	

Total Organization-Wide On-Road Gasoline Mobile Source Mileage and CH_4/N_2O Emissions

Vehicle Type	Vehicle Year	Mileage (miles)	CH_4 (g)	N_2O (g)
Passenger Cars - Gasoline	1984-93	0	0.0	0.0
	1994	0	0.0	0.0
	1995	0	0.0	0.0
	1996	0	0.0	0.0
	1997	0	0.0	0.0
	1998	0	0.0	0.0
	1999	0	0.0	0.0
	2000	0	0.0	0.0
	2001	0	0.0	0.0
	2002	0	0.0	0.0
	2003	0	0.0	0.0
	2004	0	0.0	0.0
	2005	0	0.0	0.0
	2006	0	0.0	0.0
	2007	4,368	31.4	22.7
	2008	0	0.0	0.0
	2009	0	0.0	0.0
	2010	0	0.0	0.0
	2011	0	0.0	0.0
	2012	0	0.0	0.0
	2013	0	0.0	0.0
	2014	0	0.0	0.0
	2015	0	0.0	0.0
	2016	0	0.0	0.0
	2017	0	0.0	0.0
	2018	0	0.0	0.0
Light-Duty Trucks - Gasoline (Vans, Pickup Trucks, SUVs)	1987-93	0	0.0	0.0
	1994	0	0.0	0.0
	1995	0	0.0	0.0
	1996	0	0.0	0.0
	1997	0	0.0	0.0
	1998	0	0.0	0.0
	1999	0	0.0	0.0
	2000	0	0.0	0.0
	2001	0	0.0	0.0
	2002	0	0.0	0.0
	2003	0	0.0	0.0
	2004	0	0.0	0.0
	2005	0	0.0	0.0
	2006	0	0.0	0.0
	2007	1,560	16.1	9.5
	2008	0	0.0	0.0
	2009	0	0.0	0.0
	2010	0	0.0	0.0
	2011	0	0.0	0.0
	2012	0	0.0	0.0
	2013	0	0.0	0.0
	2014	0	0.0	0.0
	2015	0	0.0	0.0
	2016	0	0.0	0.0
	2017	0	0.0	0.0
	2018	0	0.0	0.0
Heavy-Duty Vehicles - Gasoline	1985-86	0	0.0	0.0
	1987	0	0.0	0.0
	1988-1989	0	0.0	0.0
	1990-1995	0	0.0	0.0
	1996	0	0.0	0.0
	1997	0	0.0	0.0
	1998	0	0.0	0.0
	1999	0	0.0	0.0
	2000	0	0.0	0.0
	2001	0	0.0	0.0
	2002	0	0.0	0.0
	2003	0	0.0	0.0
	2004	0	0.0	0.0
	2005	0	0.0	0.0
	2006	0	0.0	0.0
	2007	0	0.0	0.0
	2008	0	0.0	0.0
	2009	0	0.0	0.0
	2010	0	0.0	0.0
	2011	0	0.0	0.0
	2012	0	0.0	0.0
	2013	0	0.0	0.0
	2014	0	0.0	0.0
	2015	0	0.0	0.0
	2016	0	0.0	0.0
	2017	0	0.0	0.0
	2018	0	0.0	0.0
Motorcycles - Gasoline	1960-1995	0	0.0	0.0
	1996-present	0	0.0	0.0

Total Organization-Wide On-Road Non-Gasoline Mobile Source Mileage and CH_4/N_2O Emissions

Vehicle Type	Fuel Type	Vehicle Year	Mileage (miles)	CH_4 (g)	N_2O (g)
Passenger Cars - Diesel	Diesel	1960-1982	0	0.0	0.0
		1983-1995	0	0.0	0.0
		1996-2006	0	0.0	0.0
		2007-2018	0	0.0	0.0
Light-Duty Trucks - Diesel	Diesel	1960-1982	0	0.0	0.0
		1983-1995	0	0.0	0.0

Light-Duty Trucks - Diesel	Diesel	1996-2006	0	0.0	0.0
		2007-2018	0	0.0	0.0
Medium- and Heavy-Duty Vehicles -	Diesel	1960-2006	0	0.0	0.0
		2007-2018	1,560	14.8	67.2
Light-Duty Cars	Methanol		0	0.0	0.0
	Ethanol		0	0.0	0.0
	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	Biodiesel		0	0.0	0.0
Light-Duty Trucks	Ethanol		0	0.0	0.0
	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	LNG		0	0.0	0.0
	Biodiesel		0	0.0	0.0
Medium-Duty Trucks	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	LNG		0	0.0	0.0
	Biodiesel		0	0.0	0.0
Heavy-Duty Trucks	Methanol		0	0.0	0.0
	Ethanol		0	0.0	0.0
	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	LNG		0	0.0	0.0
	Biodiesel		0	0.0	0.0
Buses	Methanol		0	0.0	0.0
	Ethanol		0	0.0	0.0
	CNG		0	0.0	0.0
	LPG		0	0.0	0.0
	LNG		0	0.0	0.0
	Biodiesel		0	0.0	0.0

Total Organization-Wide Non-Road Mobile Source Fuel Usage and CH_4/N_2O Emissions

Vehicle Type	Fuel Type	Fuel Usage (gallons)	CH_4 (g)	N_2O (g)
Ships and Boats	Residual Fuel Oil	-	-	-
	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
Locomotives	Diesel	-	-	-
Aircraft	Jet Fuel	-	-	-
	Aviation Gasoline	-	-	-
Agricultural Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Agricultural Offroad Trucks	Gasoline	-	-	-
	Diesel	-	-	-
Construction/Mining Equipment	Gasoline (2 stroke)	24,750	307,395	1,733
	Gasoline (4 stroke)	-	-	-
	Diesel	88,391	17,678	41,544
	LPG	-	-	-
Construction/Mining Offroad Trucks	Gasoline	-	-	-
	Diesel	-	-	-
Lawn and Garden Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Airport Equipment	Gasoline	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Industrial/Commercial Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Logging Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
Railroad Equipment	Gasoline	-	-	-
	Diesel	-	-	-
	LPG	-	-	-
Recreational Equipment	Gasoline (2 stroke)	-	-	-
	Gasoline (4 stroke)	-	-	-
	Diesel	-	-	-
	LPG	-	-	-

Total CO_2 Equivalent Emissions (metric tons) - Mobile Sources	**1,144.8**
Total Biomass CO_2 Equivalent Emissions (metric tons) - Mobile Sources	**0.0**

Notes:

1. Average mpg values from the U.S. Department of Transportation, Federal Highway Administration, Highway Statistics 2019 (Nov 2020), Table VM-1.

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Scope 2 Emissions from Purchase of Electricity

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Guidance

The Indirect Emissions from Purchased Electricity Guidance document provides guidance for quantifying two scope 2 emissions totals, using a **location-based method** and a **market-based method**. The organization should quantify and report both totals in its GHG inventory. The location-based method considers average emission factors for the electricity grids that provide electricity. The market-based method considers contractual arrangements under which the organization procures electricity from specific sources, such as renewable energy.

(A) Enter total annual electricity purchased in kWh and each eGRID subregion for each facility or site in ORANGE cells of **Table 1**.
(B) If electricity consumption data are not available for a facility, an estimate should be made for completeness.
See the "Items to Note" section of the Help sheet for suggested estimation approaches.
(C) Select "eGRID subregion" from drop box and enter "Electricity Purchased."
- Use map (Figure 1) at bottom of sheet to determine appropriate eGRID subregion. If subregion cannot be determined from the map, find the correct subregion by entering the location's zip code into EPA's Power Profiler:
https://www.epa.gov/egrid/power-profiler#/
(D) See the market-based emission factor hierarchy on the market-based method Help sheet. If any of the first four types of emission factors are applicable, enter the factors in the yellow cells marked as "<enter factor>". If not, leave the yellow cells as is, and eGRID subregion factors will be used for market-based emissions.
Example entry is shown in first row (*GREEN Italics*) for a facility that purchases RECs for 100% of its consumption, and therefore has a market-based emission factor of 0.

Help - Market-Based Method

Tips: Enter electricity usage by location and then look up the eGRID subregion for each location.
If you purchase renewable energy that is less than 100% of your site's electricity, see the example in the market-based method Help sheet.

Table 1. Total Amount of Electricity Purchased by eGRID Subregion

					Market-Based *Use these cells to enter applicable market-based emission factors*						**Location-Based**		
					Emission Factors			**Emissions**			**Emissions**		
Source ID	**Source Description**	**Source Area (sq ft)**	**eGRID Subregion** *where electricity is consumed*	**Electricity Purchased (kWh)**	**CO_2 Emissions (lb/MWh)**	**CH_4 Emissions (lb/MWh)**	**N_2O Emissions (lb/MWh)**	**CO_2 Emissions (lb)**	**CH_4 Emissions (lb)**	**N_2O Emissions (lb)**	**CO_2 Emissions (lb)**	**CH_4 Emissions (lb)**	**N_2O Emissions (lb)**
Bldg-012	*East Power Plant*	*12,517*	*HIMS (HICC Miscellaneous)*	*200,000*	*0*	*0*	*0*	*0.0*	*0.0*	*0.0*	*237,120.0*	*28.6*	*4.4*
Institutional	Electricity Use	557,568	MROW (MRO West)	78,880	<enter factor>	<enter factor>	<enter factor>	86,641.8	9.4	1.3	86,641.8	9.4	1.3
Multifamily h	Electricity Use	146,529	MROW (MRO West)	2,756,928	<enter factor>	<enter factor>	<enter factor>	3,028,209.7	328.1	46.9	3,028,209.7	328.1	46.9
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
					<enter factor>	<enter factor>	<enter factor>						
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					<enter factor>	<enter factor>	<enter factor>						
Total Emissions for All Sources				2,835,808				3,114,851.5	337.5	48.2	3,114,851.5	337.5	48.2

GHG Emissions

CO_2 Equivalent Emissions (metric tons)	
Location-Based Electricity Emissions	**1,423.2**
Market-Based Electricity Emissions	**1,423.2**

Notes:
1. CO_2, CH_4 and N_2O emissions are estimated using methodology provided in EPA's Center for Corporate Climate Leadership Greenhouse Gas Inventory Guidance - Indirect Emissions from Purchased Electricity (January 2016).

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Scope 3 Emissions from Waste

Guidance

(A) Enter annual waste data in ORANGE cells. Example entry is shown in first row (*GREEN Italics*).

(B) Choose the appropriate material and disposal method from the drop down options. For the average-data method, use one of the mixed material types, such as mixed MSW. If the exact waste material is not available, consider an appropriate proxy. For example, dimensional lumber can be used as a proxy for wood furniture.

(C) Choose an appropriate disposal method. Note that not all disposal methods are available for all materials. If there is a #NA or # Value error in the emissions column, you must pick a new material type or appropriate disposal method.

Table 1. Waste Disposal Weight by Waste Material and Disposal Method (CO_2, CH_4 and N_2O)

Source ID	Source Description	Waste Material	Disposal Method	Weight	Unit	CO_2e Emissions (kg)
Bldg-012	*East Power Plant Finished Goods*	*Steel Cans*	*Landfilled*	*1,000*	*metric ton*	*22,040*
Nonresidential Buildings	Nonresidential Waste	Mixed MSW municipal solid waste	Combusted	3,345	metric ton	*1,585,062*
Residential	Residential Waste	Mixed MSW municipal solid waste	Combusted	467	metric ton	*221,293*
Nonresidential Buildings	Nonresidential Recycling	Mixed Recyclables	Recycled	5,018	metric ton	*497,696*
Residential	Residential Recycling	Mixed Recyclables	Recycled	700	metric ton	*69,426*

Total Emissions by Disposal Method

Waste Material	CO_2e (kg)
Recycled	567,122
Landfilled	-
Combusted	1,806,354
Composted	-
Anaerobically Digested (Dry Digestate with Curing)	-
Anaerobically Digested (Wet Digestate with Curing)	-

Total CO_2 Equivalent Emissions (metric tons) - Waste	**2,373.5**

Appendix E

Traffic Analysis

TRAFFIC IMPACT ANALYSIS

HAVILAND FIELDS

RAMSEY, MINNESOTA

Prepared for:

Senior Housing Partners

Prepared By:

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JULY 2023

Kimley»Horn

TRAFFIC IMPACT ANALYSIS

HAVILAND FIELDS

RAMSEY, MINNESOTA

REPORT CERTIFICATION

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Jacob Rojer, P.E., PTOE

License No. 56767

July 17, 2023

Date

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APPENDIX

A. Exhibits

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INTRODUCTION

Presbyterian Homes is proposing a new residential development on the +/- 35-acre Lord of Life Church site in Ramsey, MN. The development would include includes 303 multifamily housing (Mid-rise) units, 22 senior adult housing – single family units and 173 senior adult housing – multi-family units for a total of 498 units. The existing church will remain on site. **Exhibit 1** shows the proposed project location. All exhibits are included in **Appendix A.**

EXISTING ROADWAY CONDITIONS

The proposed development is located on the northwest corner of MN-47 and CSAH 5. The following intersections will be included in the traffic capacity analysis:

- MN-47 (St Francis Blvd) & Nowthen Blvd NW
- MN-47 (St Francis Blvd) & Sunwood Dr NW
- CSAH 5 (Nowthen Blvd) & Dysprosium St NW
- CSAH 5 (Nowthen Blvd) & Iodine St NW
- CSAH 5 (Nowthen Blvd) & Lord of Life Church Access
- CSAH 5 (Nowthen Blvd) & 146th Ave NW
- CSAH 5 (Nowthen Blvd) & Sunwood Dr
- Sunwood Dr & Cobalt St NW

The study intersection locations are shown in **Exhibit 1**.

EXISTING ROADWAYS

The following provides a detailed description of the major surrounding roadways.

MN-47 (St Francis Blvd) is a north-south, two-lane, divided highway, with a single through lane and turn lanes provided at all accesses. The MnDOT Functional Classification Map classifies MN-47 as A-Minor Connector. The MnDOT Traffic Mapping Application reports an annual average daily traffic (AADT) of 22,000 vehicles per day (vpd) in 2019 south of CSAH 5 and 12,100 vpd in 2021 north of CSAH 5. The posted speed limit is 45 mph south of CSAH 5 and 55 mph north of CSAH 5.

CSAH 5 (Nowthen Blvd) is a two-lane County Road with a single through lane in each direction and right turn lanes provided at all studied intersections. The highway is divided from MN-47 to Dysprosium St. The roadway runs in a southeast-northwest direction within the study area. The MnDOT Functional Classification Map Classifies CSAH 5 as A-Minor Expander. The MnDOT Traffic Mapping Application reports an AADT of 8,700 vpd in 2021, between MN-47 and Dysprosium St NW. The posted speed limit on CSAH 5 is 30 mph east of MN-47, and 50 mph to the west.

Sunwood Dr NW is an east-west two-lane undivided road with one travel lane in each direction. The Anoka County 2040 Functional Classification Map classifies Sunwood Dr as a local road. The MnDOT Traffic Mapping Application reports that the AADT ranges from 730 (west of MN-47) to

1,950 (east of CSAH 5). The posted speed limit on Sunwood Dr is 30 mph except west of CSAH 5, where it is 35 mph.

Dysprosium St NW is a two-lane north-south roadway with one lane in each direction. Dysprosium St NW is classified as a local Road according to the Anoka Functional Classification Map. In 2021, Dysprosium St NW had an AADT of 3100 vpd, according to the MnDOT Traffic Mapping Application. The current posted speed limit on Dysprosium St NW is 30 mph.

All other roadways are one-lane roadways with no turn lanes. They are all considered to be local roads by Anoka County, have no MnDOT count data, and have a speed limit of 30 mph.

EXISTING TRAFFIC VOLUMES

To analyze the traffic operations at the study intersection, weekday and weekend peak period turning movement counts were collected. The weekend data was collected on 1/29/2023 while the weekday data was collected on 1/27/2023 except for the intersection of CSAH 5 & Sunwood Dr which was collected on 1/30/2023. Weekday and weekend data collection occurred on a typical weekday and typical Sunday when church was in service. **Exhibit 2** provides a summary of the weekday AM and PM peak hour turning traffic volumes. The turning movement count data is provided in **Appendix B**.

The network AM peak hour was determined to be 7:00 AM to 8:00 AM and the network PM peak hour was determined to be 4:30 PM to 5:30 PM. The Sunday peak hours were determined to be 12:00pm to 1:00pm.

BACKGROUND GROWTH AND COMMITTED TRAFFIC

The growth rates were calculated using the forecast in the City of Ramsey's 2040 comprehensive plan. The growth rate was found to be 0.6 % for MN-47, and 0.9% for CSAH 5. These were used to forecast the peak hour traffic at intersections along these corridors in 2027 and 2040. The rest of the roadways in the study area are local/fully developed and are thus considered to have a growth rate of 0%.

Exhibit 4 shows the Opening Year No-Build (2027) turning movement volumes and **Exhibit 5** shows the Horizon Year No-Build (2040) turning movement volumes.

PEDESTRIANS AND BICYCLES

There are existing pedestrian facilities/trails on both sides of Sunwood Dr, Dysprosium Rd and CSAH 5. MN-47 has a pedestrian/bicycle path on its east side only. There are marked crosswalks at all intersections that the pedestrian paths cross, as well as push-buttons at both of the stoplight controlled intersections.

PROPOSED DEVELOPMENT

SITE TRIP GENERATION

The trip-generating potential of the proposed development was calculated using the Institute of Transportation Engineers (ITE) *Trip Generation Manual, Eleventh Edition*. Standard ITE trip rates were used to develop the anticipated total trips generated by the site.

The average rate for ITE Land Use Code (LUC) 221 (Multifamily Housing), ITE LUC 251 (Senior Adult Housing – Single-Family), and ITE LUC 252 (Senior Adult Housing – Multi-Family) were used to calculate the trip generation potential of the site. **Table 1** provides a summary of the number of trips anticipated to be generated during the weekday AM and PM peak hours, including internal capture and pass-by reduction.

As shown, the site is anticipated to generate 153 new trips during the AM peak hour (40 entering, 113 exiting), 168 new trips during the PM peak hour (100 entering, 68 exiting), and 161 new trips in the Sunday peak hour (86 entering, 75 exiting).

Table 1 – Site Trip Generation

Land Use Description	Intensity	Daily	AM Peak Hour			SUN Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total	In	Out	Total
Multifamily Housing	303 Units	1,376	26	86	112	53	44	97	72	46	118
Senior Adult Housing – Single-Family (Twin homes)	22 Units	94	2	4	6	3	2	5	4	3	7
Senior Adult Housing – Multi-Family	173 Units	561	12	23	35	30	29	59	24	19	43
Total Vehicle Trips		1,849	40	113	153	86	75	161	100	68	168

For this analysis, it was assumed that all site trips would be new trips and no mode split reductions for trips via transit, bike or walking were used.

SITE TRIP DISTRIBUTION

The site trips were distributed to the adjacent roadways based on the current traffic patterns in the area and a general assessment of the major regional roadways surrounding the study area. In general, the following global trip distribution was assumed for the development:

- 70% to/from the south on MN-47
- 15% to/from the north on MN-47
- 10% to/from the north on CSAH 5
- 5% to/from the south on Dysprosium Road NW

The trip distribution for the primary site-generated traffic is shown in **Exhibit 5.**

SITE ACCESSES AND ASSIGNMENT

The site will include three (3) accesses. The northern access will be via Cobalt St to the north. The Cobalt St access is expected to only be used by vehicles destined to/from the north. The north access along CSAH 5 which leads to the north of the parking lot for the residential and church. All of the residential parking garages would be located closer to the access further to the south on CSAH 5, it is expected that most of the traffic to this access would come from the north along CSAH 5, with only a small percentage of the traffic originating from MN-47 choosing this access. The third access is across from Iodine St on CSAH 5, this access is expected to be the busiest of the three. The two accesses on CSAH 5 are in the same locations as the existing accesses and the Cobalt St access would be an extension of the current dead end road.

The proposed site plan is included in **Appendix C**. The primary site trips were assigned to the study intersections as shown in **Exhibit 6**. The total site-generated trips are depicted in **Exhibit 7.**

CAPACITY ANALYSIS

A capacity analysis was performed to quantify the delay and level of service at the study intersections during the weekday AM and PM peak hours. The capacity analysis was performed using Synchro/SimTraffic. Existing signal timings used in the analysis were used in the 2020 Center Village Traffic Study.

The capacity of an intersection quantifies its ability to accommodate traffic volumes and is measured in average delay per vehicle. It is expressed in terms of level of service (LOS) which ranges from A to F, with LOS A as the highest (best traffic flow and least delay), LOS E as saturated or at-capacity conditions, and LOS F as the lowest (oversaturated conditions). The LOS grades shown below, which are provided in the Transportation Research Board's Highway Capacity Manual (HCM), quantify and categorize the driver's discomfort, frustration, fuel consumption, and travel times experienced as a result of intersection control and the resulting traffic queuing. A detailed description of each LOS rating can be found in **Table 2**. The range of control delay for each rating (as detailed in the HCM) is also shown in Table 2. Because signalized intersections are expected to carry a larger volume of vehicles and stopping is required during red time, higher delays are tolerated for the corresponding LOS ratings.

Table 2 – Level of Service Information

Level of Service	Average Control Delay (seconds/vehicle)	Description
A	0-10 (Unsignalized); 0-10 (Signalized)	Minimal control delay; traffic operates at primarily free-flow conditions; unimpeded movement within traffic stream.
B	>10-15 (Unsignalized); >10-20 (Signalized)	Minor control delay at signalized intersections; traffic operates at a fairly unimpeded level with slightly restricted movement within traffic stream.
C	>15-25 (Unsignalized); >20-35 (Signalized)	Moderate control delay; movement within traffic stream more restricted than at LOS B; formation of queues contributes to lower average travel speeds.
D	>25-35 (Unsignalized); >35-55 (Signalized)	Considerable control delay that may be substantially increased by small increases in flow; average travel speeds continue to decrease.
E	>35-50 (Unsignalized); >55-80 (Signalized)	High control delay; average travel speed no more than 33 percent of free flow speed.
F	>50 (Unsignalized); >80 (Signalized)	Extremely high control delay; extensive queuing and high volumes create exceedingly restricted traffic flow.

Traffic models for each scenario were developed using Synchro/SimTraffic, and the delay and queueing were evaluated for each scenario. The scenarios that were analyzed are as follows:

- Existing Year (2023)
- Opening Year (2027) No-Build
- Opening Year (2027) Build
- Design Year (2040) No-Build
- Design Year (2040) Build

EXISTING YEAR (2023) CONDITIONS

A capacity analysis was performed for Existing Year (2023) conditions in order to develop baseline operating conditions for the current year. The analysis was performed using Synchro/SimTraffic. The three site accesses were modeled with the existing geometry and intersection control. The four study intersections were also modeled with the existing geometry and intersection control as summarized in Exhibit 2. Signal timings were obtained from MnDOT. The traffic volumes are provided in Exhibit 3.

The results of the analysis are provided in **Table 3**.

Table 3 – Existing Year (2023) Intersection Analysis

Lord of Life SimTraffic Delay Summary - Existing AM Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	Delay (sec/veh)	LOS	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	13.7	B	11.0	B	6.9	A	13.9	B
		WB	13.9	B	11.1	B	1.5	A		
		NB	2.0	A	0.8	A	0.2	A		
		SB	-	-	1.3	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	2.1	A	2.4	A	4.5	B
		WB	1.7	A	0.6	A	0.0	A		
		NB	4.5	A	-	-	2.3	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	44.8	D	45.0	D	6.3	A	7.2	A
		WB	40.1	D	41.8	D	5.8	A		
		NB	51.8	D	5.8	A	3.5	A		
		SB	63.6	E	3.5	A	1.6	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	5.1	A	0.0	A	10.0	A	10.0	A
		WB	2.2	A	-	-	-	-		
		NB	0.4	A	0.1	A	1.3	A		
		SB	-	-	0.4	A	1.4	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	2.3	A
		WB	-	-	-	-	2.3	A		
		NB	-	-	0.4	A	-	-		
		SB	-	-	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	10.1	B	-	-	6.3	A	10.1	B
		WB	-	-	-	-	-	-		
		NB	6.1	A	0.7	A	0.2	A		
		SB	0.7	A	1.3	A	0.2	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.2	A	0.8	A	15.2	C
		WB	11.3	B	1.3	A	-	-		
		NB	15.2	C	-	-	5.1	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	23.2	C	34.5	C	3.5	A	16.8	B
		WB	42.1	D	32.8	C	6.6	A		
		NB	46.3	D	6.6	A	1.4	A		
		SB	45.7	D	18.5	B	6.8	A		

Table 3 – Existing Year (2023) Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - Existing PM Peak Hour										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	21.0	C	9.0	A	2.2	A	28.6	D
		WB	28.6	D	15.8	C	1.4	A		
		NB	1.8	A	2.8	A	1.7	A		
		SB	1.2	A	1.1	A	0.3	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	0.0	A	0.0	A	4.5	A
		WB	0.0	A	0.0	A	0.0	A		
		NB	1.1	A	0.3	A	0.7	A		
		SB	4.5	A	2.4	A	1.8	A		
MN-47 & Sunwood Drive	Signal	EB	49.3	D	0.2	A	3.4	A	13.1	B
		WB	59.1	E	72.1	E	0.0	A		
		NB	31.3	C	13.4	B	7.7	A		
		SB	20.1	C	2.9	A	0.0	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	4.6	A	0.0	A	-	-	4.6	A
		WB	-	-	0.0	A	-	-		
		NB	0.3	A	0.5	A	0.0	A		
		SB	-	-	0.5	A	0.1	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	2.4	A
		WB	-	-	-	-	2.4	A		
		NB	-	-	0.4	A	-	-		
		SB	-	-	0.4	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	40.2	E	-	-	2.8	A	40.2	E
		WB	-	-	-	-	-	-		
		NB	-	-	1.3	A	0.0	A		
		SB	7.9	A	0.5	A	-	-		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.4	A	0.3	A	8.4	A
		WB	3.4	A	1.9	A	-	-		
		NB	8.4	A	-	-	3.6	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	58.1	E	26.8	C	1.6	A	20.4	C
		WB	58.3	E	55.6	E	39.3	D		
		NB	40.2	D	9.6	A	2.2	A		
		SB	34.3	C	13.7	B	12.9	B		

Table 3 – Existing Year (2023) Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - Existing Sunday Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	5.2	A	7.2	A	2.5	A	8.5	A
		WB	5.5	A	8.5	A	1.5	A		
		NB	1.4	A	1.2	A	0.1	A		
		SB	-	-	0.8	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.4	A	1.6	A	2.1	A
		WB	1.9	A	1.1	A	0.0	A		
		NB	-	-	-	-	2.1	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	36.6	D	16.1	B	5.6	A	7.1	A
		WB	44.1	D	36.8	D	5.7	A		
		NB	30.1	C	5.7	A	3.2	A		
		SB	31.5	C	2.9	A	0.1	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	4.3	A	0.0	A	2.5	A	4.3	A
		WB	4.2	A	0.0	A	-	-		
		NB	0.4	A	0.6	A	0.1	A		
		SB	-	-	0.4	A	0.6	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	2.6	A
		WB	6.3	A	-	-	2.6	A		
		NB	-	-	0.5	A	-	-		
		SB	-	-	0.3	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	-	-	6.1	A	2.8	A	6.1	A
		WB	4.8	A	5.7	A	2.5	A		
		NB	1.7	A	0.7	A	0.1	A		
		SB	3.2	A	0.6	A	0.1	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.0	A	0.1	A	8.4	A
		WB	4.4	A	1.4	A	-	-		
		NB	8.4	A	-	-	2.6	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	64.2	E	41.1	D	2.0	A	17.3	B
		WB	51.4	D	37.6	D	21.7	C		
		NB	46.7	D	5.2	A	1.4	A		
		SB	68.5	E	14.6	B	3.3	A		

Based on the Existing Year (2023) capacity analysis, the study intersections are anticipated to operate at LOS B or better in the morning and C or better at the evening peak hour. The SimTraffic reports are provided in **Appendix D.** All 95th percentile queues are anticipated to remain within their respective storage bays. All individual movements are anticipated to operate at LOS D or better, except for the following:

During the morning peak hours, the northbound through movement of MN-47 operates at LOS E. This is likely due to the signal timing favoring the southbound through/left movement which sees around four times as much traffic at this time. At the same intersection, the westbound left and through movements are also operating at LOS E in the PM peak hours. Finally, the eastbound left and southbound left intersections operate at LOS E in the Sunday peak, these movements are low volume and are not anticipated to have queuing issues.

All movements at stop-controlled intersections operate at LOS D or better except the eastbound left movement at CSAH 5 & Iodine St which operates at LOS E. Queues for the movement are minimal and delays are expected for minor side street movements along a corridor like CSAH 5.

OPENING YEAR (2027) NO-BUILD CONDITIONS

A capacity analysis was performed for Opening Year (2027) No-Build conditions in order to develop baseline operating conditions for the opening year. The analysis was performed using Synchro/SimTraffic. The three site accesses were modeled with the existing geometry and intersection control. The four study intersections were also modeled with the existing geometry and intersection control. The traffic volumes are provided in **Exhibit 4**. The results of the analysis are provided in **Table 4**.

Table 4 – Opening Year (2027) No-Build Intersection Analysis

Lord of Life SimTraffic Delay Summary - 2027 AM No Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	8.5	A	11.6	B	6.2	A	11.8	B
		WB	11.3	B	11.8	B	2.6	A		
		NB	4.4	A	0.8	A	0.2	A		
		SB	0.7	A	1.3	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	2.3	A	1.5	A	4.4	A
		WB	-	-	1.0	A	0.0	A		
		NB	4.4	A	-	-	2.2	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	46.6	D	50.1	D	7.6	A	8.7	A
		WB	44.2	D	48.4	D	5.4	A		
		NB	38.8	D	5.4	A	3.1	A		
		SB	50.9	D	4.3	A	1.1	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	5.1	A	0.0	A	9.8	A	9.8	A
		WB	3.2	A	-	-	-	-		
		NB	0.6	A	0.0	A	1.3	A		
		SB	-	-	0.4	A	1.5	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	1.4	A
		WB	-	-	-	-	1.4	A		
		NB	-	-	0.3	A	-	-		
		SB	-	-	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	8.9	A	-	-	7.5	A	8.9	A
		WB	-	-	-	-	-	-		
		NB	6.0	A	0.6	A	0.2	A		
		SB	1.8	A	1.3	A	0.2	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.2	A	0.8	A	14.1	B
		WB	8.8	A	1.2	A	-	-		
		NB	14.1	B	-	-	6.0	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	39.0	D	37.0	D	3.6	A	17.1	B
		WB	48.5	D	34.9	C	8.5	A		
		NB	47.3	D	6.0	A	1.6	A		
		SB	44.0	D	18.2	B	6.4	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 4 – Opening Year (2027) No-Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary – 2027 No Build PM Peak Hour										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	20.2	C	20.0	C	6.9	A	20.2	C
		WB	19.5	C	5.6	A	-	-		
		NB	3.5	A	4.3	A	1.3	A		
		SB	3.9	A	1.0	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	2.0	A	1.3	A	2.0	A
		WB	0.0	A	0.0	A	0.0	A		
		NB	-	-	-	-	2.0	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	16.7	B	74.5	E	3.9	A	12.7	B
		WB	66.3	E	0.0	A	3.2	A		
		NB	-	-	13.8	B	6.9	A		
		SB	35.3	D	1.6	A	-	-		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	6.7	A	0.0	A	3.3	A	14.5	B
		WB	14.5	B	0.0	A	-	-		
		NB	0.6	A	1.6	A	-	-		
		SB	0.2	A	0.6	A	-	-		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	0.8	A
		WB	-	-	-	-	-	-		
		NB	-	-	0.8	A	-	-		
		SB	-	-	0.6	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	-	-	-	-	5.0	A	7.0	A
		WB	-	-	-	-	5.5	A		
		NB	-	-	1.7	A	0.8	A		
		SB	7.0	A	0.8	A	-	-		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.8	A	0.3	A	18.7	C
		WB	3.0	A	2.3	A	-	-		
		NB	18.7	C	-	-	3.7	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	59.2	E	42.2	D	2.2	A	21.5	C
		WB	24.6	C	53.4	D	27.1	C		
		NB	40.1	D	11.6	B	2.0	A		
		SB	42.2	D	20.6	C	2.2	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Lord of Life SimTraffic Delay Summary - Sunday 2027 No Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	4.5	A	7.8	A	1.6	A	7.8	A
		WB	6.4	A	6.5	A	1.4	A		
		NB	1.7	A	1.3	A	0.5	A		
		SB	-	-	0.6	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.3	A	1.3	A	2.0	A
		WB	2.0	A	0.9	A	0.0	A		
		NB	-	-	-	-	2.0	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	76.4	E	48.8	D	4.0	A	7.0	A
		WB	36.0	D	57.2	E	3.1	A		
		NB	45.6	D	5.4	A	2.6	A		
		SB	29.3	C	3.7	A	0.8	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	-	-	0.0	A	2.7	A	4.2	A
		WB	4.2	A	0.0	A	-	-		
		NB	0.5	A	0.8	A	0.1	A		
		SB	-	-	0.4	A	0.1	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	5.5	A
		WB	5.5	A	-	-	3.5	A		
		NB	-	-	0.6	A	-	-		
		SB	-	-	0.2	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	-	-	9.8	A	2.5	A	9.8	A
		WB	4.4	A	-	-	-	-		
		NB	1.6	A	0.9	A	0.0	A		
		SB	2.7	A	0.4	A	0.0	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.0	A	0.2	A	4.6	A
		WB	4.1	A	1.9	A	-	-		
		NB	4.6	A	-	-	1.6	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	58.6	E	32.2	C	1.7	A	20.0	B
		WB	55.0	D	43.2	D	11.1	B		
		NB	55.5	E	7.5	A	1.4	A		
		SB	56.4	E	15.1	B	6.0	A		

With the addition of background traffic growth, the study area intersections are projected to experience very little change in delay with the majority of movements and approaches projected to operate at the same LOS as compared to existing conditions. All intersections operate at the same level of service as the existing conditions and no movement has significantly worsened delay.

The SimTraffic reports are provided in **Appendix D.** All 95th percentile queues are anticipated to remain within their respective storage bays.

OPENING YEAR (2027) BUILD CONDITIONS

Opening Year (2027) Build conditions were analyzed to determine any traffic impacts from the addition of the site traffic to the study intersections. The site accesses were modeled as side street stop control. Opening Year (2027) Build turning movement volumes were developed by adding the site trips in **Exhibit 8** to the Opening Year (2027) No-Build turning movement volumes in **Exhibit 4**. The Opening Year (2027) Build turning movement volumes are shown in **Exhibit 8**. The results of the analysis are provided in **Table 5**.

Table 5 – Opening Year (2027) Build Intersection Analysis

Lord of Life SimTraffic Delay Summary - 2027 AM Build Peak Traffic											
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	7.3	A	10.9	B	6.3	A	13.0	B
		WB	12.6	B	13.0	B	2.9	A		
		NB	3.1	A	0.8	A	0.1	A		
		SB	0.5	A	1.3	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	2.2	A	2.0	A	4.6	A
		WB	1.9	A	1.1	A	0.0	A		
		NB	4.6	A	-	-	2.6	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	31.2	C	43.4	D	6.5	A	8.8	A
		WB	44.3	D	44.9	D	8.6	A		
		NB	48.3	D	5.3	A	2.9	A		
		SB	44.1	D	4.5	A	1.4	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	6.4	A	0.0	A	8.1	A	6.4	A
		WB	2.7	A	-	-	-	-		
		NB	0.5	A	0.0	A	1.4	A		
		SB	-	-	0.8	A	1.5	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	10.0	A
		WB	10.0	A	-	-	3.0	A		
		NB	-	-	0.4	A	0.0	A		
		SB	1.0	A	0.8	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	11.6	B	-	-	15.5	C	24.5	C
		WB	24.5	C	-	-	18.2	C		
		NB	9.6	A	0.7	A	0.4	A		
		SB	1.7	A	2.1	A	0.4	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.7	A	1.1	A	25.2	D
		WB	12.6	B	1.2	A	-	-		
		NB	25.2	D	-	-	10.7	B		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	36.8	D	37.7	D	4.0	A	17.6	B
		WB	46.7	D	34.5	C	9.1	A		
		NB	45.8	D	5.9	A	1.2	A		
		SB	46.8	D	18.9	B	7.1	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 5 – Opening Year (2027) Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - 2027 Build PM Peak Hour										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	13.0	B	12.9	B	7.1	A	20.6	C
		WB	20.6	C	12.8	B	2.7	A		
		NB	3.9	A	0.9	A	0.2	A		
		SB	1.3	A	1.8	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	0.9	A	1.3	A	4.6	A
		WB	0.0	A	1.0	A	0.0	A		
		NB	4.6	A	-	-	2.1	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	48.1	D	2.3	A	13.3	B	8.5	A
		WB	49.1	D	63.2	E	10.2	B		
		NB	70.3	E	7.3	A	2.8	A		
		SB	37.2	E	4.1	A	0.6	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	19.2	C	0.0	A	5.0	A	19.2	C
		WB	8.4	A	0.0	A	-	-		
		NB	2.3	A	0.3	A	0.0	A		
		SB	-	-	1.5	A	1.0	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	0.7	A
		WB	-	-	-	-	-	-		
		NB	-	-	0.3	A	-	-		
		SB	0.3	A	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	26.8	D	-	-	18.5	C	26.8	D
		WB	23.8	C	-	-	14.6	B		
		NB	5.2	A	0.6	A	0.3	A		
		SB	2.8	A	1.9	A	0.4	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.6	A	1.1	A	18.5	C
		WB	7.6	A	1.0	A	-	-		
		NB	18.5	C	-	-	8.2	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	51.2	D	41.5	D	3.5	A	21.7	C
		WB	52.8	D	46.0	D	21.1	C		
		NB	45.6	D	7.6	A	1.3	A		
		SB	64.2	E	30.0	C	7.6	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Lord of Life SimTraffic Delay Summary - Sunday 2027 Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	15.5	C	17.0	C	5.8	A	19.2	C
		WB	19.2	C	13.6	B	1.7	A		
		NB	4.3	A	1.1	A	0.2	A		
		SB	1.3	A	1.8	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.1	A	0.3	A	4.1	A
		WB	0.0	A	0.8	A	0.0	A		
		NB	4.1	A	-	-	2.3	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	43.6	D	33.6	C	4.8	A	8.4	A
		WB	40.3	D	41.0	D	10.0	A		
		NB	28.4	C	4.1	A	1.1	A		
		SB	77.1	E	5.6	A	0.6	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	8.1	A	0.0	A	6.2	A	15.3	C
		WB	15.3	C	0.0	A	-	-		
		NB	4.7	A	0.6	A	0.0	A		
		SB	-	-	1.6	A	0.0	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	2.5	A
		WB	-	-	-	-	2.5	A		
		NB	-	-	0.3	A	0.0	A		
		SB	0.3	A	0.8	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	5.5	A	-	-	17.7	C	19.5	C
		WB	19.5	C	-	-	7.6	A		
		NB	8.1	A	0.6	A	0.4	A		
		SB	2.1	A	2.1	A	0.4	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.8	A	1.2	A	25.1	D
		WB	15.8	C	1.1	A	-	-		
		NB	25.1	D	-	-	6.5	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	65.5	E	47.9	D	4.2	A	17.3	B
		WB	45.6	D	39.2	D	4.2	A		
		NB	52.4	D	7.2	A	1.0	A		
		SB	58.1	E	16.1	B	6.4	A		

With the addition of site-generated traffic, the study area intersections are projected to experience very little change in delay with all of the intersections and almost all movements operating at the same level of service. A few of the left turn movements do however operate very close to level of service F which is not ideal but is considered acceptable for low volume movements.

The SimTraffic reports are provided in **Appendix D**.

HORIZON YEAR (2040) NO-BUILD CONDITIONS

A capacity analysis was performed for Horizon Year (2040) No-Build conditions in order to develop baseline operating conditions for the design year. The two site accesses were modeled with the existing geometry and intersection control. The traffic volumes are provided in Exhibit 5. The results of the analysis are provided in **Table 6.**

Table 6 – Horizon Year (2040) No-Build Intersection Analysis

Lord of Life SimTraffic Delay Summary - 2040 AM No Build Peak Traffic											
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	13.6	B	12.3	B	7.6	A	15.4	C
		WB	13.6	B	15.4	C	2.1	A		
		NB	5.0	A	1.2	A	0.2	A		
		SB	0.5	A	1.4	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.8	A	1.9	A	4.2	A
		WB	-	-	1.1	A	0.0	A		
		NB	4.2	A	-	-	2.4	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	44.9	D	38.0	D	7.3	A	8.2	A
		WB	48.9	D	39.6	D	5.2	A		
		NB	59.5	E	5.7	A	3.2	A		
		SB	53.5	D	4.2	A	0.9	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	7.8	A	0.0	A	10.6	B	10.6	B
		WB	4.2	A	-	-	-	-		
		NB	0.6	A	0.0	A	1.5	A		
		SB	-	-	0.4	A	1.7	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	3.1	A
		WB	-	-	-	-	3.1	A		
		NB	-	-	0.4	A	-	-		
		SB	-	-	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	25.0	C	-	-	9.5	A	25.0	C
		WB	-	-	-	-	-	-		
		NB	6.0	A	0.7	A	0.2	A		
		SB	1.7	A	1.5	A	0.3	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.6	A	1.0	A	18.1	C
		WB	13.2	B	1.3	A	-	-		
		NB	18.1	C	-	-	7.4	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	36.9	D	34.9	C	4.0	A	17.7	B
		WB	50.4	D	32.5	C	5.9	A		
		NB	46.1	D	6.4	A	1.6	A		
		SB	47.3	D	19.1	B	6.2	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 6 – Horizon Year (2040) No-Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - 2040 PM No Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	11.4	B	15.8	C	3.8	A	15.8	C
		WB	14.3	B	13.4	B	3.5	A		
		NB	4.3	A	4.4	A	1.3	A		
		SB	2.7	A	1.3	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.2	A	1.1	A	4.1	A
		WB	3.0	A	1.2	A	0.0	A		
		NB	4.1	A	-	-	1.9	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	60.1	E	64.7	E	14.1	B	14.0	B
		WB	58.6	E	57.1	E	15.5	B		
		NB	60.0	E	13.7	B	8.5	A		
		SB	64.9	E	3.8	A	1.0	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	3.9	A	0.0	A	10.7	B	10.7	B
		WB	2.1	A	-	-	-	-		
		NB	1.3	A	0.1	A	3.8	A		
		SB	1.0	A	0.5	A	1.3	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	14.1	B
		WB	14.1	B	-	-	5.4	A		
		NB	-	-	0.9	A	-	-		
		SB	-	-	0.6	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	12.5	B	-	-	3.5	A	15.4	C
		WB	15.4	C	-	-	10.6	B		
		NB	-	-	1.8	A	0.3	A		
		SB	5.5	A	0.8	A	0.2	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.8	A	0.2	A	17.0	C
		WB	7.0	A	3.0	A	-	-		
		NB	17.0	C	-	-	5.5	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	55.2	E	37.3	D	2.5	A	22.7	C
		WB	46.4	D	45.2	D	29.6	C		
		NB	50.9	D	11.9	B	2.3	A		
		SB	50.9	D	20.8	C	5.3	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Lord of Life SimTraffic Delay Summary - 2040 SUN No Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	5.4	A	7.8	A	2.2	A	7.8	A
		WB	5.7	A	7.9	A	2.4	A		
		NB	1.2	A	1.2	A	0.2	A		
		SB	-	-	0.7	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.2	A	1.5	A	2.5	A
		WB	2.5	A	0.7	A	0.0	A		
		NB	2.1	A	-	-	1.6	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	37.4	D	29.8	C	6.3	A	6.5	A
		WB	39.7	D	31.1	C	2.0	A		
		NB	43.7	D	5.2	A	3.4	A		
		SB	39.3	D	3.2	A	0.5	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	2.8	A	0.0	A	6.0	A	6.0	A
		WB	1.2	A	-	-	-	-		
		NB	0.6	A	0.1	A	0.5	A		
		SB	-	-	0.3	A	0.7	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	5.8	A
		WB	5.8	A	-	-	3.2	A		
		NB	-	-	0.4	A	-	-		
		SB	-	-	0.3	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	8.8	A	3.3	A	2.9	A	15.3	C
		WB	6.8	A	15.3	C	2.3	A		
		NB	2.1	A	0.7	A	0.1	A		
		SB	1.7	A	0.5	A	0.1	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.0	A	0.2	A	6.5	A
		WB	4.3	A	1.5	A	-	-		
		NB	6.5	A	-	-	2.2	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	46.8	D	42.2	D	2.0	A	17.6	B
		WB	55.5	E	45.7	D	11.9	B		
		NB	50.6	D	5.7	A	1.3	A		
		SB	62.0	E	13.1	B	4.9	A		

With additional background traffic growth, the study area intersections are projected to experience some change in delay, with some of movements and approaches projected to operate at a lower LOS as compared to the Opening Year (2027) No-Build Conditions. The network is expected to need new signal timings in order to operate at an acceptable level of service. Specifically, the stoplight at MN-47 & Sunwood Drive may need protected left turn phases in order for the left turn movements to operate at a LOS of D or better.

The SimTraffic reports are provided in **Appendix D**.

HORIZON YEAR (2040) BUILD CONDITIONS

The Horizon Year (2040) Build traffic volumes were developed from the addition of the Horizon Year (2040) No-Build volumes in Exhibit 5 and the Site Trips in Exhibit 7. **Exhibit 9** shows the Horizon Year (2040) Build turning movement volumes. The site accesses were modeled as side street stop control. The results of the analysis are provided in **Table 7**.

Table 7 – Horizon Year (2040) Build Intersection Analysis

Lord of Life SimTraffic Delay Summary - AM 2040 Build Peak Traffic											
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	15.5	C	11.7	B	6.4	A	15.5	C
		WB	10.4	B	11.3	B	2.8	A		
		NB	4.2	A	1.1	A	0.2	A		
		SB	0.3	A	1.5	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.7	A	2.0	A	4.4	A
		WB	2.7	A	0.7	A	0.0	A		
		NB	4.4	A	-	-	2.4	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	49.0	D	40.7	D	4.5	A	8.3	A
		WB	39.9	D	37.0	D	2.3	A		
		NB	39.3	D	4.4	A	2.7	A		
		SB	65.7	E	5.3	A	0.9	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	60.2	F	0.0	A	5.9	A	60.2	F
		WB	9.9	A	0.0	A	-	-		
		NB	6.2	A	1.2	A	0.0	A		
		SB	-	-	1.4	A	0.5	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	10.0	A
		WB	10.0	A	-	-	2.3	A		
		NB	-	-	0.4	A	0.0	A		
		SB	-	-	0.8	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	12.7	B	-	-	30.8	D	31.5	D
		WB	31.5	D	-	-	8.4	A		
		NB	6.8	A	0.8	A	0.3	A		
		SB	1.7	A	2.1	A	0.7	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	3.1	A	1.1	A	35.7	E
		WB	15.3	C	1.3	A	-	-		
		NB	35.7	E	-	-	16.2	C		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	36.4	D	32.3	C	4.7	A	19.6	B
		WB	41.4	D	35.4	D	14.2	B		
		NB	62.9	E	6.3	A	2.2	A		
		SB	53.1	D	21.1	C	8.1	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 7 – Design Year (2040) Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - SUN 2040 Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	4.7	A	9.2	A	2.7	A	7.5	A
		WB	7.5	A	6.1	A	1.8	A		
		NB	1.5	A	1.3	A	0.4	A		
		SB	-	-	0.7	A	0.1	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.3	A	0.9	A	2.3	A
		WB	2.1	A	0.7	A	0.0	A		
		NB	-	-	-	-	2.3	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	38.1	D	27.7	C	4.8	A	6.9	A
		WB	41.8	D	70.0	E	8.7	A		
		NB	38.3	D	5.9	A	3.8	A		
		SB	65.5	E	3.0	A	0.6	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	2.9	A	0.0	A	6.9	A	6.9	A
		WB	1.1	A	-	-	-	-		
		NB	0.8	A	0.1	A	0.5	A		
		SB	-	-	0.2	A	0.7	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	5.7	A
		WB	5.7	A	-	-	3.2	A		
		NB	-	-	0.7	A	0.1	A		
		SB	2.6	A	0.4	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	-	-	11.1	B	3.6	A	11.1	B
		WB	7.9	A	6.0	A	3.3	A		
		NB	2.3	A	1.0	A	0.5	A		
		SB	1.3	A	0.8	A	1.7	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	1.4	A	0.3	A	7.0	A
		WB	5.3	A	1.3	A	-	-		
		NB	7.0	A	-	-	3.0	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	55.4	E	34.0	C	2.1	A	19.3	B
		WB	52.4	D	50.0	D	14.7	B		
		NB	47.2	D	6.8	A	1.2	A		
		SB	61.7	E	16.3	B	5.4	A		

For Side Street Stop intersections, the worst individual movement was reported for the overall intersection LOS.

Table 7 – Design Year (2040) Build Intersection Analysis (Cont.)

Lord of Life SimTraffic Delay Summary - PM 2040 Build Peak Traffic										
Intersection	Control	Approach	Operations by Movement						Overall Intersection	
			Left		Through		Right			
			Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
CSAH 5 & Sunwood Drive	Minor Road Stop	EB	18.4	C	14.1	B	3.1	A	19.3	C
		WB	19.3	C	17.1	C	3.9	A		
		NB	5.0	A	5.5	A	1.6	A		
		SB	1.0	A	1.1	A	0.2	A		
Sunwood Drive & Cobalt Street	Minor Road Stop	EB	0.0	A	1.4	A	0.5	A	2.9	A
		WB	2.6	A	1.2	A	0.0	A		
		NB	-	-	-	-	2.9	A		
		SB	-	-	-	-	-	-		
MN-47 & Sunwood Drive	Signal	EB	67.0	E	57.6	E	7.6	A	14.7	B
		WB	59.4	E	59.9	E	10.5	B		
		NB	76.1	E	13.0	B	7.1	A		
		SB	62.4	E	5.2	A	0.4	A		
CSAH 5 & 146th Avenue	Minor Road Stop	EB	17.5	C	0.0	A	3.0	A	17.5	C
		WB	11.3	B	0.0	A	-	-		
		NB	2.1	A	1.2	A	0.4	A		
		SB	1.5	A	0.8	A	0.1	A		
CSAH 5 & Lord of Life Access	Minor Road Stop	EB	-	-	-	-	-	-	14.1	B
		WB	14.1	B	-	-	3.6	A		
		NB	-	-	1.1	A	0.7	A		
		SB	3.8	A	0.7	A	-	-		
CSAH 5 & Iodine Street	Minor Road Stop	EB	13.5	B	-	-	5.1	A	18.5	C
		WB	18.5	C	-	-	6.5	A		
		NB	0.2	A	2.1	A	0.7	A		
		SB	6.9	A	1.1	A	0.0	A		
CSAH 5 & Dysprosium Street	Minor Road Stop	EB	-	-	2.1	A	0.6	A	20.4	C
		WB	8.2	A	3.1	A	-	-		
		NB	20.4	C	-	-	5.3	A		
		SB	-	-	-	-	-	-		
MN-47 & CSAH 5	Signal	EB	70.1	E	38.3	D	2.7	A	25.0	C
		WB	51.2	D	48.0	D	29.7	C		
		NB	50.7	D	11.8	B	2.5	A		
		SB	51.6	D	26.6	C	6.6	A		

With additional site traffic and background traffic growth, the study area intersections are projected to experience some change in delay, with some of movements and approaches projected to operate at a lower LOS as compared to Opening Year (2027) Build Conditions. The network is not expected to need significant mitigations along the corridor in order to operate at acceptable levels. Some minor changes at

the two signal-controlled intersections might be necessary, especially regarding timing. The signal timings were optimized when the 2040 builds were run but the phasing and cycle length were unchanged.

The LOS of the intersections is the same as in the 2040 no build scenario and the delays saw only a slight increase at most intersections as a result of the build. The LOS of the EBL and WBL turning movements worsened as a result of the project, both from LOS D to LOS E. The stoplight may need a protected left phase at the PM peak hour for these movements similar to what the NBL and SBL movements already have.

The project could also exacerbate the aforementioned issue with the left turns at the MN-47 & Sunwood Dr intersection, since these movements show higher delays and in some cases LOS when compared to the 2040 No Build Scenario.

The SimTraffic reports are provided in **Appendix D**.

TURN LANE WARRANTS AT NORTH SITE ACCESS

While the operations at the north site access are acceptable in all analysis scenarios, turn lane warrants were analyzed for the intersection in the build condition as the access is proposed to be converted from an exit only to full access. The necessity of southbound left turn lane and northbound right turn lane at CSAH 5 and the north site access was analyzed using NCHRP Report 457 – Evaluating Intersection Improvements: An Engineering Study Guide. CSAH 5 has a posted speed limit of 50 mph

The guidelines from NCHRP Report 457 recommend that if the plotted volumes are to the right of the curves for the speed of the major road listed, a right turn lane be considered. The PM Peak hour is the highest of the three peak hours in terms of volumes at the intersection. **Table 8** summarizes the results from Figure 2-6 from NCHRP Report 457. A northbound right turn lane is not warranted in 2027 or 2040.

Table 8 – Right-Turn Lane Warrants

Condition	Major Road Volume (veh/h)	Right Turn Volume (veh/h)	Limiting Right Turn Volume (veh/h)	Right Turn Warranted yes/no?
2027 – PM Peak Hour	442	5	28	No
2040 – PM Peak Hour	496	5	25	No

The guidelines from NCHRP Report 457 recommend that if the plotted volumes are to the right of the curves for the speed of the major road listed, a left turn lane be considered. The PM Peak hour is the highest of the three peak hours in terms of volumes at the intersection **Table 9** summarizes the results from Figure 2-5 from NCHRP Report 457. A southbound left turn lane is not warranted in 2027 or 2040.

Table 9 – Left-Turn Lane Warrants

Year of Build Condition	85th Percentile Speed (mph)	Percent Left in Advancing Volume	Advancing Volume (veh/h)	Opposing Volume (veh/h)	Left Turn Warranted yes/no?
2027	50	1	464	442	No
2040	50	1	520	496	No

CONCLUSIONS AND RECOMMENDATIONS

Presbyterian Homes is proposing a residential development consisting of 303 total Multifamily Housing Units, 173 units of Senior Adult Multifamily Housing building, and 22 Senior Single-family housing units. For a total of 498 housing units on site. The development is located on the block northwest of MN-47 (St Francis Blvd) & CSAH 5 (Nowthen Blvd) which is the area around the Lord of Life Church. The church will remain on site. The site is anticipated to generate 153 new trips during the AM peak hour (40 entering, 113 exiting), 168 new trips during the PM peak hour (100 entering, 68 exiting), and 161 new trips in the Sunday peak hour (86 entering, 75 exiting).

The site will include three (3) accesses. The northern access will be via Cobalt St to the north. The north access along CSAH 5 which leads to the north of the parking lot for the residential and church. The third access is across from Iodine St on CSAH 5, this access is expected to be the busiest of the three. The two accesses on CSAH 5 are in the same locations as the existing accesses and the Cobalt St access would be an extension of the current dead-end road.

A capacity analysis was performed for Existing Year (2023), Opening Year (2027) No-Build, Opening Year (2027) Build, Horizon Year (2040) No-Build, and Horizon Year (2040) Build. In all scenarios, the study intersections are anticipated to operate at LOS D or better in the weekday AM and PM peak hours as well as the Sunday peak hours. Analysis showed that the build conditions have minimal impacts on the LOS at the study area intersections. It is anticipated that all intersections will operate at acceptable LOS in the build conditions. There are some longer delays (LOS E/F) for minor side street movements at intersections along CSAH 5, however there is minimal queuing and anticipated delays are not uncommon on a higher volume corridor like CSAH 5.

No changes to the road geometry are necessary based on the operational analysis results with the addition of development traffic. Side-street stop control is adequate at the site accesses.

APPENDIX

A. Exhibits

B. Turning Movement Counts

C. Site Layout Exhibit

D. SimTraffic Analysis Results

A. Exhibits

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EXHIBIT 1

PROJECT LOCATION MAP

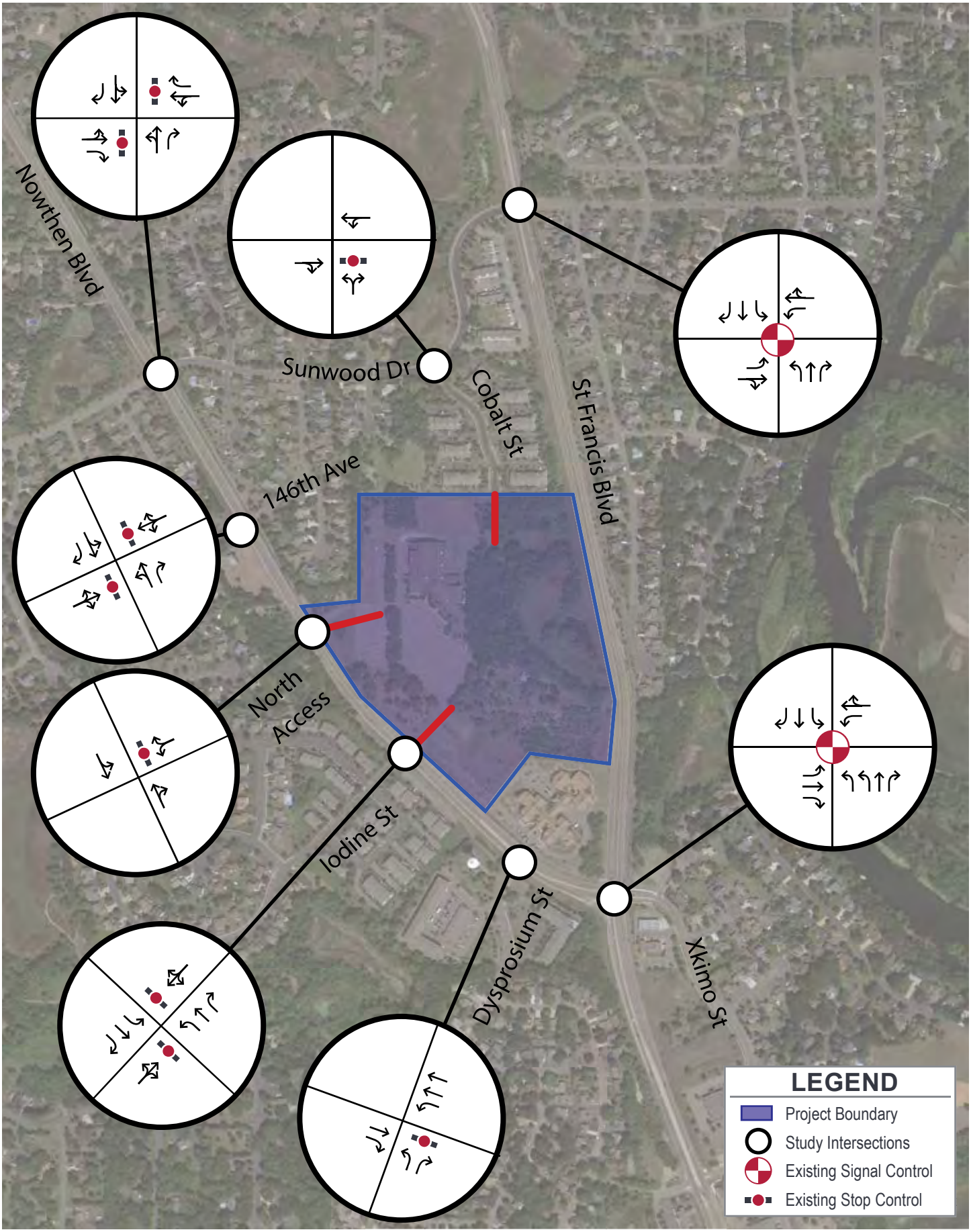

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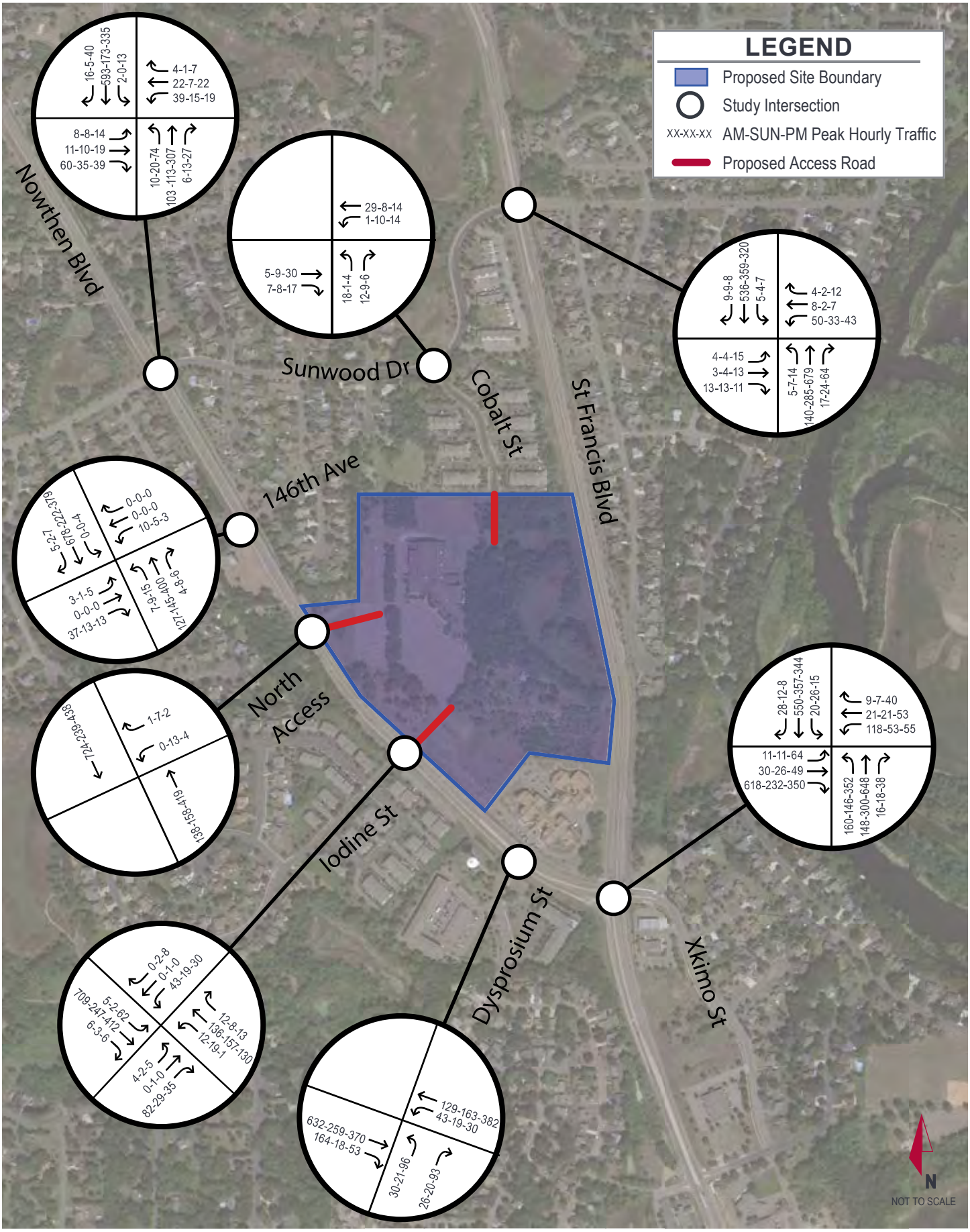
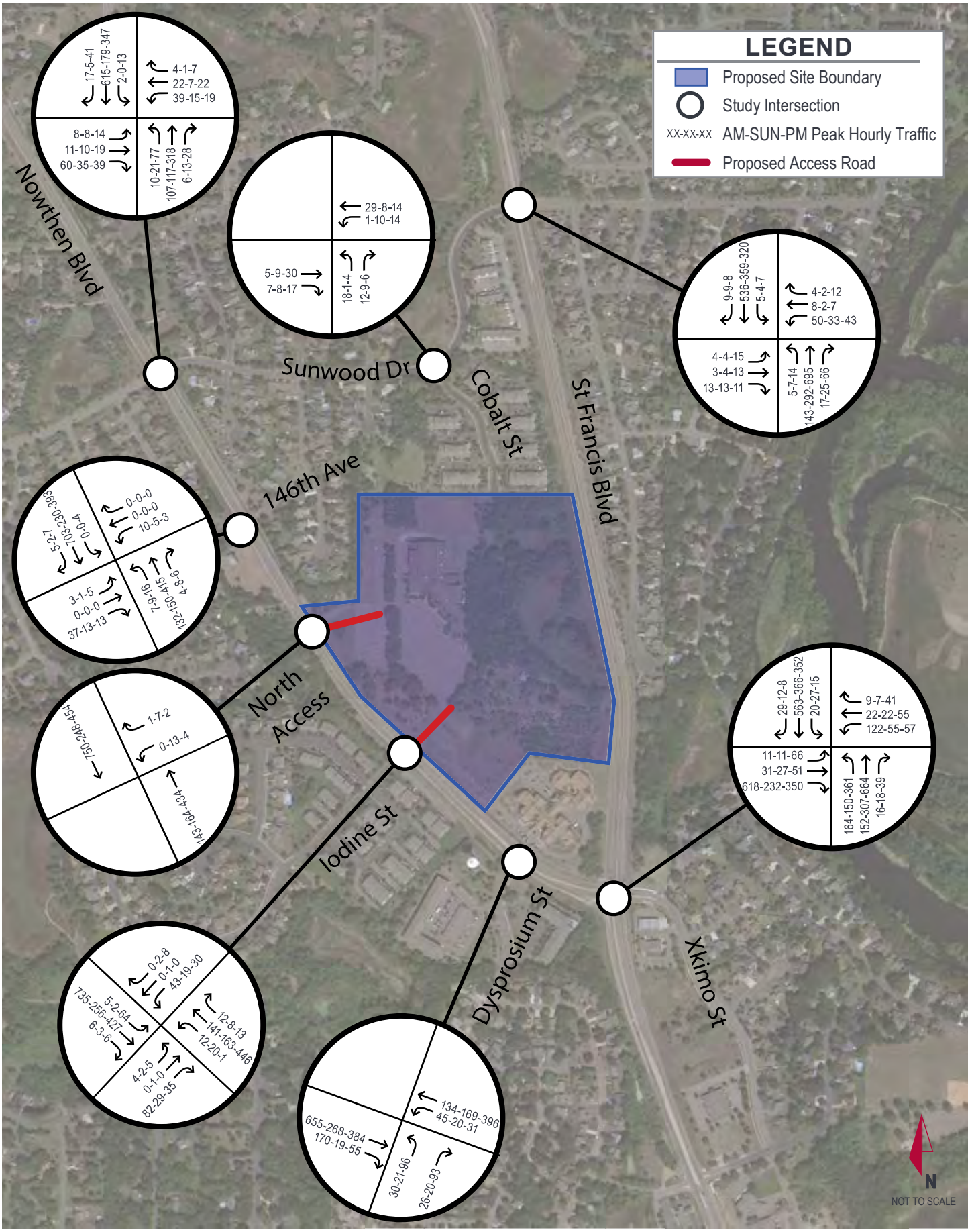
EXHIBIT 2
EXISTING GEOMETRY AND INTERSECTION CONTROL



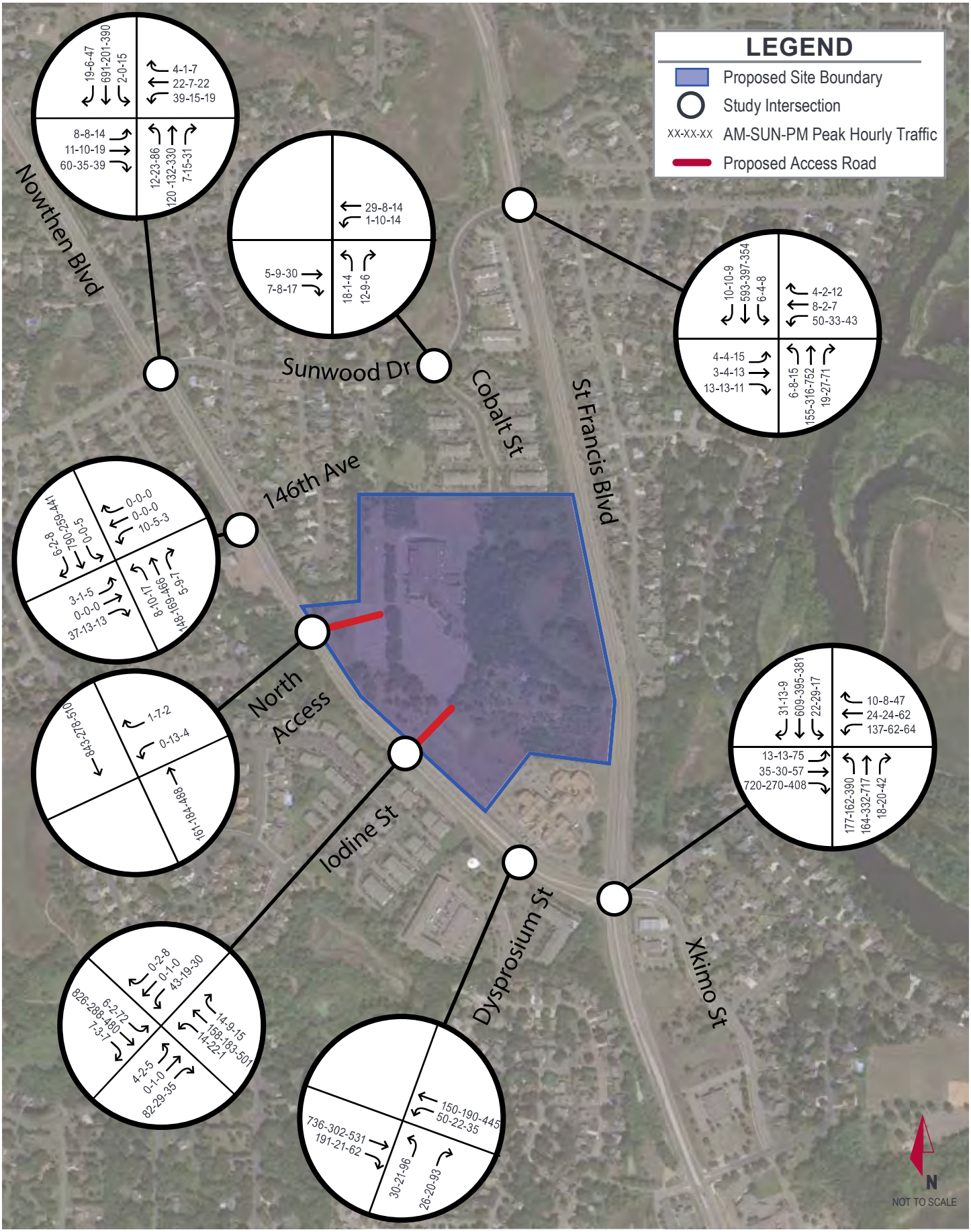
Kimley»Horn

EXHIBIT 3
EXISTING TRAFFIC VOLUMES



Kimley»Horn

EXHIBIT 4
NO BUILD SCENARIO 2027
TRAFFIC VOLUMES



Kimley»Horn

EXHIBIT 5

NO BUILD SCENARIO 2040

TRAFFIC VOLUMES

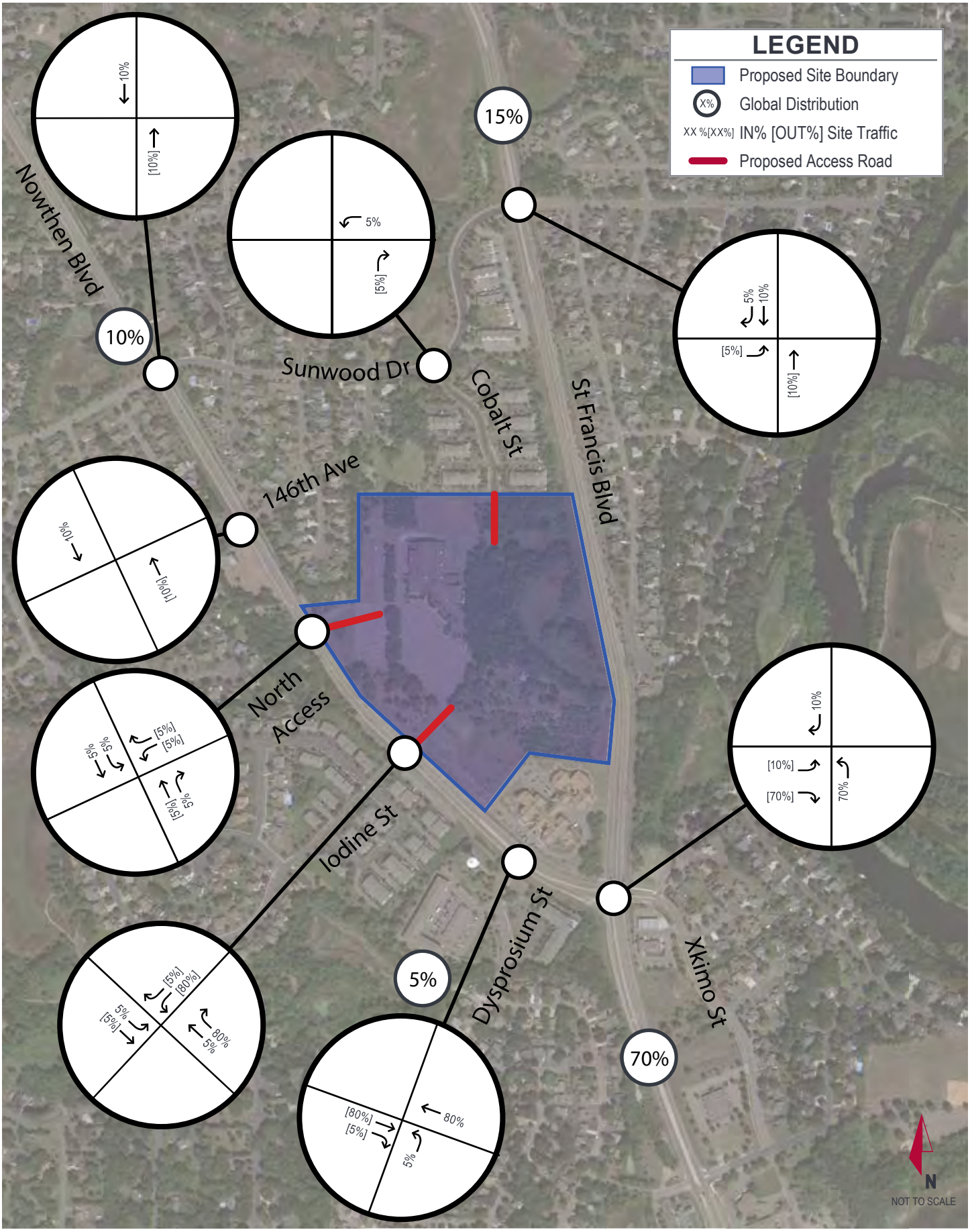


EXHIBIT 6

PROJECT TRIP DISTRIBUTION

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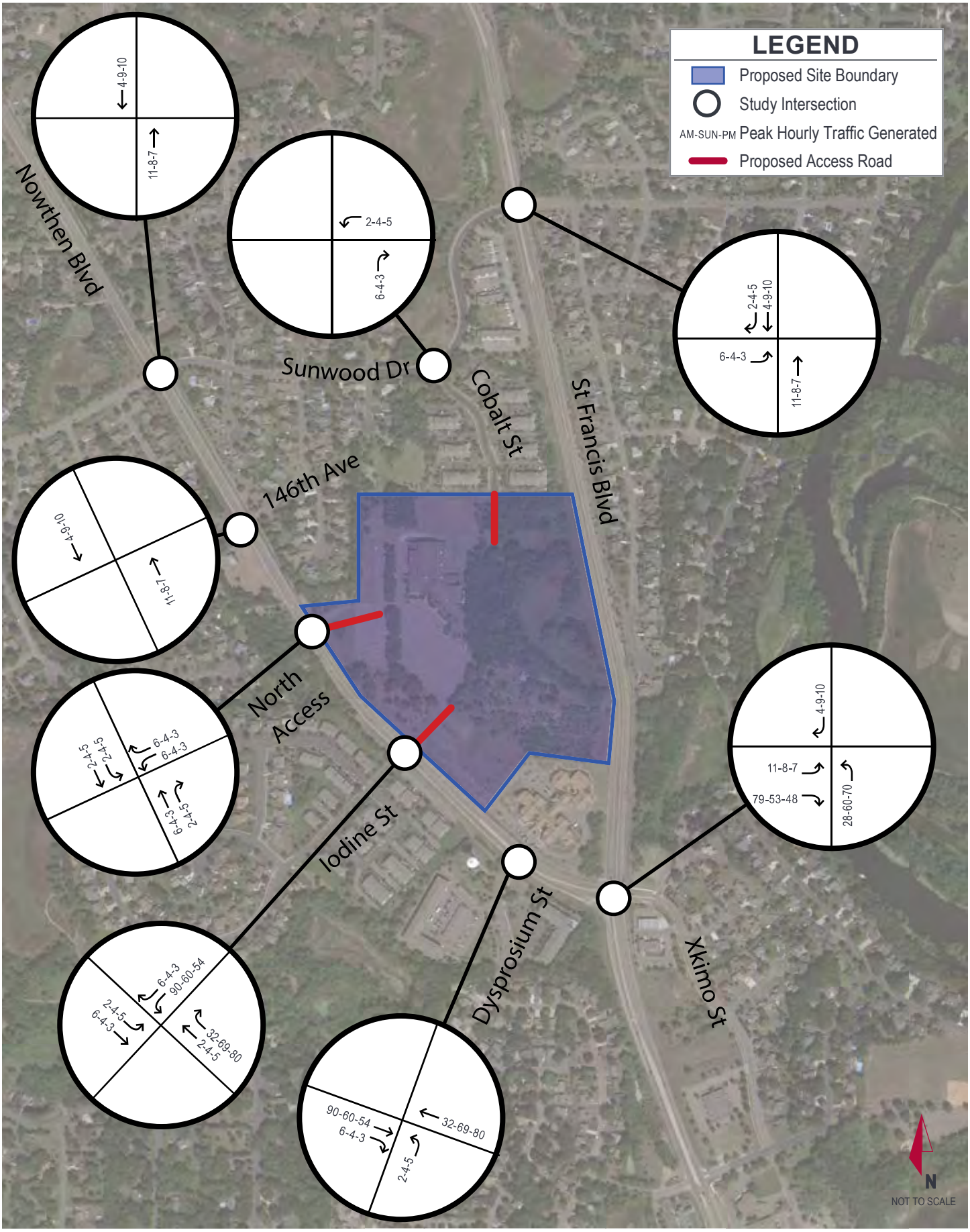

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EXHIBIT 7

TOTAL SITE GENERATED TRIPS

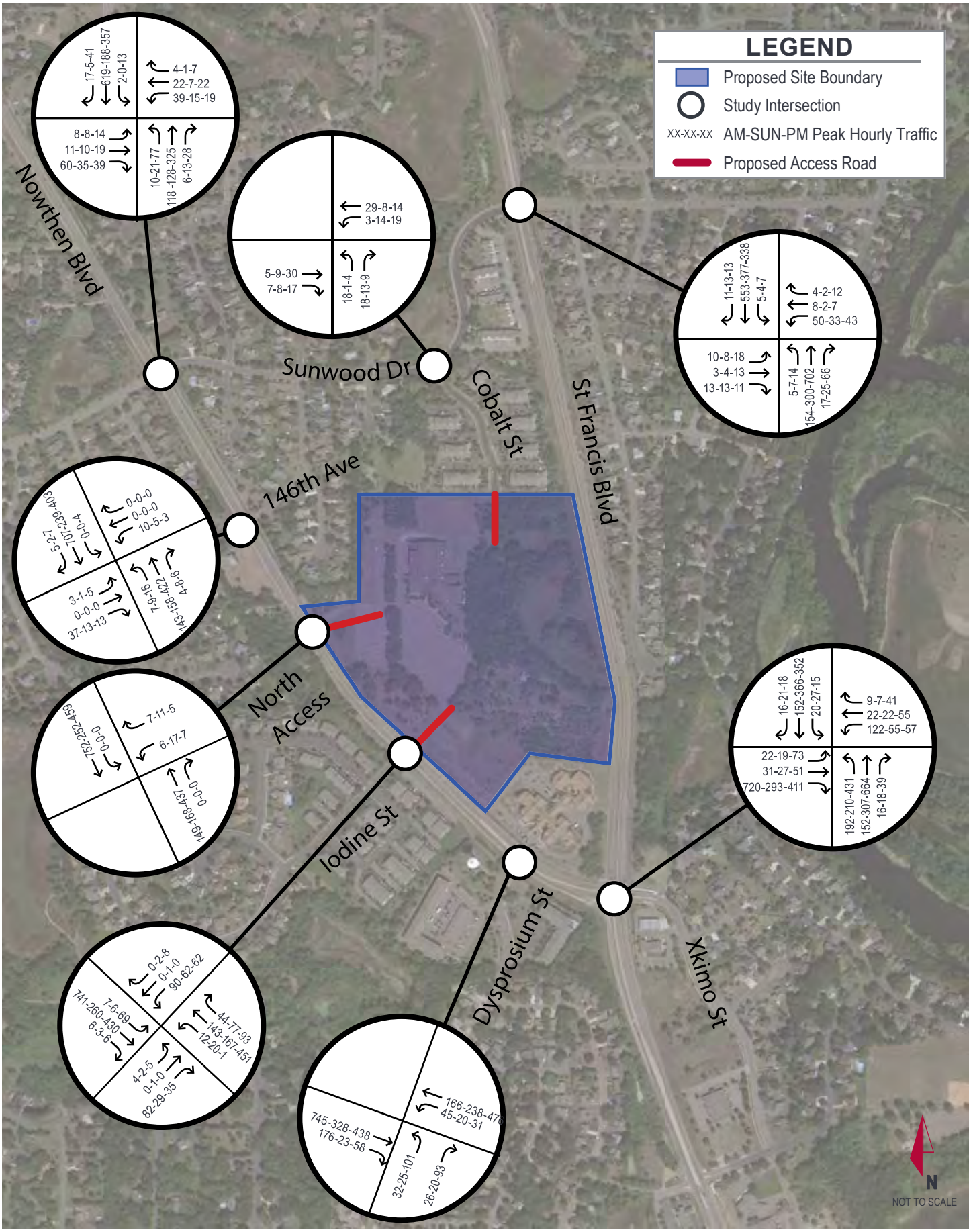

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EXHIBIT 8
BUILD SCENARIO 2027
TRAFFIC VOLUMES

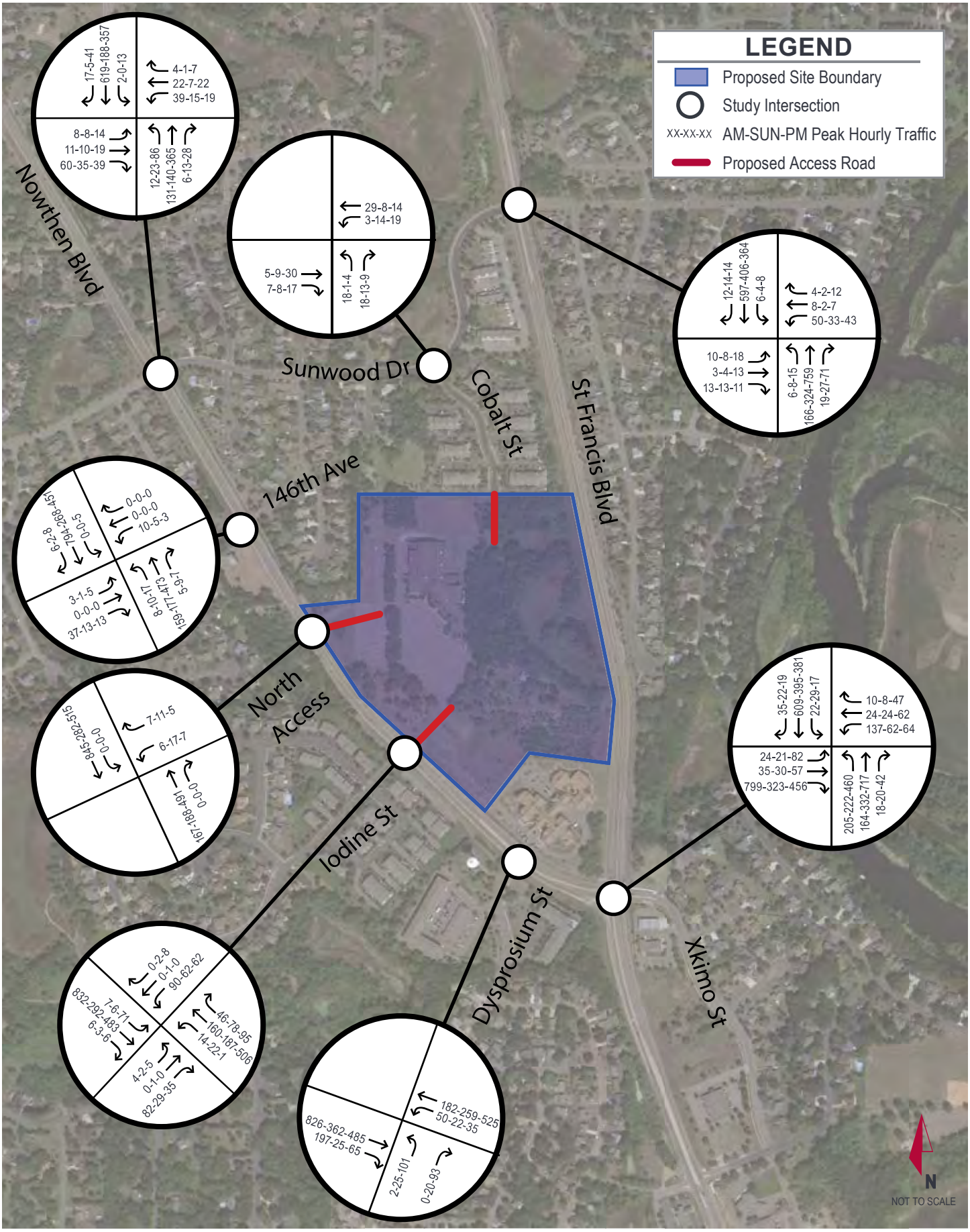

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EXHIBIT 9
BUILD SCENARIO 2040 TRAFFIC VOLUMES

B. Turning Movement Counts

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

Turning Movement Data

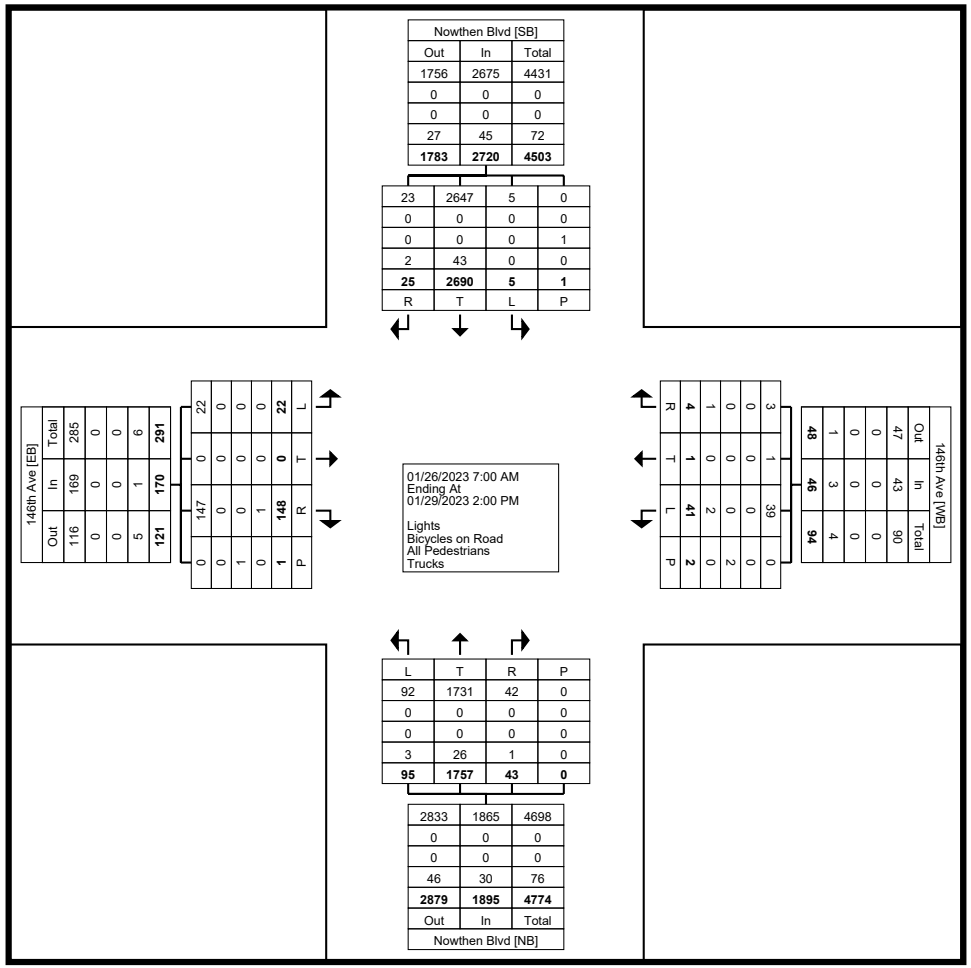
Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	1	0	9	0	10	4	0	0	0	4	1	14	0	0	15	0	212	2	0	214	243
7:15 AM	1	0	15	0	16	3	0	0	0	3	1	32	1	0	34	0	190	1	0	191	244
7:30 AM	1	0	6	0	7	2	0	0	0	2	4	45	2	0	51	0	142	2	0	144	204
7:45 AM	0	0	7	0	7	1	0	0	0	1	1	36	1	0	38	0	134	0	0	134	180
Hourly Total	3	0	37	0	40	10	0	0	0	10	7	127	4	0	138	0	678	5	0	683	871
8:00 AM	0	0	8	0	8	2	0	0	0	2	0	55	0	0	55	0	103	0	0	103	168
8:15 AM	2	0	4	0	6	2	0	0	0	2	0	49	2	0	51	0	97	1	0	98	157
8:30 AM	2	0	2	0	4	2	0	0	0	2	2	34	1	0	37	0	87	0	0	87	130
8:45 AM	0	0	3	0	3	2	0	0	1	2	1	38	0	0	39	0	91	1	0	92	136
Hourly Total	4	0	17	0	21	8	0	0	1	8	3	176	3	0	182	0	378	2	0	380	591
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
4:00 PM	1	0	7	0	8	1	0	0	0	1	1	82	1	0	84	3	119	4	0	126	219
4:15 PM	2	0	2	0	4	0	0	0	0	0	7	101	3	0	111	0	88	2	0	90	205
4:30 PM	2	0	3	0	5	1	0	0	1	1	1	121	2	0	124	1	74	1	0	76	206
4:45 PM	0	0	1	0	1	1	0	0	0	1	6	96	0	0	102	0	98	0	0	98	202
Hourly Total	5	0	13	0	18	3	0	0	1	3	15	400	6	0	421	4	379	7	0	390	832
5:00 PM	1	0	4	1	5	1	0	0	0	1	6	115	2	0	123	0	87	2	1	89	218
5:15 PM	0	0	5	0	5	1	0	2	0	3	7	87	1	0	95	0	93	1	0	94	197
5:30 PM	0	0	4	0	4	2	0	0	0	2	4	81	3	0	88	0	78	1	0	79	173
5:45 PM	2	0	4	0	6	1	0	0	0	1	9	113	0	0	122	0	64	0	0	64	193
Hourly Total	3	0	17	1	20	5	0	2	0	7	26	396	6	0	428	0	322	4	1	326	781
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	0	7	0	7	2	0	0	0	2	2	27	1	0	30	0	53	0	0	53	92
10:15 AM	1	0	4	0	5	3	0	0	0	3	1	32	0	0	33	0	76	1	0	77	118
10:30 AM	0	0	5	0	5	0	0	0	0	0	1	28	0	0	29	0	64	0	0	64	98
10:45 AM	1	0	4	0	5	0	0	0	0	0	1	28	1	0	30	0	70	0	0	70	105
Hourly Total	2	0	20	0	22	5	0	0	0	5	5	115	2	0	122	0	263	1	0	264	413
11:00 AM	0	0	1	0	1	2	0	0	0	2	3	26	1	0	30	0	39	0	0	39	72
11:15 AM	0	0	5	0	5	0	0	0	0	0	3	37	2	0	42	0	49	1	0	50	97
11:30 AM	1	0	4	0	5	0	0	0	0	0	0	42	4	0	46	0	55	1	0	56	107
11:45 AM	0	0	3	0	3	3	0	0	0	3	3	40	1	0	44	0	79	0	0	79	129
Hourly Total	1	0	13	0	14	5	0	0	0	5	9	145	8	0	162	0	222	2	0	224	405

12:00 PM	1	0	4	0	5	0	0	0	0	0	5	44	0	0	49	0	53	0	0	53	107
12:15 PM	0	0	4	0	4	0	0	0	0	0	4	45	1	0	50	0	74	1	0	75	129
12:30 PM	1	0	4	0	5	0	0	0	0	0	6	53	2	0	61	0	60	1	0	61	127
12:45 PM	0	0	2	0	2	2	0	0	0	2	3	54	1	0	58	0	46	0	0	46	108
Hourly Total	2	0	14	0	16	2	0	0	0	2	18	196	4	0	218	0	233	2	0	235	471
1:00 PM	0	0	7	0	7	0	0	0	0	0	3	31	1	0	35	0	48	0	0	48	90
1:15 PM	0	0	3	0	3	1	0	1	0	2	3	60	3	0	66	0	71	1	0	72	143
1:30 PM	2	0	3	0	5	1	0	1	0	2	1	61	6	0	68	1	47	1	0	49	124
1:45 PM	0	0	4	0	4	1	1	0	0	2	5	49	0	0	54	0	49	0	0	49	109
Hourly Total	2	0	17	0	19	3	1	2	0	6	12	201	10	0	223	1	215	2	0	218	466
Grand Total	22	0	148	1	170	41	1	4	2	46	95	1757	43	0	1895	5	2690	25	1	2720	4831
Approach %	12.9	0.0	87.1	-	-	89.1	2.2	8.7	-	-	5.0	92.7	2.3	-	-	0.2	98.9	0.9	-	-	-
Total %	0.5	0.0	3.1	-	3.5	0.8	0.0	0.1	-	1.0	2.0	36.4	0.9	-	39.2	0.1	55.7	0.5	-	56.3	-
Lights	22	0	147	-	169	39	1	3	-	43	92	1731	42	-	1865	5	2647	23	-	2675	4752
% Lights	100.0	-	99.3	-	99.4	95.1	100.0	75.0	-	93.5	96.8	98.5	97.7	-	98.4	100.0	98.4	92.0	-	98.3	98.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	1	-	-	-	-	2	-	-	-	-	0	-	-	-	-	1	-	-
% All Pedestrians	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	100.0	-	-
Trucks	0	0	1	-	1	2	0	1	-	3	3	26	1	-	30	0	43	2	-	45	79
% Trucks	0.0	-	0.7	-	0.6	4.9	0.0	25.0	-	6.5	3.2	1.5	2.3	-	1.6	0.0	1.6	8.0	-	1.7	1.6

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

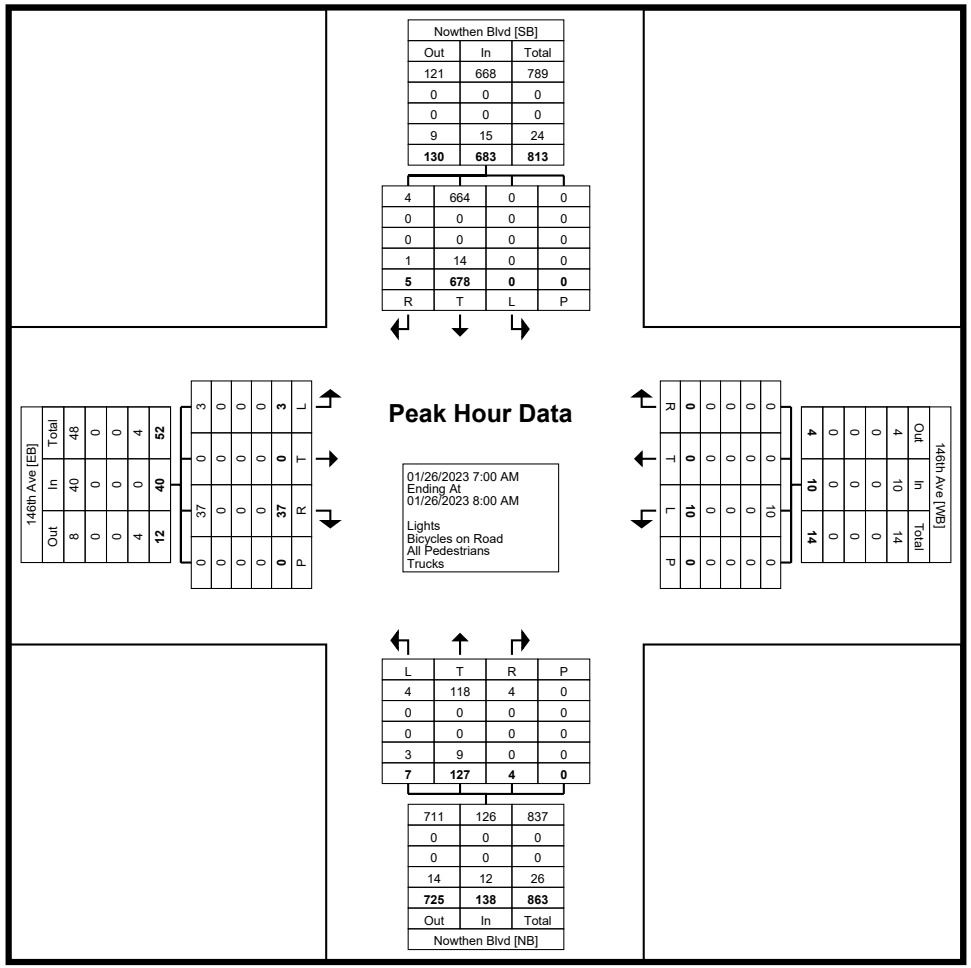
Turning Movement Peak Hour Data (7:00 AM)

Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	1	0	9	0	10	4	0	0	0	4	1	14	0	0	15	0	212	2	0	214	243
7:15 AM	1	0	15	0	16	3	0	0	0	3	1	32	1	0	34	0	190	1	0	191	244
7:30 AM	1	0	6	0	7	2	0	0	0	2	4	45	2	0	51	0	142	2	0	144	204
7:45 AM	0	0	7	0	7	1	0	0	0	1	1	36	1	0	38	0	134	0	0	134	180
Total	3	0	37	0	40	10	0	0	0	10	7	127	4	0	138	0	678	5	0	683	871
Approach %	7.5	0.0	92.5	-	-	100.0	0.0	0.0	-	-	5.1	92.0	2.9	-	-	0.0	99.3	0.7	-	-	-
Total %	0.3	0.0	4.2	-	4.6	1.1	0.0	0.0	-	1.1	0.8	14.6	0.5	-	15.8	0.0	77.8	0.6	-	78.4	-
PHF	0.750	0.000	0.617	-	0.625	0.625	0.000	0.000	-	0.625	0.438	0.706	0.500	-	0.676	0.000	0.800	0.625	-	0.798	0.892
Lights	3	0	37	-	40	10	0	0	-	10	4	118	4	-	126	0	664	4	-	668	844
% Lights	100.0	-	100.0	-	100.0	100.0	-	-	-	100.0	57.1	92.9	100.0	-	91.3	-	97.9	80.0	-	97.8	96.9
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	3	9	0	-	12	0	14	1	-	15	27
% Trucks	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	42.9	7.1	0.0	-	8.7	-	2.1	20.0	-	2.2	3.1

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:00 PM)

Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	1	0	7	0	8	1	0	0	0	1	1	82	1	0	84	3	119	4	0	126	219
4:15 PM	2	0	2	0	4	0	0	0	0	0	7	101	3	0	111	0	88	2	0	90	205
4:30 PM	2	0	3	0	5	1	0	0	1	1	1	121	2	0	124	1	74	1	0	76	206
4:45 PM	0	0	1	0	1	1	0	0	0	1	6	96	0	0	102	0	98	0	0	98	202
Total	5	0	13	0	18	3	0	0	1	3	15	400	6	0	421	4	379	7	0	390	832
Approach %	27.8	0.0	72.2	-	-	100.0	0.0	0.0	-	-	3.6	95.0	1.4	-	-	1.0	97.2	1.8	-	-	-
Total %	0.6	0.0	1.6	-	2.2	0.4	0.0	0.0	-	0.4	1.8	48.1	0.7	-	50.6	0.5	45.6	0.8	-	46.9	-
PHF	0.625	0.000	0.464	-	0.563	0.750	0.000	0.000	-	0.750	0.536	0.826	0.500	-	0.849	0.333	0.796	0.438	-	0.774	0.950
Lights	5	0	13	-	18	2	0	0	-	2	15	395	6	-	416	4	366	7	-	377	813
% Lights	100.0	-	100.0	-	100.0	66.7	-	-	-	66.7	100.0	98.8	100.0	-	98.8	100.0	96.6	100.0	-	96.7	97.7
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	1	0	0	-	1	0	5	0	-	5	0	13	0	-	13	19
% Trucks	0.0	-	0.0	-	0.0	33.3	-	-	-	33.3	0.0	1.3	0.0	-	1.2	0.0	3.4	0.0	-	3.3	2.3

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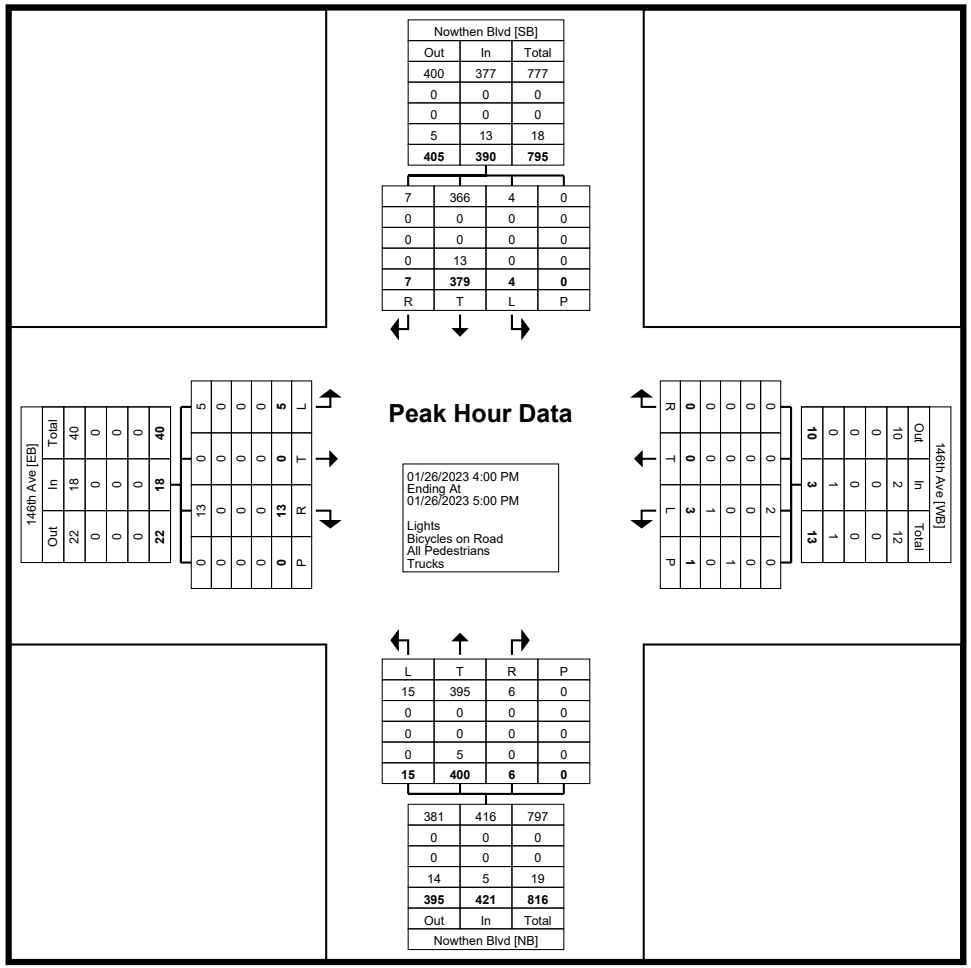
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (10:00 AM)

Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
10:00 AM	0	0	7	0	7	2	0	0	0	2	2	27	1	0	30	0	53	0	0	53	92
10:15 AM	1	0	4	0	5	3	0	0	0	3	1	32	0	0	33	0	76	1	0	77	118
10:30 AM	0	0	5	0	5	0	0	0	0	0	1	28	0	0	29	0	64	0	0	64	98
10:45 AM	1	0	4	0	5	0	0	0	0	0	1	28	1	0	30	0	70	0	0	70	105
Total	2	0	20	0	22	5	0	0	0	5	5	115	2	0	122	0	263	1	0	264	413
Approach %	9.1	0.0	90.9	-	-	100.0	0.0	0.0	-	-	4.1	94.3	1.6	-	-	0.0	99.6	0.4	-	-	-
Total %	0.5	0.0	4.8	-	5.3	1.2	0.0	0.0	-	1.2	1.2	27.8	0.5	-	29.5	0.0	63.7	0.2	-	63.9	-
PHF	0.500	0.000	0.714	-	0.786	0.417	0.000	0.000	-	0.417	0.625	0.898	0.500	-	0.924	0.000	0.865	0.250	-	0.857	0.875
Lights	2	0	20	-	22	5	0	0	-	5	5	114	2	-	121	0	262	1	-	263	411
% Lights	100.0	-	100.0	-	100.0	100.0	-	-	-	100.0	100.0	99.1	100.0	-	99.2	-	99.6	100.0	-	99.6	99.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	1	0	-	1	2
% Trucks	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.9	0.0	-	0.8	-	0.4	0.0	-	0.4	0.5

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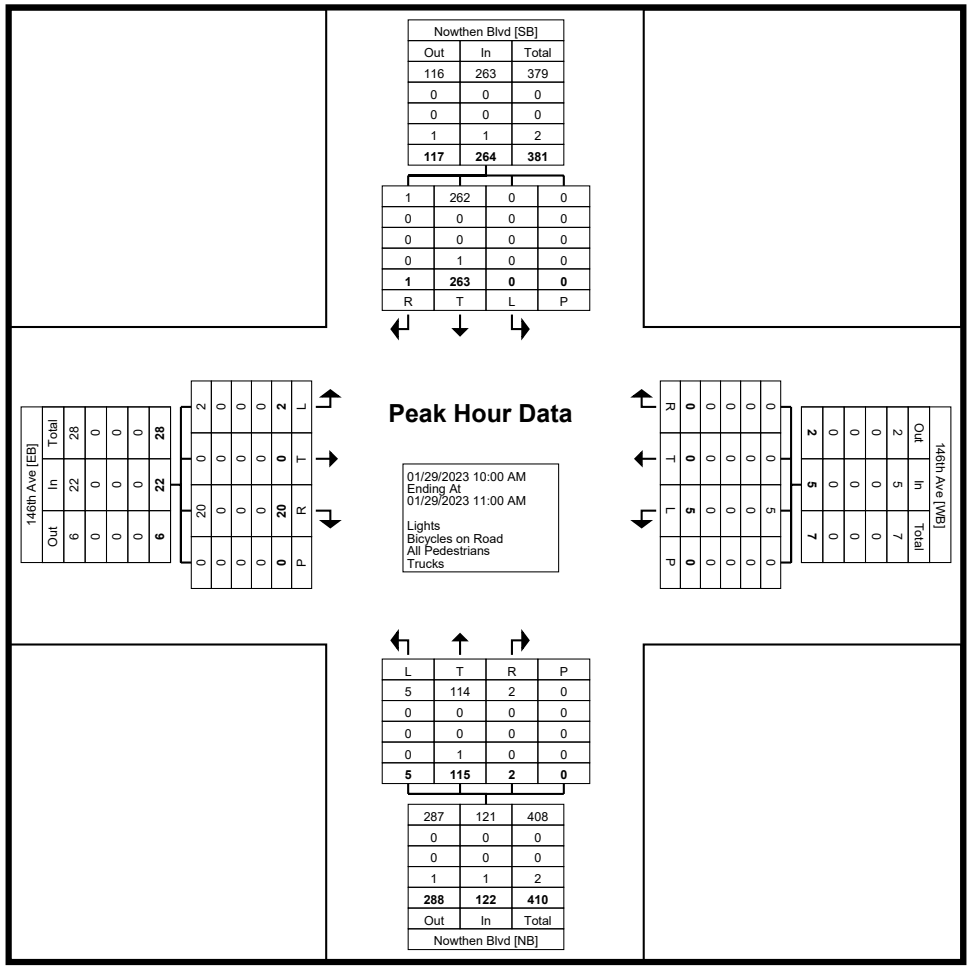
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

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Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (12:00 PM)

Start Time	146th Ave Eastbound					146th Ave Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
12:00 PM	1	0	4	0	5	0	0	0	0	0	5	44	0	0	49	0	53	0	0	53	107
12:15 PM	0	0	4	0	4	0	0	0	0	0	4	45	1	0	50	0	74	1	0	75	129
12:30 PM	1	0	4	0	5	0	0	0	0	0	6	53	2	0	61	0	60	1	0	61	127
12:45 PM	0	0	2	0	2	2	0	0	0	2	3	54	1	0	58	0	46	0	0	46	108
Total	2	0	14	0	16	2	0	0	0	2	18	196	4	0	218	0	233	2	0	235	471
Approach %	12.5	0.0	87.5	-	-	100.0	0.0	0.0	-	-	8.3	89.9	1.8	-	-	0.0	99.1	0.9	-	-	-
Total %	0.4	0.0	3.0	-	3.4	0.4	0.0	0.0	-	0.4	3.8	41.6	0.8	-	46.3	0.0	49.5	0.4	-	49.9	-
PHF	0.500	0.000	0.875	-	0.800	0.250	0.000	0.000	-	0.250	0.750	0.907	0.500	-	0.893	0.000	0.787	0.500	-	0.783	0.913
Lights	2	0	13	-	15	2	0	0	-	2	18	195	4	-	217	0	231	2	-	233	467
% Lights	100.0	-	92.9	-	93.8	100.0	-	-	-	100.0	100.0	99.5	100.0	-	99.5	-	99.1	100.0	-	99.1	99.2
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	-	0.0	-	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	1	-	1	0	0	0	-	0	0	1	0	-	1	0	2	0	-	2	4
% Trucks	0.0	-	7.1	-	6.3	0.0	-	-	-	0.0	0.0	0.5	0.0	-	0.5	-	0.9	0.0	-	0.9	0.8

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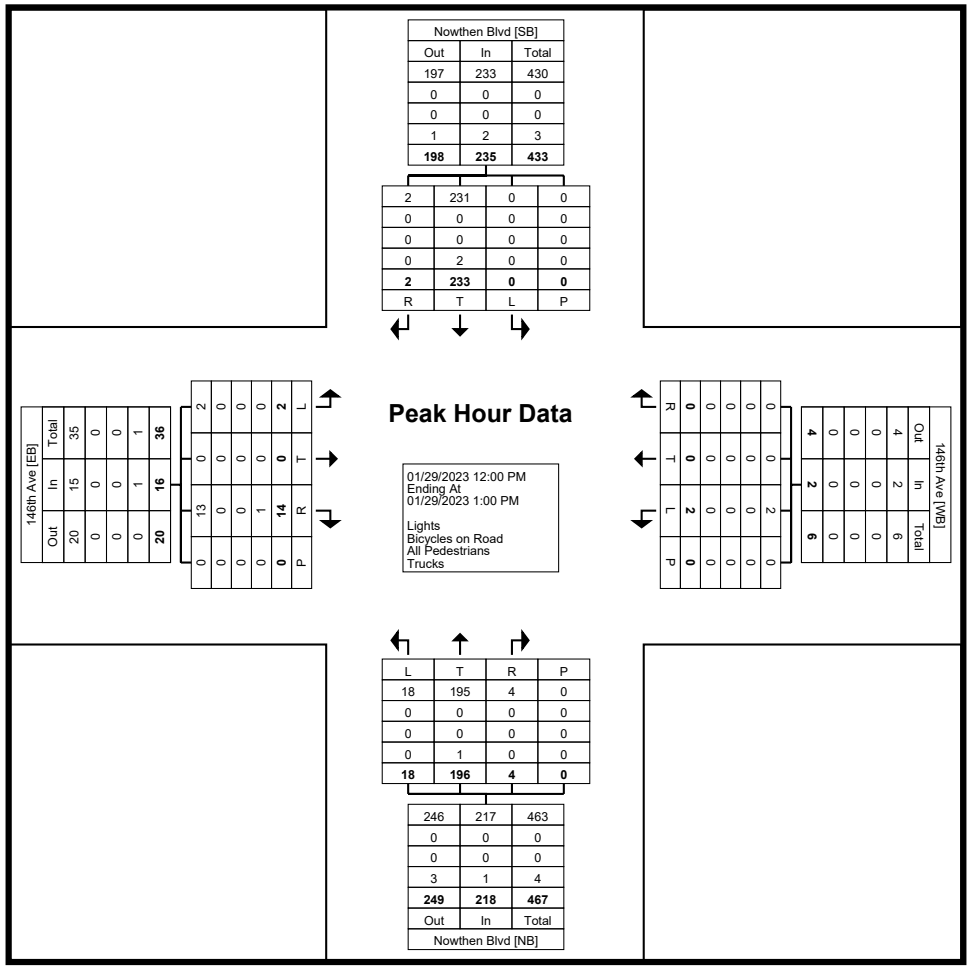
Count Name: Nowthen Blvd & 146th Ave
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (12:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
7:00 AM	188	52	0	240	1	15	0	16	3	6	0	9	265
7:15 AM	190	48	0	238	12	30	0	42	11	6	0	17	297
7:30 AM	123	35	0	158	16	52	0	68	7	6	0	13	239
7:45 AM	131	29	0	160	14	32	0	46	9	8	0	17	223
Hourly Total	632	164	0	796	43	129	0	172	30	26	0	56	1024
8:00 AM	101	15	0	116	9	53	0	62	9	8	0	17	195
8:15 AM	95	12	0	107	8	48	0	56	11	11	0	22	185
8:30 AM	84	17	0	101	3	36	0	39	8	4	0	12	152
8:45 AM	87	8	0	95	7	44	0	51	8	4	0	12	158
Hourly Total	367	52	0	419	27	181	0	208	36	27	0	63	690
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	114	19	0	133	10	84	0	94	19	21	0	40	267
4:15 PM	79	13	0	92	2	104	0	106	21	18	0	39	237
4:30 PM	83	7	0	90	9	103	0	112	37	37	0	74	276
4:45 PM	94	14	0	108	9	91	0	100	19	17	0	36	244
Hourly Total	370	53	0	423	30	382	0	412	96	93	0	189	1024
5:00 PM	84	8	0	92	7	128	0	135	26	20	0	46	273
5:15 PM	108	7	0	115	6	99	0	105	17	10	0	27	247
5:30 PM	106	8	0	114	11	88	0	99	19	11	0	30	243
5:45 PM	73	11	0	84	3	109	0	112	15	12	0	27	223
Hourly Total	371	34	0	405	27	424	0	451	77	53	0	130	986
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	68	3	0	71	1	26	0	27	4	6	0	10	108
10:15 AM	77	10	0	87	4	38	0	42	13	8	0	21	150
10:30 AM	70	5	0	75	4	42	0	46	5	4	0	9	130
10:45 AM	72	10	0	82	6	38	0	44	5	6	0	11	137
Hourly Total	287	28	0	315	15	144	0	159	27	24	0	51	525
11:00 AM	49	0	0	49	5	29	0	34	2	4	0	6	89
11:15 AM	59	6	0	65	5	51	0	56	4	4	0	8	129
11:30 AM	58	3	0	61	5	39	0	44	10	8	0	18	123
11:45 AM	93	9	0	102	4	44	0	48	5	4	0	9	159
Hourly Total	259	18	0	277	19	163	0	182	21	20	0	41	500

12:00 PM	62	10	0	72	4	40	0	44	13	5	0	18	134
12:15 PM	83	1	0	84	5	54	0	59	9	5	0	14	157
12:30 PM	62	7	0	69	4	57	0	61	8	11	0	19	149
12:45 PM	59	3	0	62	9	63	0	72	8	7	0	15	149
Hourly Total	266	21	0	287	22	214	0	236	38	28	0	66	589
1:00 PM	63	3	0	66	2	35	0	37	8	7	0	15	118
1:15 PM	86	7	0	93	3	60	0	63	8	5	0	13	169
1:30 PM	66	3	0	69	5	61	0	66	6	7	0	13	148
1:45 PM	61	4	0	65	8	64	0	72	7	11	0	18	155
Hourly Total	276	17	0	293	18	220	0	238	29	30	0	59	590
Grand Total	2828	387	0	3215	201	1857	0	2058	354	301	0	655	5928
Approach %	88.0	12.0	-	-	9.8	90.2	-	-	54.0	46.0	-	-	-
Total %	47.7	6.5	-	54.2	3.4	31.3	-	34.7	6.0	5.1	-	11.0	-
Lights	2786	374	-	3160	194	1829	-	2023	348	292	-	640	5823
% Lights	98.5	96.6	-	98.3	96.5	98.5	-	98.3	98.3	97.0	-	97.7	98.2
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	42	13	-	55	7	28	-	35	6	9	-	15	105
% Trucks	1.5	3.4	-	1.7	3.5	1.5	-	1.7	1.7	3.0	-	2.3	1.8

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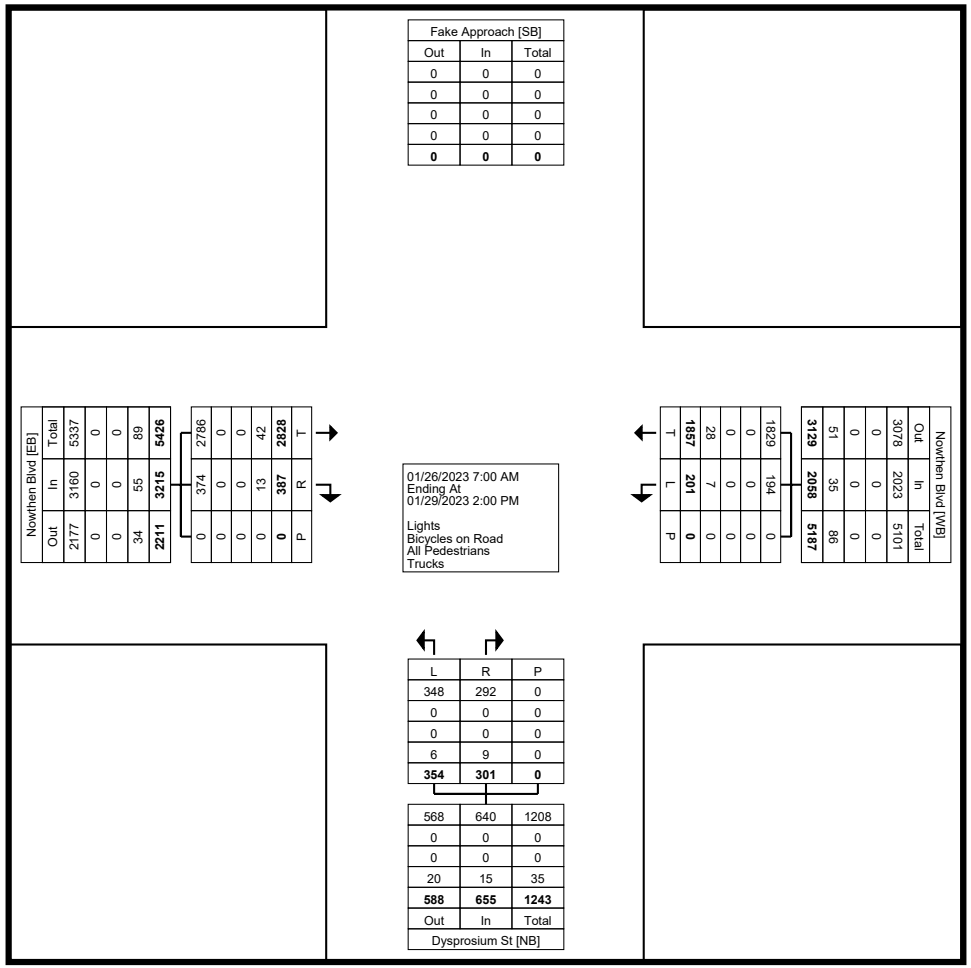
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

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Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

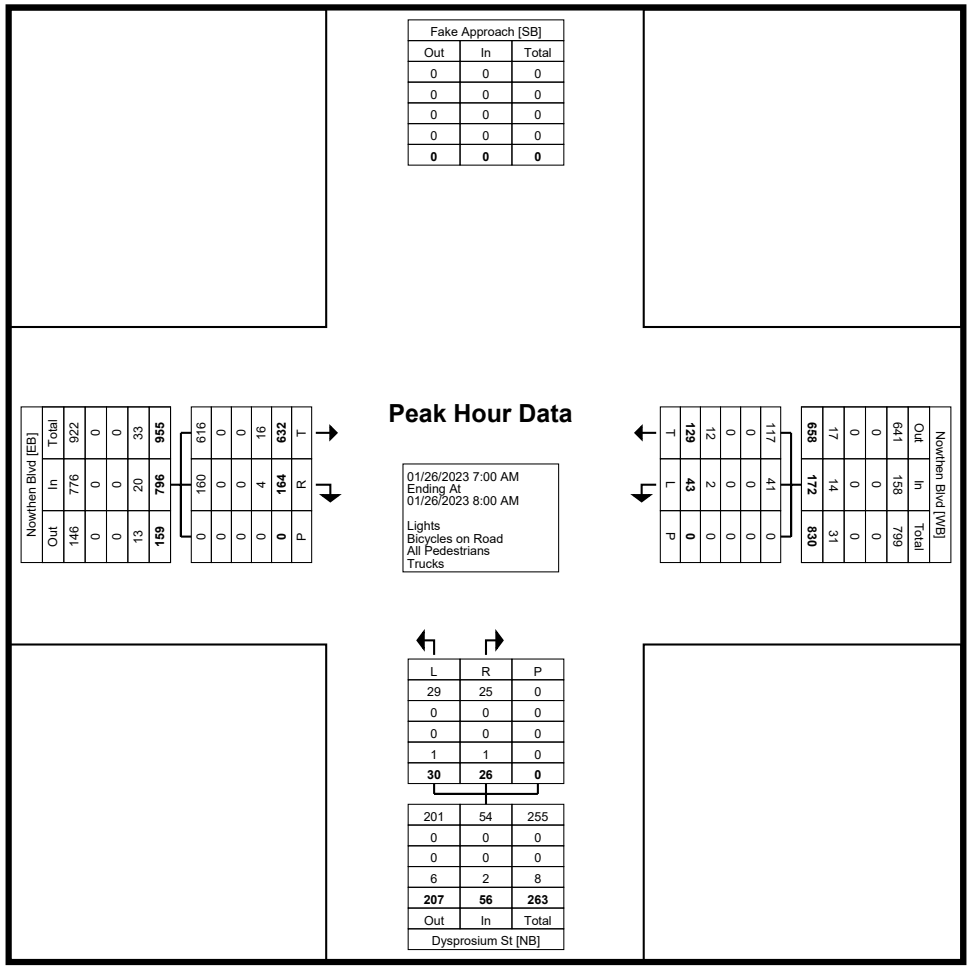
Turning Movement Peak Hour Data (7:00 AM)

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
7:00 AM	188	52	0	240	1	15	0	16	3	6	0	9	265
7:15 AM	190	48	0	238	12	30	0	42	11	6	0	17	297
7:30 AM	123	35	0	158	16	52	0	68	7	6	0	13	239
7:45 AM	131	29	0	160	14	32	0	46	9	8	0	17	223
Total	632	164	0	796	43	129	0	172	30	26	0	56	1024
Approach %	79.4	20.6	-	-	25.0	75.0	-	-	53.6	46.4	-	-	-
Total %	61.7	16.0	-	77.7	4.2	12.6	-	16.8	2.9	2.5	-	5.5	-
PHF	0.832	0.788	-	0.829	0.672	0.620	-	0.632	0.682	0.813	-	0.824	0.862
Lights	616	160	-	776	41	117	-	158	29	25	-	54	988
% Lights	97.5	97.6	-	97.5	95.3	90.7	-	91.9	96.7	96.2	-	96.4	96.5
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	16	4	-	20	2	12	-	14	1	1	-	2	36
% Trucks	2.5	2.4	-	2.5	4.7	9.3	-	8.1	3.3	3.8	-	3.6	3.5

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:30 PM)

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
4:30 PM	83	7	0	90	9	103	0	112	37	37	0	74	276
4:45 PM	94	14	0	108	9	91	0	100	19	17	0	36	244
5:00 PM	84	8	0	92	7	128	0	135	26	20	0	46	273
5:15 PM	108	7	0	115	6	99	0	105	17	10	0	27	247
Total	369	36	0	405	31	421	0	452	99	84	0	183	1040
Approach %	91.1	8.9	-	-	6.9	93.1	-	-	54.1	45.9	-	-	-
Total %	35.5	3.5	-	38.9	3.0	40.5	-	43.5	9.5	8.1	-	17.6	-
PHF	0.854	0.643	-	0.880	0.861	0.822	-	0.837	0.669	0.568	-	0.618	0.942
Lights	358	33	-	391	30	418	-	448	97	83	-	180	1019
% Lights	97.0	91.7	-	96.5	96.8	99.3	-	99.1	98.0	98.8	-	98.4	98.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	11	3	-	14	1	3	-	4	2	1	-	3	21
% Trucks	3.0	8.3	-	3.5	3.2	0.7	-	0.9	2.0	1.2	-	1.6	2.0

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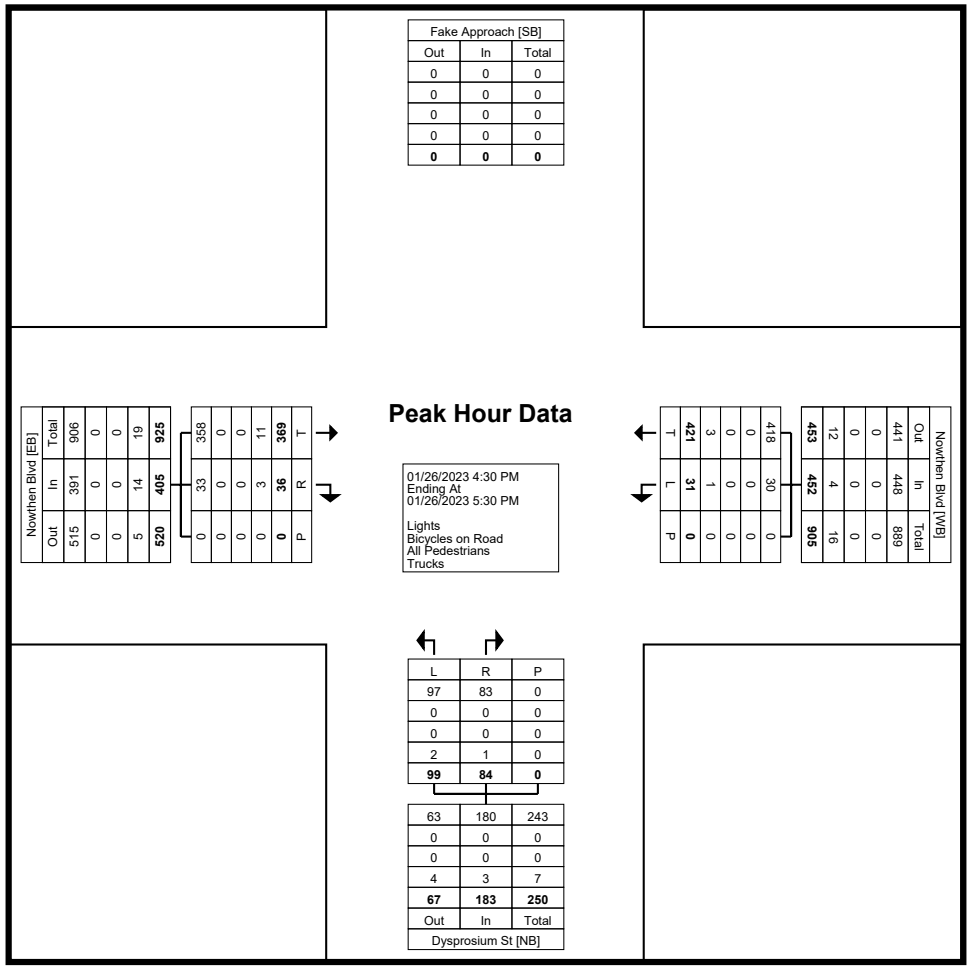
Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:30 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (10:00 AM)

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
10:00 AM	68	3	0	71	1	26	0	27	4	6	0	10	108
10:15 AM	77	10	0	87	4	38	0	42	13	8	0	21	150
10:30 AM	70	5	0	75	4	42	0	46	5	4	0	9	130
10:45 AM	72	10	0	82	6	38	0	44	5	6	0	11	137
Total	287	28	0	315	15	144	0	159	27	24	0	51	525
Approach %	91.1	8.9	-	-	9.4	90.6	-	-	52.9	47.1	-	-	-
Total %	54.7	5.3	-	60.0	2.9	27.4	-	30.3	5.1	4.6	-	9.7	-
PHF	0.932	0.700	-	0.905	0.625	0.857	-	0.864	0.519	0.750	-	0.607	0.875
Lights	287	28	-	315	15	144	-	159	27	24	-	51	525
% Lights	100.0	100.0	-	100.0	100.0	100.0	-	100.0	100.0	100.0	-	100.0	100.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0

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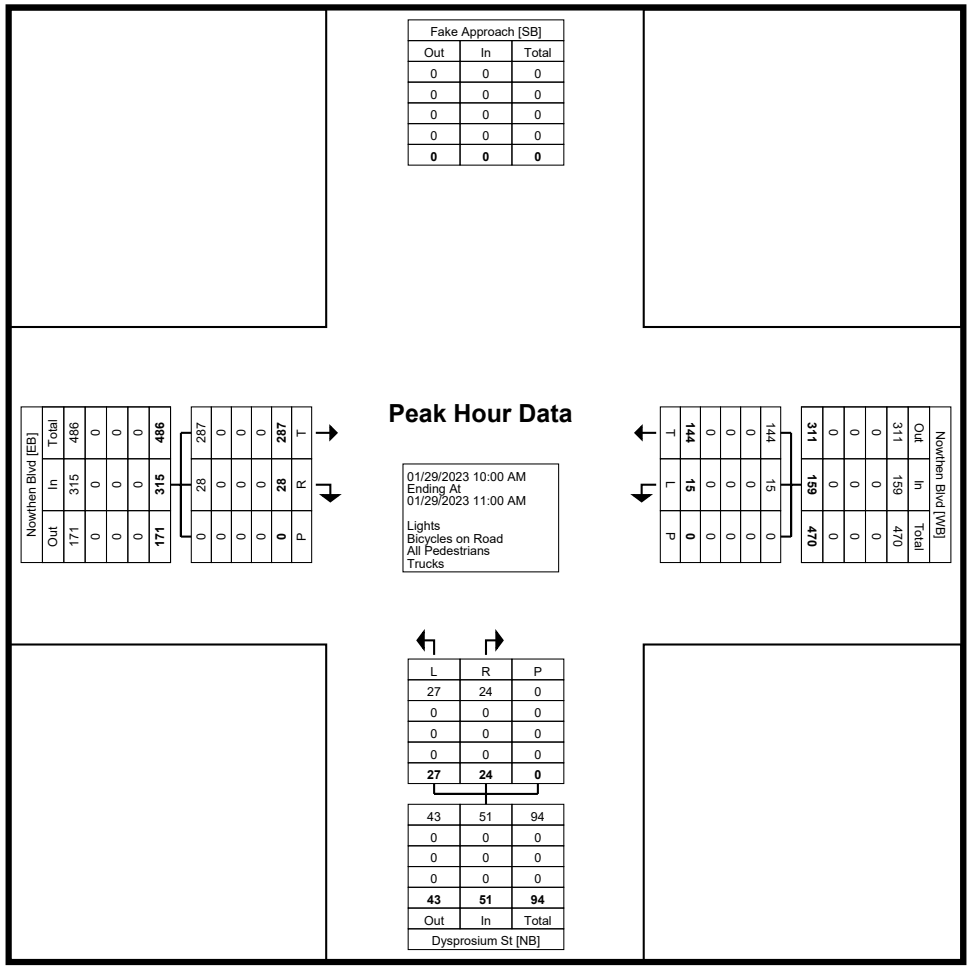
Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Dysprosium St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (1:00 PM)

Start Time	Nowthen Blvd Eastbound				Nowthen Blvd Westbound				Dysprosium St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
1:00 PM	63	3	0	66	2	35	0	37	8	7	0	15	118
1:15 PM	86	7	0	93	3	60	0	63	8	5	0	13	169
1:30 PM	66	3	0	69	5	61	0	66	6	7	0	13	148
1:45 PM	61	4	0	65	8	64	0	72	7	11	0	18	155
Total	276	17	0	293	18	220	0	238	29	30	0	59	590
Approach %	94.2	5.8	-	-	7.6	92.4	-	-	49.2	50.8	-	-	-
Total %	46.8	2.9	-	49.7	3.1	37.3	-	40.3	4.9	5.1	-	10.0	-
PHF	0.802	0.607	-	0.788	0.563	0.859	-	0.826	0.906	0.682	-	0.819	0.873
Lights	275	17	-	292	18	220	-	238	29	30	-	59	589
% Lights	99.6	100.0	-	99.7	100.0	100.0	-	100.0	100.0	100.0	-	100.0	99.8
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	1	0	-	1	0	0	-	0	0	0	-	0	1
% Trucks	0.4	0.0	-	0.3	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.2

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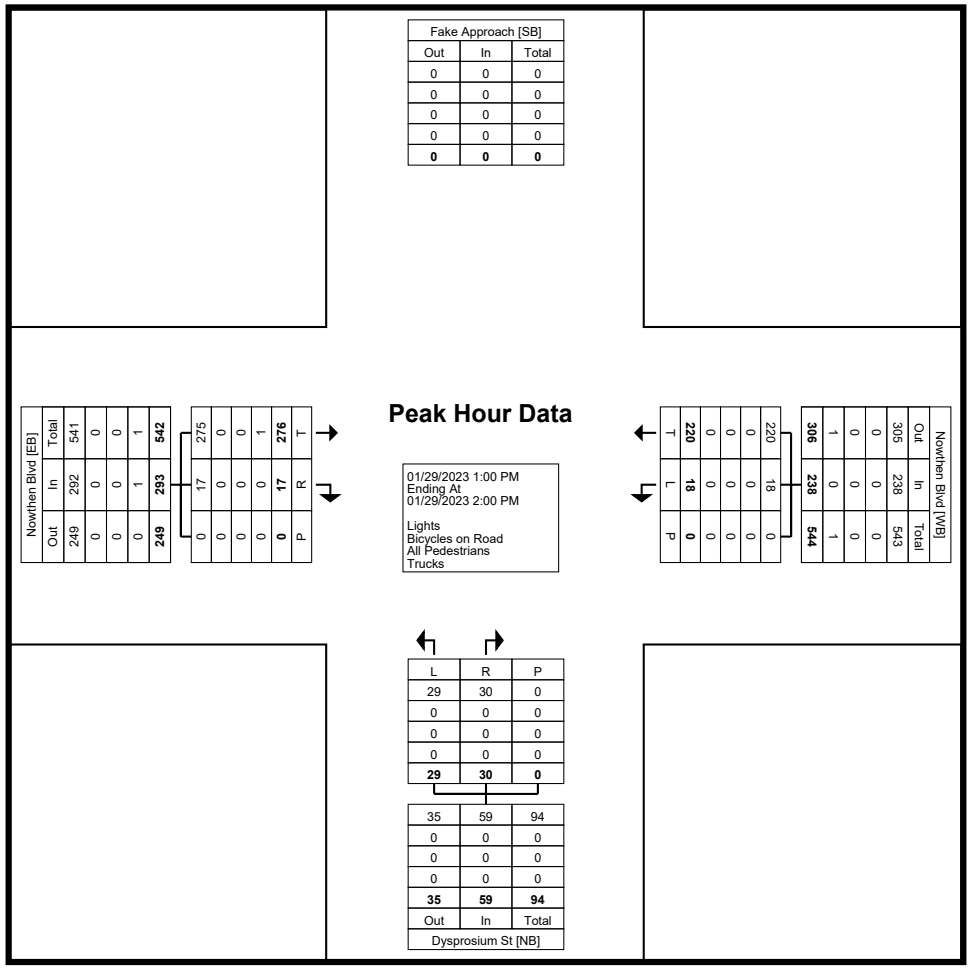
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (1:00 PM)

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Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	0	216	0	0	216	3	15	1	0	19	2	0	23	0	25	0	0	0	0	0	260
7:15 AM	1	210	1	0	212	3	32	6	0	41	1	0	27	0	28	0	0	0	0	0	281
7:30 AM	2	140	2	0	144	5	52	1	0	58	0	0	17	0	17	0	0	0	0	0	219
7:45 AM	2	143	3	0	148	1	37	4	0	42	1	0	15	0	16	0	0	0	0	0	206
Hourly Total	5	709	6	0	720	12	136	12	0	160	4	0	82	0	86	0	0	0	0	0	966
8:00 AM	4	109	0	0	113	3	53	7	0	63	0	0	7	0	7	0	0	0	0	0	183
8:15 AM	2	98	2	0	102	4	49	6	0	59	3	0	8	0	11	0	0	0	0	0	172
8:30 AM	2	86	0	1	88	6	33	2	0	41	1	0	13	1	14	0	0	0	0	0	143
8:45 AM	9	86	1	0	96	3	39	11	0	53	0	0	9	0	9	0	0	0	0	0	158
Hourly Total	17	379	3	1	399	16	174	26	0	216	4	0	37	1	41	0	0	0	0	0	656
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 PM	0	128	3	0	131	12	85	3	0	100	1	0	3	0	4	1	0	0	0	1	236
4:15 PM	0	80	6	0	86	11	117	1	0	129	2	0	8	0	10	2	0	0	0	2	227
4:30 PM	1	78	0	0	79	25	114	1	0	140	2	0	13	0	15	4	0	2	0	6	240
4:45 PM	0	94	4	0	98	14	96	1	0	111	0	0	11	0	11	1	0	0	0	1	221
Hourly Total	1	380	13	0	394	62	412	6	0	480	5	0	35	0	40	8	0	2	0	10	924
5:00 PM	7	81	3	0	91	21	125	2	0	148	0	0	11	1	11	1	0	0	0	1	251
5:15 PM	8	102	0	0	110	13	77	16	0	106	0	0	10	2	10	0	0	1	0	1	227
5:30 PM	2	95	4	0	101	17	81	11	0	109	1	0	17	0	18	2	0	1	0	3	231
5:45 PM	0	68	1	0	69	15	108	4	0	127	1	0	12	1	13	4	0	2	0	6	215
Hourly Total	17	346	8	0	371	66	391	33	0	490	2	0	50	4	52	7	0	4	0	11	924
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	64	0	0	64	0	24	3	0	27	0	0	6	0	6	0	0	0	0	0	97
10:15 AM	4	84	0	0	88	7	29	5	0	41	0	0	5	0	5	0	0	0	0	0	134
10:30 AM	4	64	0	0	68	5	24	13	0	42	4	1	8	0	13	1	0	1	0	2	125
10:45 AM	2	75	2	0	79	7	27	4	0	38	2	1	8	0	11	0	0	0	0	0	128
Hourly Total	10	287	2	0	299	19	104	25	0	148	6	2	27	0	35	1	0	1	0	2	484
11:00 AM	0	40	2	0	42	1	30	0	0	31	0	0	9	0	9	0	0	0	0	0	82
11:15 AM	0	59	0	0	59	7	44	4	0	55	1	1	6	0	8	0	1	0	0	1	123
11:30 AM	2	56	0	0	58	5	41	4	0	50	0	0	4	1	4	1	0	1	0	2	114
11:45 AM	0	92	1	0	93	6	42	0	0	48	1	0	10	0	11	1	0	0	0	1	153
Hourly Total	2	247	3	0	252	19	157	8	0	184	2	1	29	1	32	2	1	1	0	4	472
12:00 PM	0	65	0	0	65	9	44	2	0	55	0	0	4	0	4	1	0	0	0	1	125
12:15 PM	1	76	3	0	80	10	53	0	0	63	0	0	10	0	10	0	0	0	0	0	153

12:30 PM	0	64	0	0	64	9	54	0	0	63	0	0	8	0	8	1	0	1	0	2	137
12:45 PM	0	49	2	0	51	9	60	4	0	73	1	0	9	1	10	2	0	0	0	2	136
Hourly Total	1	254	5	0	260	37	211	6	0	254	1	0	31	1	32	4	0	1	0	5	551
1:00 PM	1	54	1	0	56	6	36	1	0	43	0	0	14	0	14	0	0	0	0	0	113
1:15 PM	1	84	1	0	86	10	55	3	0	68	2	0	8	0	10	1	0	1	0	2	166
1:30 PM	1	59	0	0	60	11	59	0	0	70	1	0	9	0	10	0	0	2	0	2	142
1:45 PM	0	52	1	0	53	13	59	0	0	72	0	0	11	0	11	1	0	0	0	1	137
Hourly Total	3	249	3	0	255	40	209	4	0	253	3	0	42	0	45	2	0	3	0	5	558
Grand Total	56	2851	43	1	2950	271	1794	120	0	2185	27	3	333	7	363	24	1	12	0	37	5535
Approach %	1.9	96.6	1.5	-	-	12.4	82.1	5.5	-	-	7.4	0.8	91.7	-	-	64.9	2.7	32.4	-	-	-
Total %	1.0	51.5	0.8	-	53.3	4.9	32.4	2.2	-	39.5	0.5	0.1	6.0	-	6.6	0.4	0.0	0.2	-	0.7	-
Lights	54	2814	41	-	2909	267	1765	119	-	2151	27	3	322	-	352	24	1	10	-	35	5447
% Lights	96.4	98.7	95.3	-	98.6	98.5	98.4	99.2	-	98.4	100.0	100.0	96.7	-	97.0	100.0	100.0	83.3	-	94.6	98.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	1	-	-	-	-	0	-	-	-	-	7	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-
Trucks	2	37	2	-	41	4	29	1	-	34	0	0	11	-	11	0	0	2	-	2	88
% Trucks	3.6	1.3	4.7	-	1.4	1.5	1.6	0.8	-	1.6	0.0	0.0	3.3	-	3.0	0.0	0.0	16.7	-	5.4	1.6

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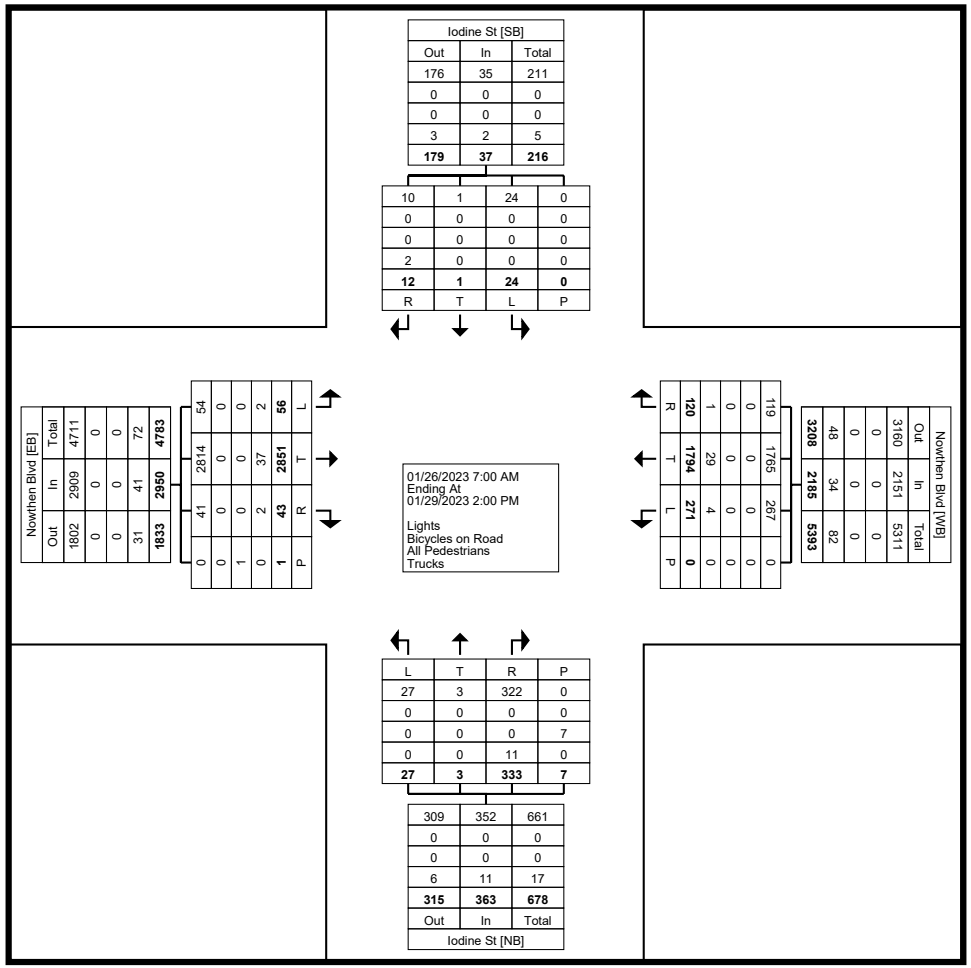
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

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Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	0	216	0	0	216	3	15	1	0	19	2	0	23	0	25	0	0	0	0	0	260
7:15 AM	1	210	1	0	212	3	32	6	0	41	1	0	27	0	28	0	0	0	0	0	281
7:30 AM	2	140	2	0	144	5	52	1	0	58	0	0	17	0	17	0	0	0	0	0	219
7:45 AM	2	143	3	0	148	1	37	4	0	42	1	0	15	0	16	0	0	0	0	0	206
Total	5	709	6	0	720	12	136	12	0	160	4	0	82	0	86	0	0	0	0	0	966
Approach %	0.7	98.5	0.8	-	-	7.5	85.0	7.5	-	-	4.7	0.0	95.3	-	-	0.0	0.0	0.0	-	-	-
Total %	0.5	73.4	0.6	-	74.5	1.2	14.1	1.2	-	16.6	0.4	0.0	8.5	-	8.9	0.0	0.0	0.0	-	0.0	-
PHF	0.625	0.821	0.500	-	0.833	0.600	0.654	0.500	-	0.690	0.500	0.000	0.759	-	0.768	0.000	0.000	0.000	-	0.000	0.859
Lights	5	697	6	-	708	11	125	11	-	147	4	0	78	-	82	0	0	0	-	0	937
% Lights	100.0	98.3	100.0	-	98.3	91.7	91.9	91.7	-	91.9	100.0	-	95.1	-	95.3	-	-	-	-	-	97.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-	-	-	-	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	12	0	-	12	1	11	1	-	13	0	0	4	-	4	0	0	0	-	0	29
% Trucks	0.0	1.7	0.0	-	1.7	8.3	8.1	8.3	-	8.1	0.0	-	4.9	-	4.7	-	-	-	-	-	3.0

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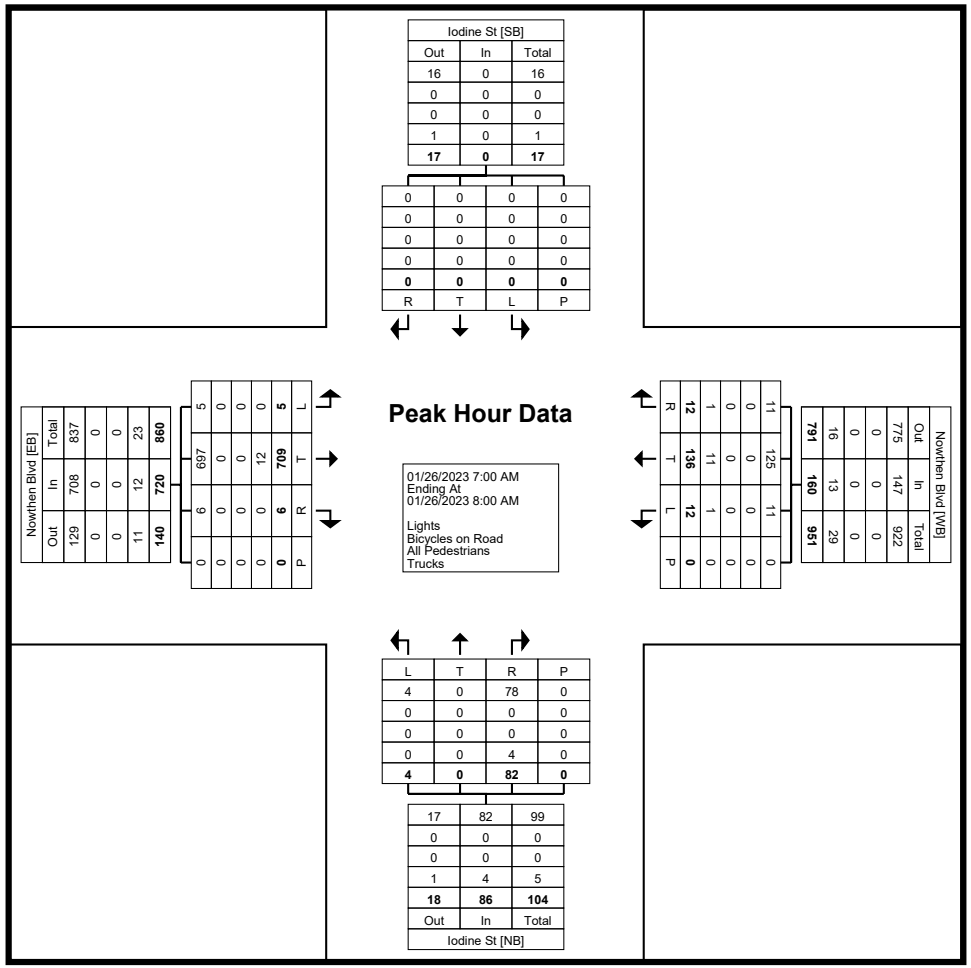
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:15 PM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:15 PM	0	80	6	0	86	11	117	1	0	129	2	0	8	0	10	2	0	0	0	2	227
4:30 PM	1	78	0	0	79	25	114	1	0	140	2	0	13	0	15	4	0	2	0	6	240
4:45 PM	0	94	4	0	98	14	96	1	0	111	0	0	11	0	11	1	0	0	0	1	221
5:00 PM	7	81	3	0	91	21	125	2	0	148	0	0	11	1	11	1	0	0	0	1	251
Total	8	333	13	0	354	71	452	5	0	528	4	0	43	1	47	8	0	2	0	10	939
Approach %	2.3	94.1	3.7	-	-	13.4	85.6	0.9	-	-	8.5	0.0	91.5	-	-	80.0	0.0	20.0	-	-	-
Total %	0.9	35.5	1.4	-	37.7	7.6	48.1	0.5	-	56.2	0.4	0.0	4.6	-	5.0	0.9	0.0	0.2	-	1.1	-
PHF	0.286	0.886	0.542	-	0.903	0.710	0.904	0.625	-	0.892	0.500	0.000	0.827	-	0.783	0.500	0.000	0.250	-	0.417	0.935
Lights	8	322	12	-	342	70	446	5	-	521	4	0	38	-	42	8	0	2	-	10	915
% Lights	100.0	96.7	92.3	-	96.6	98.6	98.7	100.0	-	98.7	100.0	-	88.4	-	89.4	100.0	-	100.0	-	100.0	97.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	1	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-	-	-	-	-	-
Trucks	0	11	1	-	12	1	6	0	-	7	0	0	5	-	5	0	0	0	-	0	24
% Trucks	0.0	3.3	7.7	-	3.4	1.4	1.3	0.0	-	1.3	0.0	-	11.6	-	10.6	0.0	-	0.0	-	0.0	2.6

Kimley-Horn and Associates, Inc.
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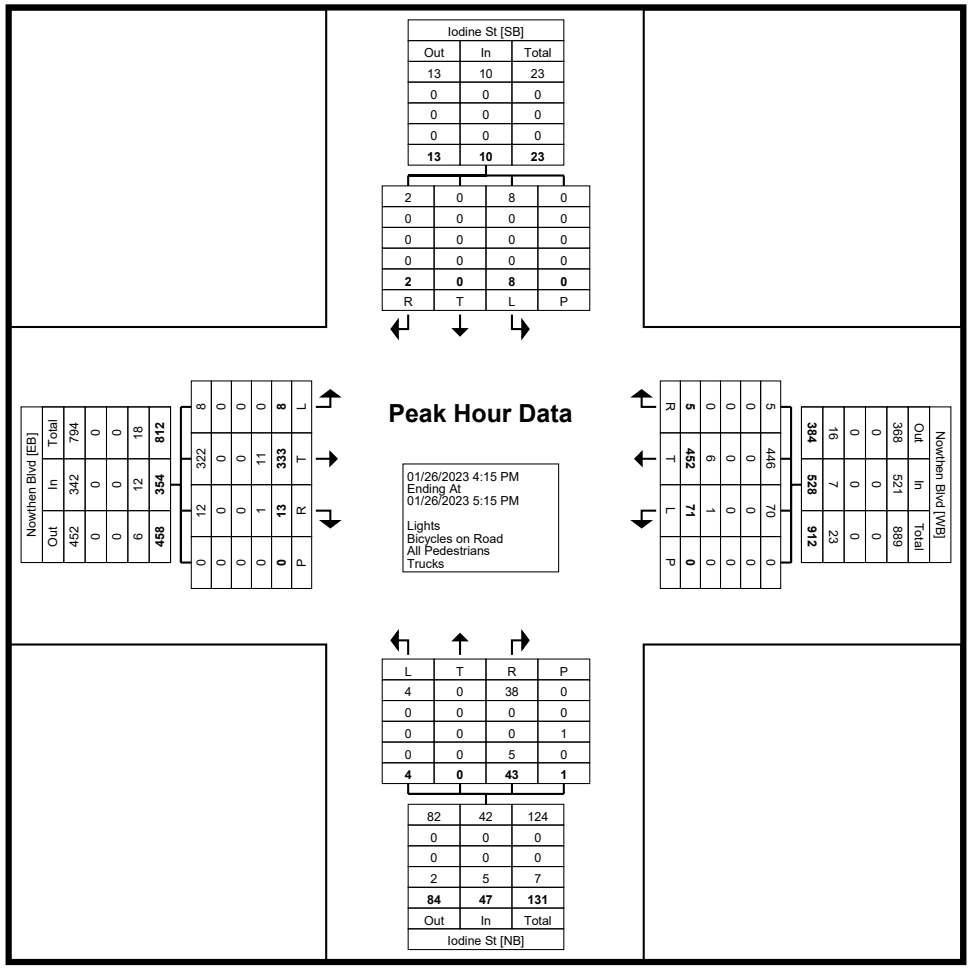
Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:15 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (10:00 AM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
10:00 AM	0	64	0	0	64	0	24	3	0	27	0	0	6	0	6	0	0	0	0	0	97
10:15 AM	4	84	0	0	88	7	29	5	0	41	0	0	5	0	5	0	0	0	0	0	134
10:30 AM	4	64	0	0	68	5	24	13	0	42	4	1	8	0	13	1	0	1	0	2	125
10:45 AM	2	75	2	0	79	7	27	4	0	38	2	1	8	0	11	0	0	0	0	0	128
Total	10	287	2	0	299	19	104	25	0	148	6	2	27	0	35	1	0	1	0	2	484
Approach %	3.3	96.0	0.7	-	-	12.8	70.3	16.9	-	-	17.1	5.7	77.1	-	-	50.0	0.0	50.0	-	-	-
Total %	2.1	59.3	0.4	-	61.8	3.9	21.5	5.2	-	30.6	1.2	0.4	5.6	-	7.2	0.2	0.0	0.2	-	0.4	-
PHF	0.625	0.854	0.250	-	0.849	0.679	0.897	0.481	-	0.881	0.375	0.500	0.844	-	0.673	0.250	0.000	0.250	-	0.250	0.903
Lights	9	287	2	-	298	19	104	25	-	148	6	2	27	-	35	1	0	0	-	1	482
% Lights	90.0	100.0	100.0	-	99.7	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	-	0.0	-	50.0	99.6
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	1	0	0	-	1	0	0	0	-	0	0	0	0	-	0	0	0	1	-	1	2
% Trucks	10.0	0.0	0.0	-	0.3	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	100.0	-	50.0	0.4

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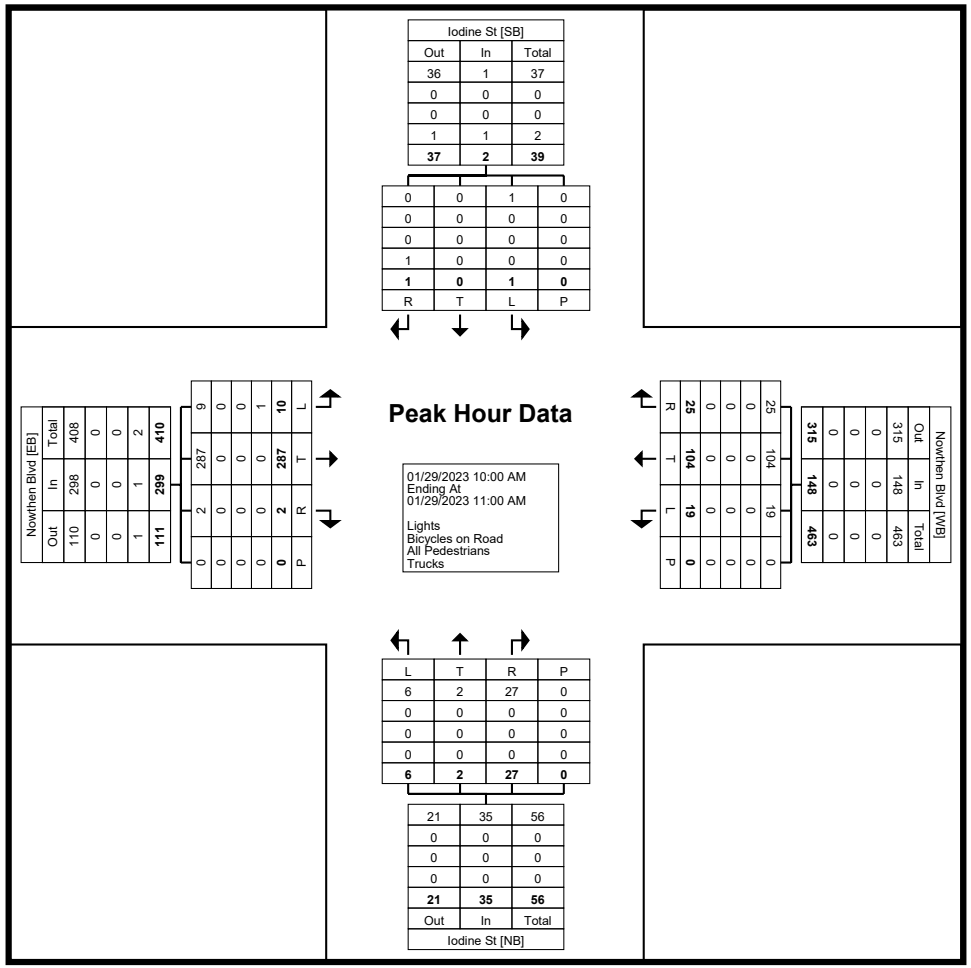
Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (1:00 PM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					Iodine St Northbound					Iodine St Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
1:00 PM	1	54	1	0	56	6	36	1	0	43	0	0	14	0	14	0	0	0	0	0	113
1:15 PM	1	84	1	0	86	10	55	3	0	68	2	0	8	0	10	1	0	1	0	2	166
1:30 PM	1	59	0	0	60	11	59	0	0	70	1	0	9	0	10	0	0	2	0	2	142
1:45 PM	0	52	1	0	53	13	59	0	0	72	0	0	11	0	11	1	0	0	0	1	137
Total	3	249	3	0	255	40	209	4	0	253	3	0	42	0	45	2	0	3	0	5	558
Approach %	1.2	97.6	1.2	-	-	15.8	82.6	1.6	-	-	6.7	0.0	93.3	-	-	40.0	0.0	60.0	-	-	-
Total %	0.5	44.6	0.5	-	45.7	7.2	37.5	0.7	-	45.3	0.5	0.0	7.5	-	8.1	0.4	0.0	0.5	-	0.9	-
PHF	0.750	0.741	0.750	-	0.741	0.769	0.886	0.333	-	0.878	0.375	0.000	0.750	-	0.804	0.500	0.000	0.375	-	0.625	0.840
Lights	3	248	3	-	254	40	209	4	-	253	3	0	42	-	45	2	0	3	-	5	557
% Lights	100.0	99.6	100.0	-	99.6	100.0	100.0	100.0	-	100.0	100.0	-	100.0	-	100.0	100.0	-	100.0	-	100.0	99.8
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	1
% Trucks	0.0	0.4	0.0	-	0.4	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	0.2

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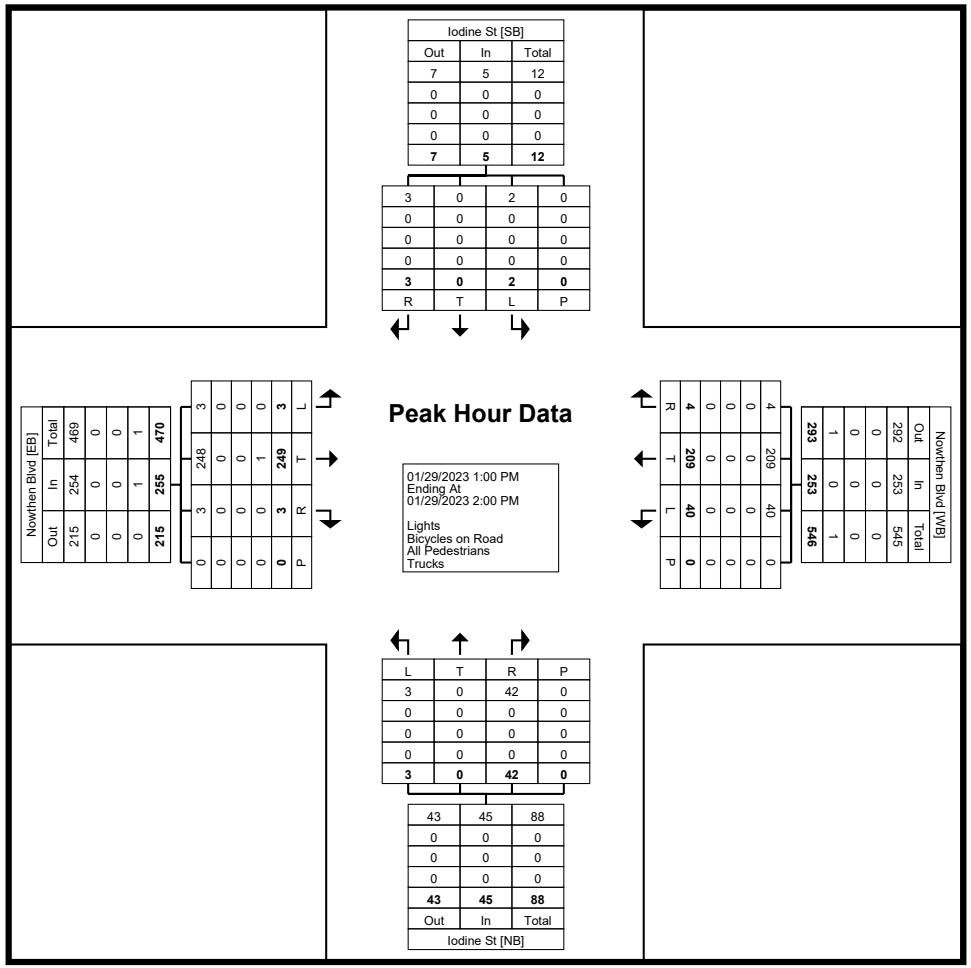
Count Name: Nowthen Blvd & Iodine St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (1:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

Turning Movement Data

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
10:00 AM	1	2	11	0	14	2	1	0	0	3	2	21	4	0	27	0	41	0	0	41	85
10:15 AM	0	4	14	0	18	6	3	0	0	9	4	26	3	0	33	0	58	0	0	58	118
10:30 AM	1	2	7	0	10	5	1	2	0	8	5	22	1	0	28	0	52	0	0	52	98
10:45 AM	1	2	14	0	17	5	7	0	0	12	2	24	3	0	29	0	50	0	0	50	108
Hourly Total	3	10	46	0	59	18	12	2	0	32	13	93	11	0	117	0	201	0	0	201	409
11:00 AM	2	3	6	0	11	1	1	0	0	2	6	15	3	0	24	0	33	2	0	35	72
11:15 AM	4	1	6	0	11	2	1	1	0	4	5	30	4	0	39	0	41	0	0	41	95
11:30 AM	1	3	6	0	10	4	3	0	0	7	6	32	5	0	43	0	46	1	0	47	107
11:45 AM	1	3	17	0	21	8	2	0	0	10	3	36	1	0	40	0	53	2	0	55	126
Hourly Total	8	10	35	0	53	15	7	1	0	23	20	113	13	0	146	0	173	5	0	178	400
12:00 PM	1	3	10	0	14	4	6	1	0	11	11	30	5	0	46	0	41	3	0	44	115
12:15 PM	0	7	10	0	17	1	4	1	0	6	5	35	4	0	44	0	63	2	0	65	132
12:30 PM	1	7	7	0	15	4	1	2	0	7	7	44	4	0	55	0	50	1	0	51	128
12:45 PM	1	7	7	0	15	1	5	1	0	7	9	40	7	0	56	1	39	1	0	41	119
Hourly Total	3	24	34	0	61	10	16	5	0	31	32	149	20	0	201	1	193	7	0	201	494
1:00 PM	1	3	10	0	14	0	1	0	0	1	7	24	1	0	32	0	38	2	0	40	87
1:15 PM	2	4	15	0	21	8	3	0	0	11	16	39	5	0	60	1	50	2	0	53	145
1:30 PM	0	1	12	0	13	4	7	1	0	12	7	51	7	0	65	0	34	2	0	36	126
1:45 PM	0	3	10	0	13	4	2	0	0	6	8	32	8	0	48	0	33	4	0	37	104
Hourly Total	3	11	47	0	61	16	13	1	0	30	38	146	21	0	205	1	155	10	0	166	462
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	4	12	0	16	12	9	2	0	23	3	15	2	0	20	0	127	5	0	132	191
7:15 AM	2	3	17	0	22	10	1	0	0	11	2	29	2	0	33	0	105	1	0	106	172
7:30 AM	3	1	6	0	10	12	6	0	0	18	3	31	3	0	37	2	108	6	0	116	181
7:45 AM	3	6	17	0	26	6	6	3	0	15	3	34	0	0	37	0	126	5	0	131	209
Hourly Total	8	14	52	0	74	40	22	5	0	67	11	109	7	0	127	2	466	17	0	485	753
8:00 AM	6	2	21	0	29	9	3	1	0	13	4	46	5	0	55	3	140	3	0	146	243
8:15 AM	4	3	14	0	21	7	6	1	0	14	3	56	2	0	61	2	100	4	0	106	202
8:30 AM	3	4	5	0	12	6	4	0	0	10	7	37	5	0	49	0	53	1	0	54	125
8:45 AM	1	2	15	0	18	4	4	0	0	8	6	25	3	0	34	0	57	3	0	60	120
Hourly Total	14	11	55	0	80	26	17	2	0	45	20	164	15	0	199	5	350	11	0	366	690
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4:00 PM	6	5	6	0	17	2	5	4	0	11	21	84	12	0	117	11	120	37	0	168	313
4:15 PM	2	1	14	0	17	3	4	0	0	7	15	60	5	0	80	2	71	5	0	78	182
4:30 PM	4	7	15	0	26	8	6	1	0	15	24	82	6	0	112	3	77	3	0	83	236
4:45 PM	2	11	6	0	19	8	7	2	0	17	14	84	4	0	102	0	62	3	0	65	203
Hourly Total	14	24	41	0	79	21	22	7	0	50	74	310	27	0	411	16	330	48	0	394	934
5:00 PM	3	6	12	0	21	0	2	2	0	4	21	82	3	0	106	0	69	5	0	74	205
5:15 PM	0	5	14	0	19	2	6	0	0	8	11	96	4	0	111	0	55	8	0	63	201
5:30 PM	1	3	14	0	18	1	3	1	0	5	10	77	7	0	94	0	48	5	0	53	170
5:45 PM	1	4	11	0	16	2	3	0	0	5	14	63	3	0	80	0	45	5	0	50	151
Hourly Total	5	18	51	0	74	5	14	3	0	22	56	318	17	0	391	0	217	23	0	240	727
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
Grand Total	58	122	361	0	541	151	123	26	0	300	264	1402	132	0	1798	25	2085	121	0	2231	4870
Approach %	10.7	22.6	66.7	-	-	50.3	41.0	8.7	-	-	14.7	78.0	7.3	-	-	1.1	93.5	5.4	-	-	-
Total %	1.2	2.5	7.4	-	11.1	3.1	2.5	0.5	-	6.2	5.4	28.8	2.7	-	36.9	0.5	42.8	2.5	-	45.8	-
Lights	58	118	356	-	532	148	121	25	-	294	261	1382	130	-	1773	22	2052	111	-	2185	4784
% Lights	100.0	96.7	98.6	-	98.3	98.0	98.4	96.2	-	98.0	98.9	98.6	98.5	-	98.6	88.0	98.4	91.7	-	97.9	98.2
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	4	5	-	9	3	2	1	-	6	3	20	2	-	25	3	33	10	-	46	86
% Trucks	0.0	3.3	1.4	-	1.7	2.0	1.6	3.8	-	2.0	1.1	1.4	1.5	-	1.4	12.0	1.6	8.3	-	2.1	1.8

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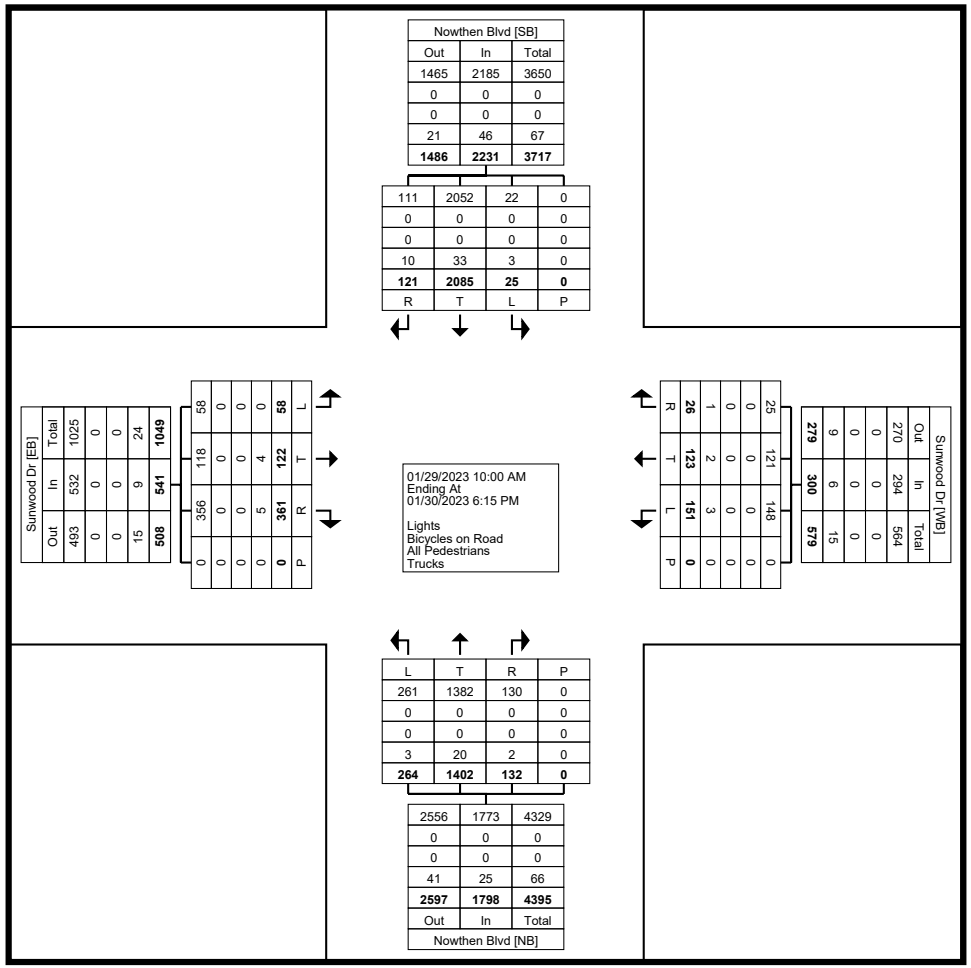
Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023



Turning Movement Data Plot

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

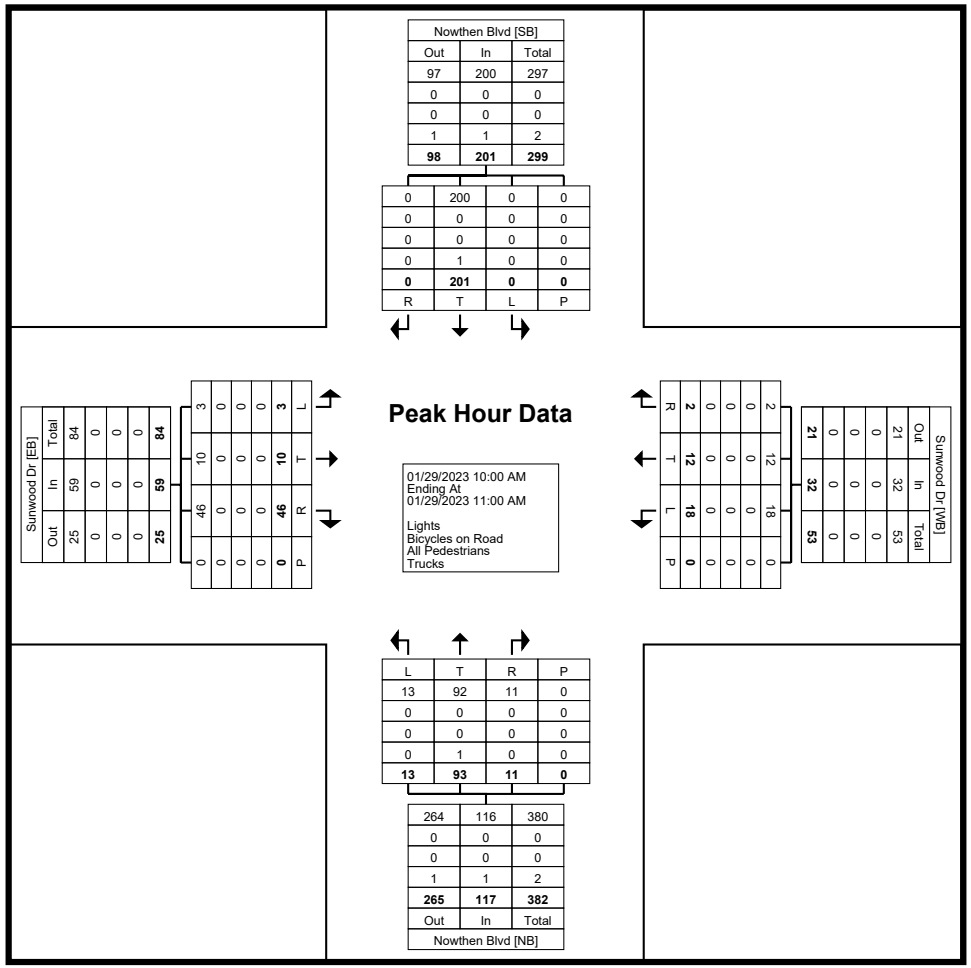
Turning Movement Peak Hour Data (10:00 AM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
10:00 AM	1	2	11	0	14	2	1	0	0	3	2	21	4	0	27	0	41	0	0	41	85
10:15 AM	0	4	14	0	18	6	3	0	0	9	4	26	3	0	33	0	58	0	0	58	118
10:30 AM	1	2	7	0	10	5	1	2	0	8	5	22	1	0	28	0	52	0	0	52	98
10:45 AM	1	2	14	0	17	5	7	0	0	12	2	24	3	0	29	0	50	0	0	50	108
Total	3	10	46	0	59	18	12	2	0	32	13	93	11	0	117	0	201	0	0	201	409
Approach %	5.1	16.9	78.0	-	-	56.3	37.5	6.3	-	-	11.1	79.5	9.4	-	-	0.0	100.0	0.0	-	-	-
Total %	0.7	2.4	11.2	-	14.4	4.4	2.9	0.5	-	7.8	3.2	22.7	2.7	-	28.6	0.0	49.1	0.0	-	49.1	-
PHF	0.750	0.625	0.821	-	0.819	0.750	0.429	0.250	-	0.667	0.650	0.894	0.688	-	0.886	0.000	0.866	0.000	-	0.866	0.867
Lights	3	10	46	-	59	18	12	2	-	32	13	92	11	-	116	0	200	0	-	200	407
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	98.9	100.0	-	99.1	-	99.5	-	-	99.5	99.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	1	0	-	1	2
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	1.1	0.0	-	0.9	-	0.5	-	-	0.5	0.5

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

Turning Movement Peak Hour Data (12:00 PM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
12:00 PM	1	3	10	0	14	4	6	1	0	11	11	30	5	0	46	0	41	3	0	44	115
12:15 PM	0	7	10	0	17	1	4	1	0	6	5	35	4	0	44	0	63	2	0	65	132
12:30 PM	1	7	7	0	15	4	1	2	0	7	7	44	4	0	55	0	50	1	0	51	128
12:45 PM	1	7	7	0	15	1	5	1	0	7	9	40	7	0	56	1	39	1	0	41	119
Total	3	24	34	0	61	10	16	5	0	31	32	149	20	0	201	1	193	7	0	201	494
Approach %	4.9	39.3	55.7	-	-	32.3	51.6	16.1	-	-	15.9	74.1	10.0	-	-	0.5	96.0	3.5	-	-	-
Total %	0.6	4.9	6.9	-	12.3	2.0	3.2	1.0	-	6.3	6.5	30.2	4.0	-	40.7	0.2	39.1	1.4	-	40.7	-
PHF	0.750	0.857	0.850	-	0.897	0.625	0.667	0.625	-	0.705	0.727	0.847	0.714	-	0.897	0.250	0.766	0.583	-	0.773	0.936
Lights	3	24	34	-	61	10	16	5	-	31	32	148	20	-	200	1	191	7	-	199	491
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	99.3	100.0	-	99.5	100.0	99.0	100.0	-	99.0	99.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	0	2	0	-	2	3
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.7	0.0	-	0.5	0.0	1.0	0.0	-	1.0	0.6

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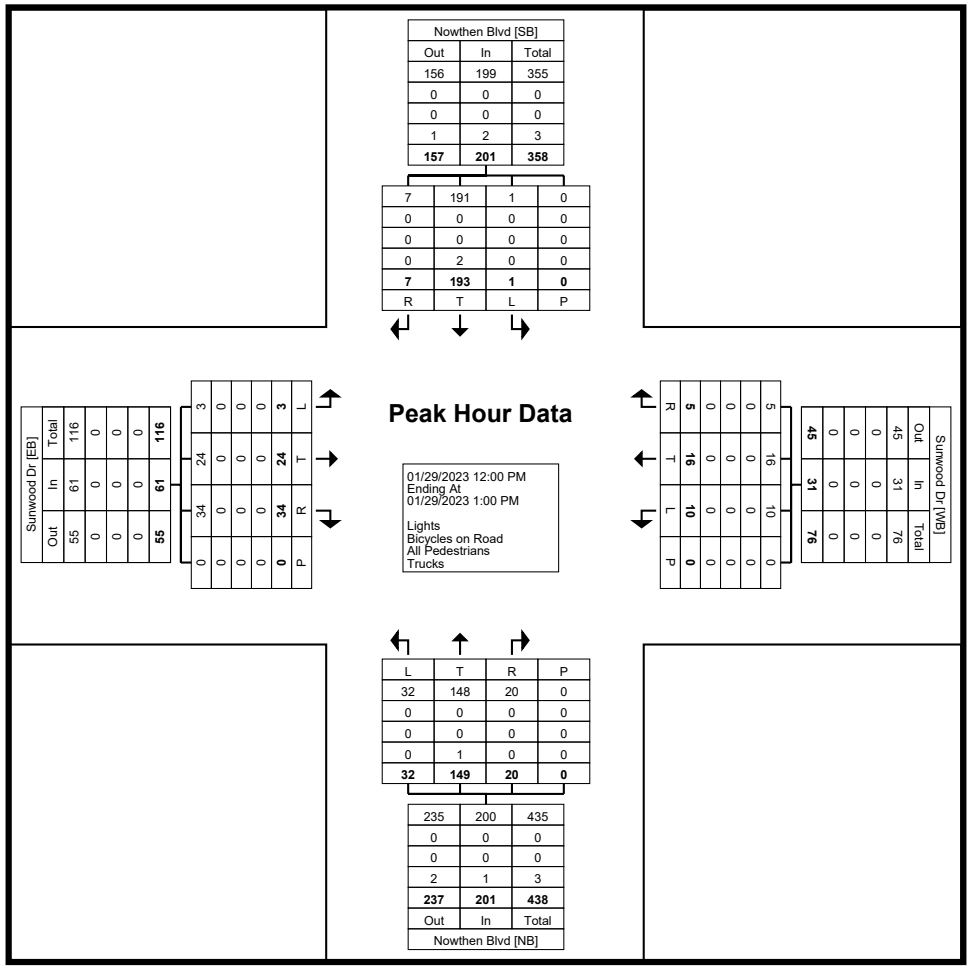
Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023



Turning Movement Peak Hour Data Plot (12:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

Turning Movement Peak Hour Data (7:30 AM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:30 AM	3	1	6	0	10	12	6	0	0	18	3	31	3	0	37	2	108	6	0	116	181
7:45 AM	3	6	17	0	26	6	6	3	0	15	3	34	0	0	37	0	126	5	0	131	209
8:00 AM	6	2	21	0	29	9	3	1	0	13	4	46	5	0	55	3	140	3	0	146	243
8:15 AM	4	3	14	0	21	7	6	1	0	14	3	56	2	0	61	2	100	4	0	106	202
Total	16	12	58	0	86	34	21	5	0	60	13	167	10	0	190	7	474	18	0	499	835
Approach %	18.6	14.0	67.4	-	-	56.7	35.0	8.3	-	-	6.8	87.9	5.3	-	-	1.4	95.0	3.6	-	-	-
Total %	1.9	1.4	6.9	-	10.3	4.1	2.5	0.6	-	7.2	1.6	20.0	1.2	-	22.8	0.8	56.8	2.2	-	59.8	-
PHF	0.667	0.500	0.690	-	0.741	0.708	0.875	0.417	-	0.833	0.813	0.746	0.500	-	0.779	0.583	0.846	0.750	-	0.854	0.859
Lights	16	9	56	-	81	34	19	4	-	57	12	164	9	-	185	7	466	17	-	490	813
% Lights	100.0	75.0	96.6	-	94.2	100.0	90.5	80.0	-	95.0	92.3	98.2	90.0	-	97.4	100.0	98.3	94.4	-	98.2	97.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	3	2	-	5	0	2	1	-	3	1	3	1	-	5	0	8	1	-	9	22
% Trucks	0.0	25.0	3.4	-	5.8	0.0	9.5	20.0	-	5.0	7.7	1.8	10.0	-	2.6	0.0	1.7	5.6	-	1.8	2.6

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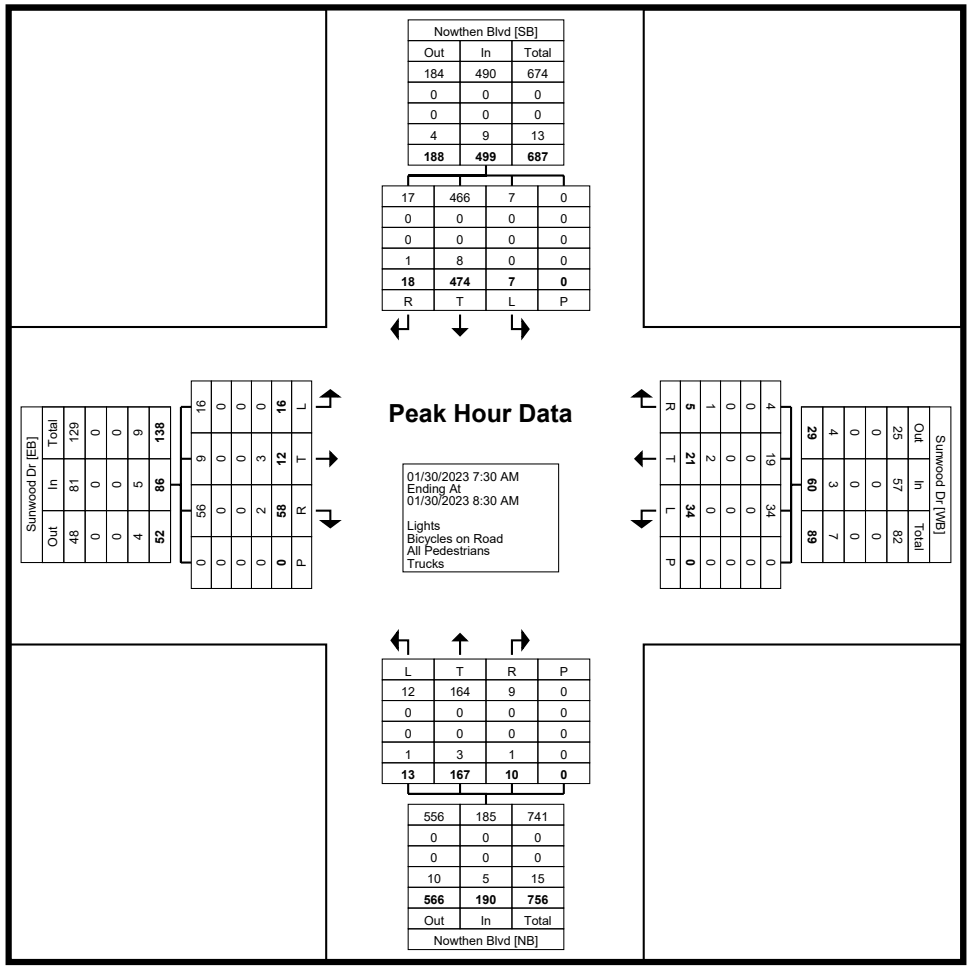
Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023



Turning Movement Peak Hour Data Plot (7:30 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					Nowthen Blvd Northbound					Nowthen Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	6	5	6	0	17	2	5	4	0	11	21	84	12	0	117	11	120	37	0	168	313
4:15 PM	2	1	14	0	17	3	4	0	0	7	15	60	5	0	80	2	71	5	0	78	182
4:30 PM	4	7	15	0	26	8	6	1	0	15	24	82	6	0	112	3	77	3	0	83	236
4:45 PM	2	11	6	0	19	8	7	2	0	17	14	84	4	0	102	0	62	3	0	65	203
Total	14	24	41	0	79	21	22	7	0	50	74	310	27	0	411	16	330	48	0	394	934
Approach %	17.7	30.4	51.9	-	-	42.0	44.0	14.0	-	-	18.0	75.4	6.6	-	-	4.1	83.8	12.2	-	-	-
Total %	1.5	2.6	4.4	-	8.5	2.2	2.4	0.7	-	5.4	7.9	33.2	2.9	-	44.0	1.7	35.3	5.1	-	42.2	-
PHF	0.583	0.545	0.683	-	0.760	0.656	0.786	0.438	-	0.735	0.771	0.923	0.563	-	0.878	0.364	0.688	0.324	-	0.586	0.746
Lights	14	24	39	-	77	19	22	7	-	48	74	307	27	-	408	13	320	40	-	373	906
% Lights	100.0	100.0	95.1	-	97.5	90.5	100.0	100.0	-	96.0	100.0	99.0	100.0	-	99.3	81.3	97.0	83.3	-	94.7	97.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	2	-	2	2	0	0	-	2	0	3	0	-	3	3	10	8	-	21	28
% Trucks	0.0	0.0	4.9	-	2.5	9.5	0.0	0.0	-	4.0	0.0	1.0	0.0	-	0.7	18.8	3.0	16.7	-	5.3	3.0

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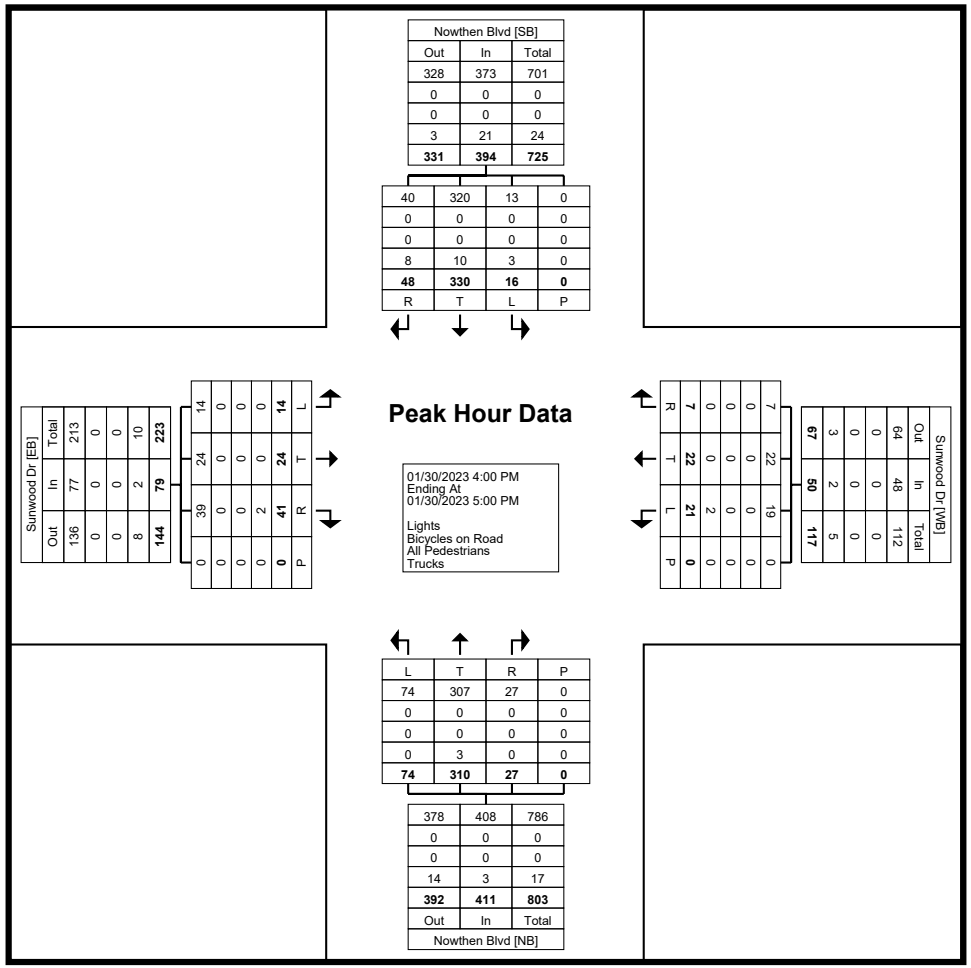
Count Name: Nowthen Blvd & Sunwood Dr
Site Code:
Start Date: 01/29/2023



Turning Movement Peak Hour Data Plot (4:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
7:00 AM	0	0	0	0	15	0	0	15	0	222	0	222	237
7:15 AM	0	0	0	0	34	0	0	34	0	209	0	209	243
7:30 AM	0	1	0	1	51	0	0	51	0	145	0	145	197
7:45 AM	0	0	0	0	38	0	0	38	0	148	0	148	186
Hourly Total	0	1	0	1	138	0	0	138	0	724	0	724	863
8:00 AM	3	0	0	3	53	0	0	53	0	111	0	111	167
8:15 AM	1	0	0	1	52	0	0	52	0	102	0	102	155
8:30 AM	0	2	1	2	33	0	0	33	0	87	0	87	122
8:45 AM	2	1	0	3	39	0	0	39	0	94	0	94	136
Hourly Total	6	3	1	9	177	0	0	177	0	394	0	394	580
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	2	1	0	3	84	0	0	84	0	127	0	127	214
4:15 PM	0	0	0	0	113	0	0	113	0	88	0	88	201
4:30 PM	2	0	1	2	123	0	0	123	0	75	0	75	200
4:45 PM	0	1	0	1	99	0	0	99	0	98	0	98	198
Hourly Total	4	2	1	6	419	0	0	419	0	388	0	388	813
5:00 PM	1	2	0	3	124	0	0	124	0	94	0	94	221
5:15 PM	8	5	0	13	85	0	0	85	0	101	0	101	199
5:30 PM	15	11	0	26	80	0	0	80	0	83	0	83	189
5:45 PM	1	0	0	1	120	0	0	120	0	71	0	71	192
Hourly Total	25	18	0	43	409	0	0	409	0	349	0	349	801
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	4	6	0	10	24	0	0	24	0	59	0	59	93
10:15 AM	4	3	0	7	29	0	0	29	0	85	0	85	121
10:30 AM	1	0	0	1	28	0	0	28	0	68	0	68	97
10:45 AM	5	1	0	6	29	0	0	29	0	75	0	75	110
Hourly Total	14	10	0	24	110	0	0	110	0	287	0	287	421
11:00 AM	1	0	0	1	30	0	0	30	0	40	0	40	71
11:15 AM	3	1	0	4	41	0	0	41	0	56	0	56	101
11:30 AM	0	0	0	0	46	0	0	46	0	58	0	58	104
11:45 AM	9	6	0	15	41	0	0	41	0	85	0	85	141
Hourly Total	13	7	0	20	158	0	0	158	0	239	0	239	417

12:00 PM	6	1	0	7	47	0	0	47	0	60	0	60	114
12:15 PM	1	1	0	2	49	0	0	49	0	80	0	80	131
12:30 PM	1	2	0	3	58	0	0	58	0	64	0	64	125
12:45 PM	0	1	0	1	61	0	0	61	0	51	0	51	113
Hourly Total	8	5	0	13	215	0	0	215	0	255	0	255	483
1:00 PM	1	0	0	1	36	0	0	36	0	55	0	55	92
1:15 PM	14	10	0	24	57	0	0	57	0	75	0	75	156
1:30 PM	6	3	0	9	64	0	0	64	0	51	0	51	124
1:45 PM	2	3	0	5	54	0	0	54	0	54	0	54	113
Hourly Total	23	16	0	39	211	0	0	211	0	235	0	235	485
Grand Total	93	62	2	155	1837	0	0	1837	0	2871	0	2871	4863
Approach %	60.0	40.0	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	1.9	1.3	-	3.2	37.8	0.0	-	37.8	0.0	59.0	-	59.0	-
Lights	93	61	-	154	1807	0	-	1807	0	2825	-	2825	4786
% Lights	100.0	98.4	-	99.4	98.4	-	-	98.4	-	98.4	-	98.4	98.4
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	2	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	100.0	-	-	-	-	-	-	-	-	-	-
Trucks	0	1	-	1	30	0	-	30	0	46	-	46	77
% Trucks	0.0	1.6	-	0.6	1.6	-	-	1.6	-	1.6	-	1.6	1.6

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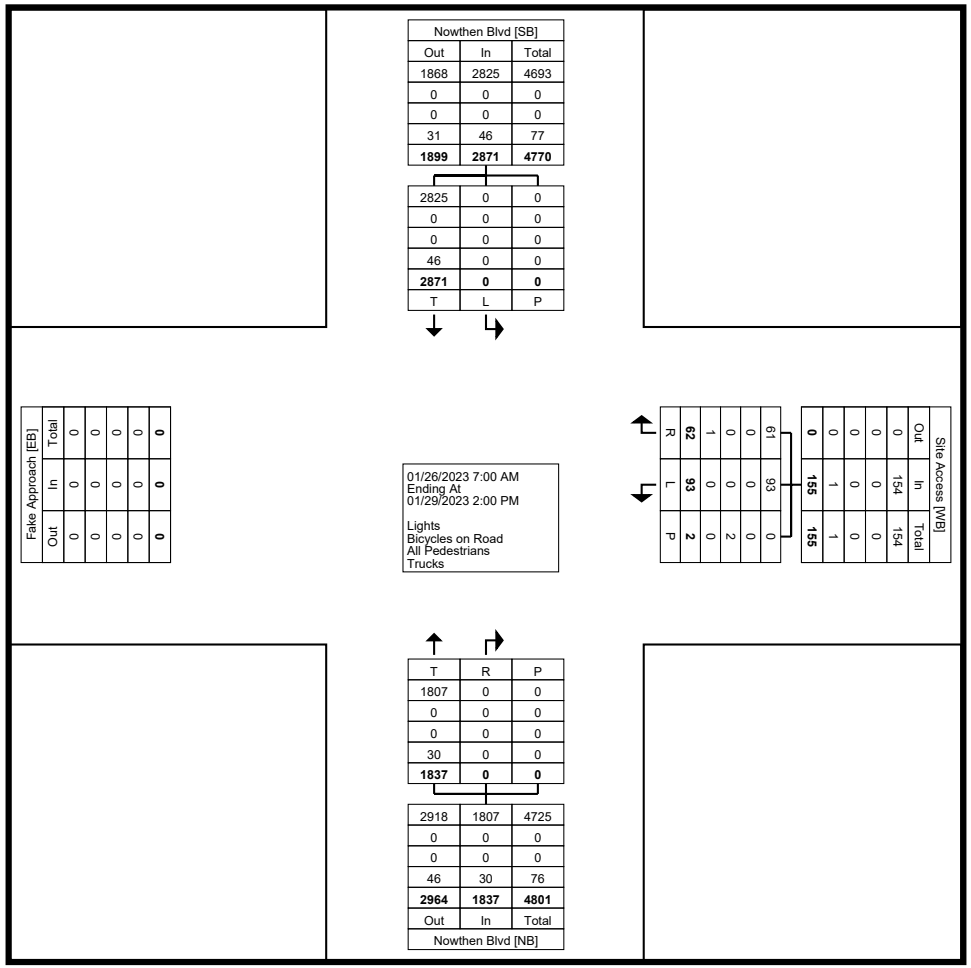
Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

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Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

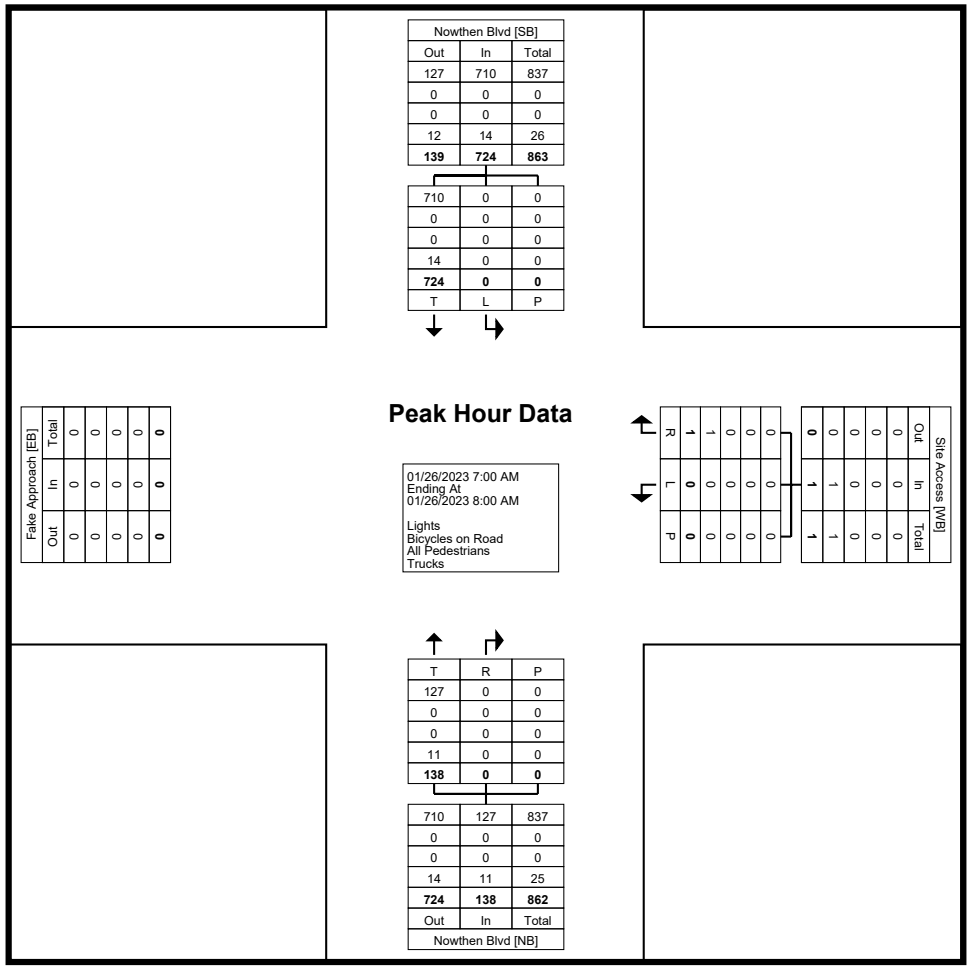
Turning Movement Peak Hour Data (7:00 AM)

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
7:00 AM	0	0	0	0	15	0	0	15	0	222	0	222	237
7:15 AM	0	0	0	0	34	0	0	34	0	209	0	209	243
7:30 AM	0	1	0	1	51	0	0	51	0	145	0	145	197
7:45 AM	0	0	0	0	38	0	0	38	0	148	0	148	186
Total	0	1	0	1	138	0	0	138	0	724	0	724	863
Approach %	0.0	100.0	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	0.0	0.1	-	0.1	16.0	0.0	-	16.0	0.0	83.9	-	83.9	-
PHF	0.000	0.250	-	0.250	0.676	0.000	-	0.676	0.000	0.815	-	0.815	0.888
Lights	0	0	-	0	127	0	-	127	0	710	-	710	837
% Lights	-	0.0	-	0.0	92.0	-	-	92.0	-	98.1	-	98.1	97.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	-	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	1	-	1	11	0	-	11	0	14	-	14	26
% Trucks	-	100.0	-	100.0	8.0	-	-	8.0	-	1.9	-	1.9	3.0

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:15 PM)

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
4:15 PM	0	0	0	0	113	0	0	113	0	88	0	88	201
4:30 PM	2	0	1	2	123	0	0	123	0	75	0	75	200
4:45 PM	0	1	0	1	99	0	0	99	0	98	0	98	198
5:00 PM	1	2	0	3	124	0	0	124	0	94	0	94	221
Total	3	3	1	6	459	0	0	459	0	355	0	355	820
Approach %	50.0	50.0	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	0.4	0.4	-	0.7	56.0	0.0	-	56.0	0.0	43.3	-	43.3	-
PHF	0.375	0.375	-	0.500	0.925	0.000	-	0.925	0.000	0.906	-	0.906	0.928
Lights	3	3	-	6	453	0	-	453	0	343	-	343	802
% Lights	100.0	100.0	-	100.0	98.7	-	-	98.7	-	96.6	-	96.6	97.8
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	1	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	100.0	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	-	0	6	0	-	6	0	12	-	12	18
% Trucks	0.0	0.0	-	0.0	1.3	-	-	1.3	-	3.4	-	3.4	2.2

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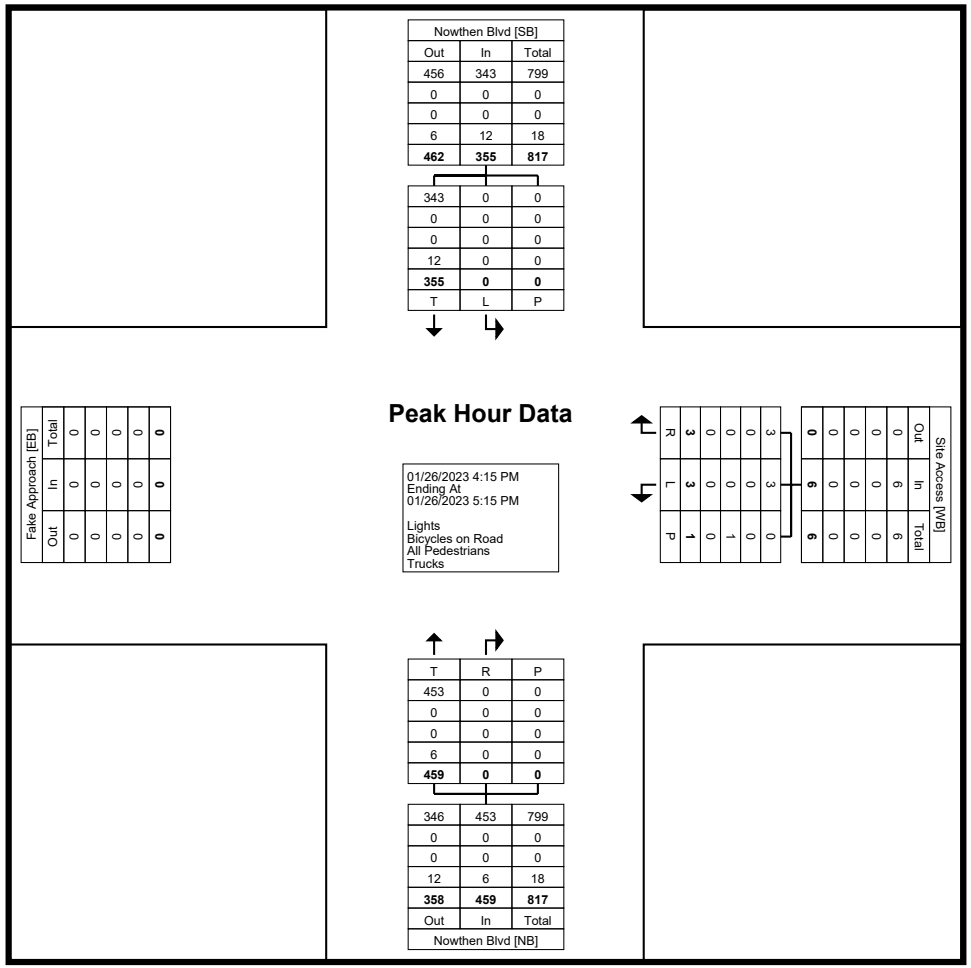
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:15 PM)

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Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (10:00 AM)

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
10:00 AM	4	6	0	10	24	0	0	24	0	59	0	59	93
10:15 AM	4	3	0	7	29	0	0	29	0	85	0	85	121
10:30 AM	1	0	0	1	28	0	0	28	0	68	0	68	97
10:45 AM	5	1	0	6	29	0	0	29	0	75	0	75	110
Total	14	10	0	24	110	0	0	110	0	287	0	287	421
Approach %	58.3	41.7	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	3.3	2.4	-	5.7	26.1	0.0	-	26.1	0.0	68.2	-	68.2	-
PHF	0.700	0.417	-	0.600	0.948	0.000	-	0.948	0.000	0.844	-	0.844	0.870
Lights	14	10	-	24	109	0	-	109	0	286	-	286	419
% Lights	100.0	100.0	-	100.0	99.1	-	-	99.1	-	99.7	-	99.7	99.5
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	-	0	1	0	-	1	0	1	-	1	2
% Trucks	0.0	0.0	-	0.0	0.9	-	-	0.9	-	0.3	-	0.3	0.5

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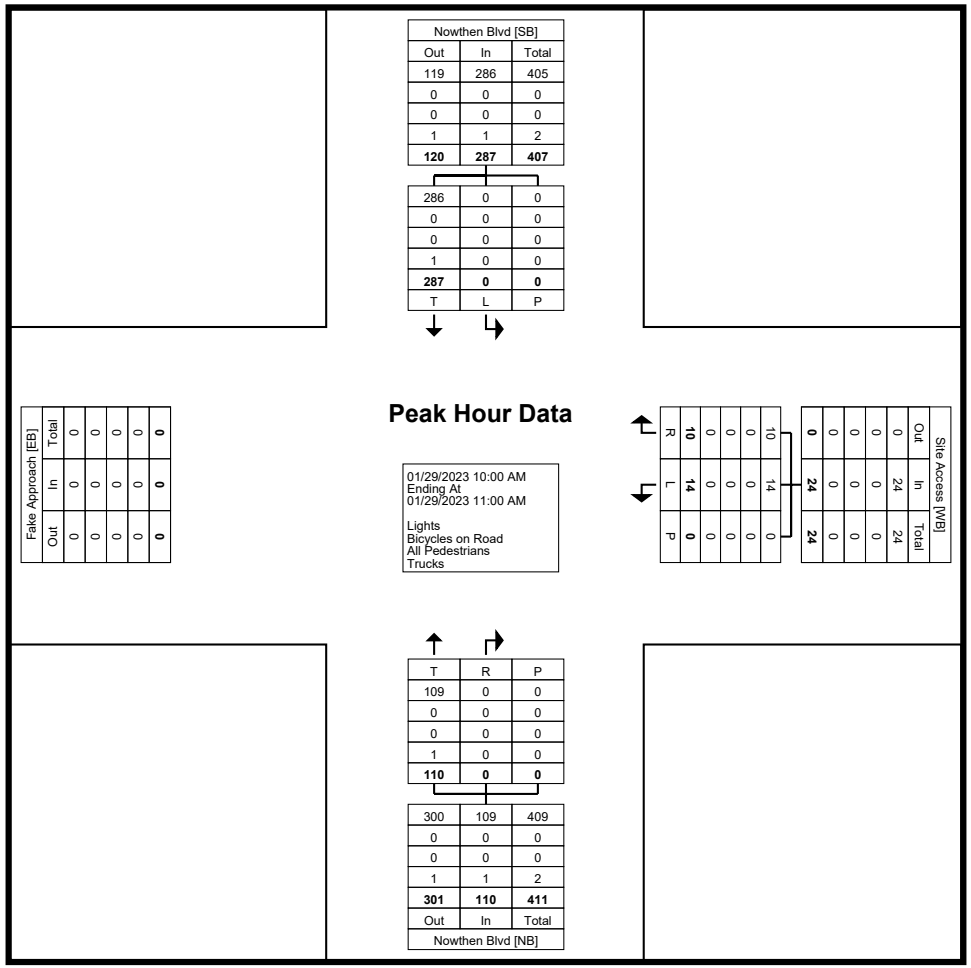
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

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Count Name: Nowthen Blvd & the North Site Access
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (12:30 PM)

Start Time	Site Access Westbound				Nowthen Blvd Northbound				Nowthen Blvd Southbound				
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Int. Total
12:30 PM	1	2	0	3	58	0	0	58	0	64	0	64	125
12:45 PM	0	1	0	1	61	0	0	61	0	51	0	51	113
1:00 PM	1	0	0	1	36	0	0	36	0	55	0	55	92
1:15 PM	14	10	0	24	57	0	0	57	0	75	0	75	156
Total	16	13	0	29	212	0	0	212	0	245	0	245	486
Approach %	55.2	44.8	-	-	100.0	0.0	-	-	0.0	100.0	-	-	-
Total %	3.3	2.7	-	6.0	43.6	0.0	-	43.6	0.0	50.4	-	50.4	-
PHF	0.286	0.325	-	0.302	0.869	0.000	-	0.869	0.000	0.817	-	0.817	0.779
Lights	16	13	-	29	211	0	-	211	0	243	-	243	483
% Lights	100.0	100.0	-	100.0	99.5	-	-	99.5	-	99.2	-	99.2	99.4
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	-	0	1	0	-	1	0	2	-	2	3
% Trucks	0.0	0.0	-	0.0	0.5	-	-	0.5	-	0.8	-	0.8	0.6

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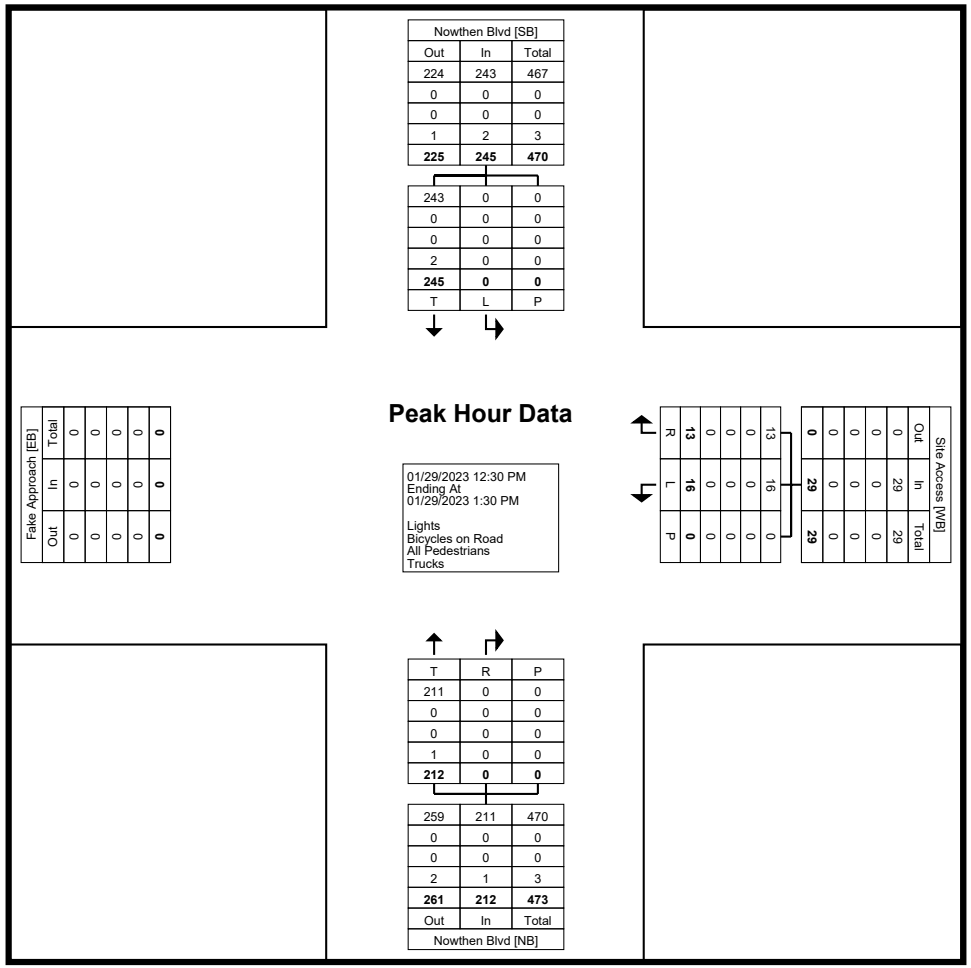
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (12:30 PM)

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Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	3	9	174	0	186	31	2	2	0	35	13	20	2	0	35	4	147	1	0	152	408
7:15 AM	2	9	194	0	205	40	6	3	0	49	32	53	6	0	91	3	116	10	0	129	474
7:30 AM	4	4	119	0	127	28	10	2	0	40	43	37	5	0	85	8	146	4	0	158	410
7:45 AM	2	8	131	0	141	19	3	2	0	24	28	38	3	0	69	5	141	13	0	159	393
Hourly Total	11	30	618	0	659	118	21	9	0	148	116	148	16	0	280	20	550	28	0	598	1685
8:00 AM	3	12	93	0	108	13	6	4	0	23	48	52	8	0	108	1	126	9	0	136	375
8:15 AM	2	10	92	0	104	10	6	1	0	17	42	53	8	0	103	4	104	8	0	116	340
8:30 AM	4	2	83	0	89	13	6	3	0	22	33	48	4	0	85	6	106	2	0	114	310
8:45 AM	2	7	83	0	92	14	5	0	0	19	37	42	3	0	82	8	86	7	0	101	294
Hourly Total	11	31	351	0	393	50	23	8	0	81	160	195	23	0	378	19	422	26	0	467	1319
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	15	12	107	0	134	11	16	8	0	35	83	188	13	2	284	4	80	1	0	85	538
4:15 PM	12	11	73	0	96	14	11	7	0	32	90	173	5	0	268	5	86	0	0	91	487
4:30 PM	25	14	82	0	121	18	13	10	0	41	94	132	10	0	236	6	90	6	0	102	500
4:45 PM	12	12	88	0	112	12	13	15	1	40	85	155	10	0	250	0	88	1	1	89	491
Hourly Total	64	49	350	0	463	55	53	40	1	148	352	648	38	2	1038	15	344	8	1	367	2016
5:00 PM	13	5	84	0	102	16	21	9	0	46	110	165	20	1	295	4	71	5	0	80	523
5:15 PM	4	8	105	0	117	8	14	11	0	33	87	193	9	0	289	1	102	4	0	107	546
5:30 PM	11	6	103	0	120	18	9	10	0	37	86	147	12	0	245	5	77	5	0	87	489
5:45 PM	8	9	67	0	84	14	9	6	0	29	104	151	5	0	260	5	90	3	0	98	471
Hourly Total	36	28	359	0	423	56	53	36	0	145	387	656	46	1	1089	15	340	17	0	372	2029
6:00 PM	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
10:00 AM	4	6	66	0	76	10	3	5	0	18	20	50	4	0	74	3	85	0	0	88	256
10:15 AM	8	6	70	0	84	14	5	0	0	19	24	47	2	0	73	3	100	4	0	107	283
10:30 AM	2	7	67	0	76	10	2	1	0	13	32	45	6	0	83	6	90	7	0	103	275
10:45 AM	2	6	71	0	79	18	6	5	0	29	31	68	6	0	105	7	97	2	0	106	319
Hourly Total	16	25	274	0	315	52	16	11	0	79	107	210	18	0	335	19	372	13	0	404	1133
11:00 AM	2	4	46	0	52	13	4	3	0	20	29	63	3	0	95	4	77	1	0	82	249
11:15 AM	3	5	47	0	55	16	9	3	0	28	40	68	5	0	113	5	74	4	0	83	279
11:30 AM	4	5	61	0	70	13	4	1	0	18	36	79	3	0	118	8	113	5	0	126	332
11:45 AM	2	12	78	0	92	11	4	0	0	15	41	90	7	0	138	9	93	2	0	104	349
Hourly Total	11	26	232	0	269	53	21	7	0	81	146	300	18	0	464	26	357	12	0	395	1209

12:00 PM	4	7	58	0	69	22	3	7	0	32	37	86	9	0	132	5	112	5	0	122	355
12:15 PM	4	11	76	0	91	15	9	1	0	25	49	84	3	0	136	5	113	3	0	121	373
12:30 PM	3	13	59	0	75	11	3	3	0	17	54	99	6	0	159	7	101	2	0	110	361
12:45 PM	2	4	57	0	63	12	14	5	0	31	60	96	6	0	162	3	75	3	0	81	337
Hourly Total	13	35	250	0	298	60	29	16	0	105	200	365	24	0	589	20	401	13	0	434	1426
1:00 PM	3	7	62	0	72	4	1	4	0	9	34	112	3	0	149	9	90	1	0	100	330
1:15 PM	5	16	71	0	92	12	7	1	0	20	56	106	8	0	170	2	75	0	0	77	359
1:30 PM	2	7	62	0	71	15	13	1	0	29	56	121	13	0	190	4	84	0	0	88	378
1:45 PM	7	7	60	0	74	11	8	5	0	24	61	128	8	0	197	4	83	3	0	90	385
Hourly Total	17	37	255	0	309	42	29	11	0	82	207	467	32	0	706	19	332	4	0	355	1452
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	179	261	2690	0	3130	486	245	138	1	869	1675	2990	215	3	4880	153	3118	121	1	3392	12271
Approach %	5.7	8.3	85.9	-	-	55.9	28.2	15.9	-	-	34.3	61.3	4.4	-	-	4.5	91.9	3.6	-	-	-
Total %	1.5	2.1	21.9	-	25.5	4.0	2.0	1.1	-	7.1	13.7	24.4	1.8	-	39.8	1.2	25.4	1.0	-	27.6	-
Lights	176	257	2654	-	3087	482	242	135	-	859	1650	2951	211	-	4812	152	3063	119	-	3334	12092
% Lights	98.3	98.5	98.7	-	98.6	99.2	98.8	97.8	-	98.8	98.5	98.7	98.1	-	98.6	99.3	98.2	98.3	-	98.3	98.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	1	-	-	-	-	3	-	-	-	-	1	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	100.0	-	-
Trucks	3	4	36	-	43	4	3	3	-	10	25	39	4	-	68	1	55	2	-	58	179
% Trucks	1.7	1.5	1.3	-	1.4	0.8	1.2	2.2	-	1.2	1.5	1.3	1.9	-	1.4	0.7	1.8	1.7	-	1.7	1.5

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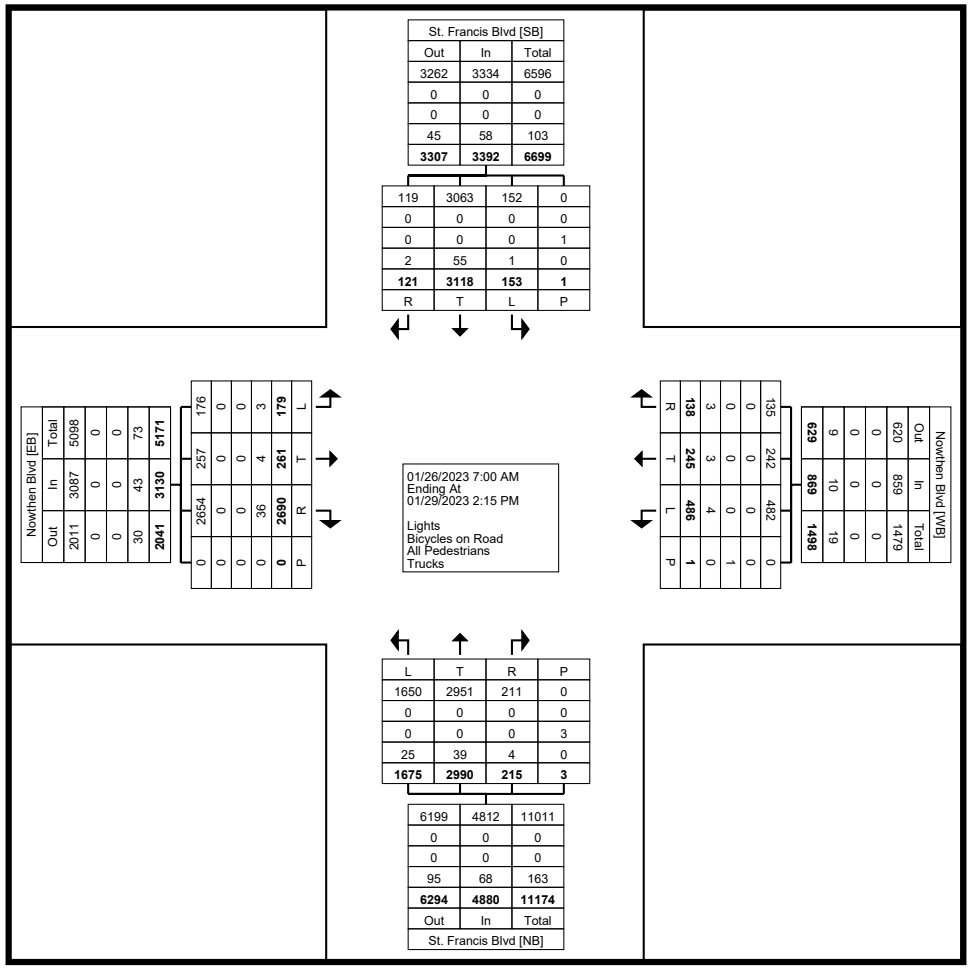

Turning Movement Data Plot

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Turning Movement Peak Hour Data (7:00 AM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	3	9	174	0	186	31	2	2	0	35	13	20	2	0	35	4	147	1	0	152	408
7:15 AM	2	9	194	0	205	40	6	3	0	49	32	53	6	0	91	3	116	10	0	129	474
7:30 AM	4	4	119	0	127	28	10	2	0	40	43	37	5	0	85	8	146	4	0	158	410
7:45 AM	2	8	131	0	141	19	3	2	0	24	28	38	3	0	69	5	141	13	0	159	393
Total	11	30	618	0	659	118	21	9	0	148	116	148	16	0	280	20	550	28	0	598	1685
Approach %	1.7	4.6	93.8	-	-	79.7	14.2	6.1	-	-	41.4	52.9	5.7	-	-	3.3	92.0	4.7	-	-	-
Total %	0.7	1.8	36.7	-	39.1	7.0	1.2	0.5	-	8.8	6.9	8.8	0.9	-	16.6	1.2	32.6	1.7	-	35.5	-
PHF	0.688	0.833	0.796	-	0.804	0.738	0.525	0.750	-	0.755	0.674	0.698	0.667	-	0.769	0.625	0.935	0.538	-	0.940	0.889
Lights	10	29	606	-	645	118	21	9	-	148	107	140	15	-	262	20	531	28	-	579	1634
% Lights	90.9	96.7	98.1	-	97.9	100.0	100.0	100.0	-	100.0	92.2	94.6	93.8	-	93.6	100.0	96.5	100.0	-	96.8	97.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	1	1	12	-	14	0	0	0	-	0	9	8	1	-	18	0	19	0	-	19	51
% Trucks	9.1	3.3	1.9	-	2.1	0.0	0.0	0.0	-	0.0	7.8	5.4	6.3	-	6.4	0.0	3.5	0.0	-	3.2	3.0

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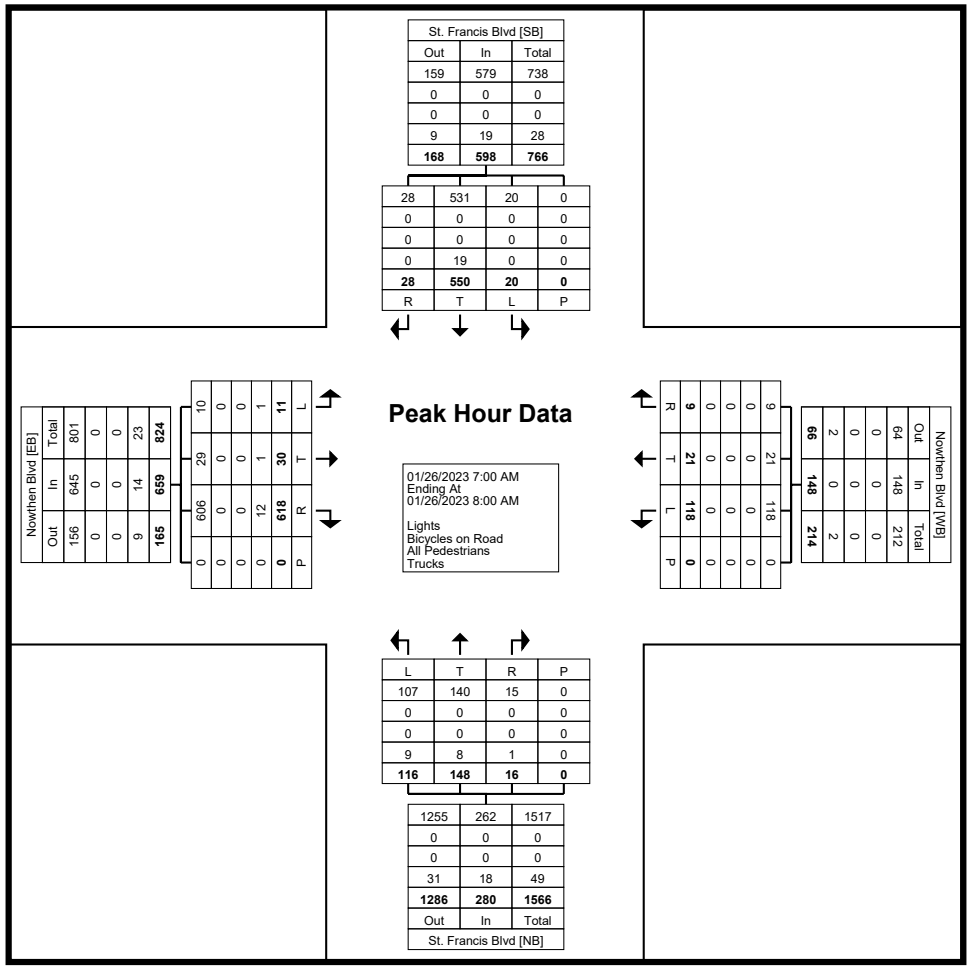

Turning Movement Peak Hour Data Plot (7:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:30 PM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:30 PM	25	14	82	0	121	18	13	10	0	41	94	132	10	0	236	6	90	6	0	102	500
4:45 PM	12	12	88	0	112	12	13	15	1	40	85	155	10	0	250	0	88	1	1	89	491
5:00 PM	13	5	84	0	102	16	21	9	0	46	110	165	20	1	295	4	71	5	0	80	523
5:15 PM	4	8	105	0	117	8	14	11	0	33	87	193	9	0	289	1	102	4	0	107	546
Total	54	39	359	0	452	54	61	45	1	160	376	645	49	1	1070	11	351	16	1	378	2060
Approach %	11.9	8.6	79.4	-	-	33.8	38.1	28.1	-	-	35.1	60.3	4.6	-	-	2.9	92.9	4.2	-	-	-
Total %	2.6	1.9	17.4	-	21.9	2.6	3.0	2.2	-	7.8	18.3	31.3	2.4	-	51.9	0.5	17.0	0.8	-	18.3	-
PHF	0.540	0.696	0.855	-	0.934	0.750	0.726	0.750	-	0.870	0.855	0.835	0.613	-	0.907	0.458	0.860	0.667	-	0.883	0.943
Lights	54	38	349	-	441	53	60	45	-	158	374	639	49	-	1062	10	343	15	-	368	2029
% Lights	100.0	97.4	97.2	-	97.6	98.1	98.4	100.0	-	98.8	99.5	99.1	100.0	-	99.3	90.9	97.7	93.8	-	97.4	98.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	100.0	-	-
Trucks	0	1	10	-	11	1	1	0	-	2	2	6	0	-	8	1	8	1	-	10	31
% Trucks	0.0	2.6	2.8	-	2.4	1.9	1.6	0.0	-	1.3	0.5	0.9	0.0	-	0.7	9.1	2.3	6.3	-	2.6	1.5

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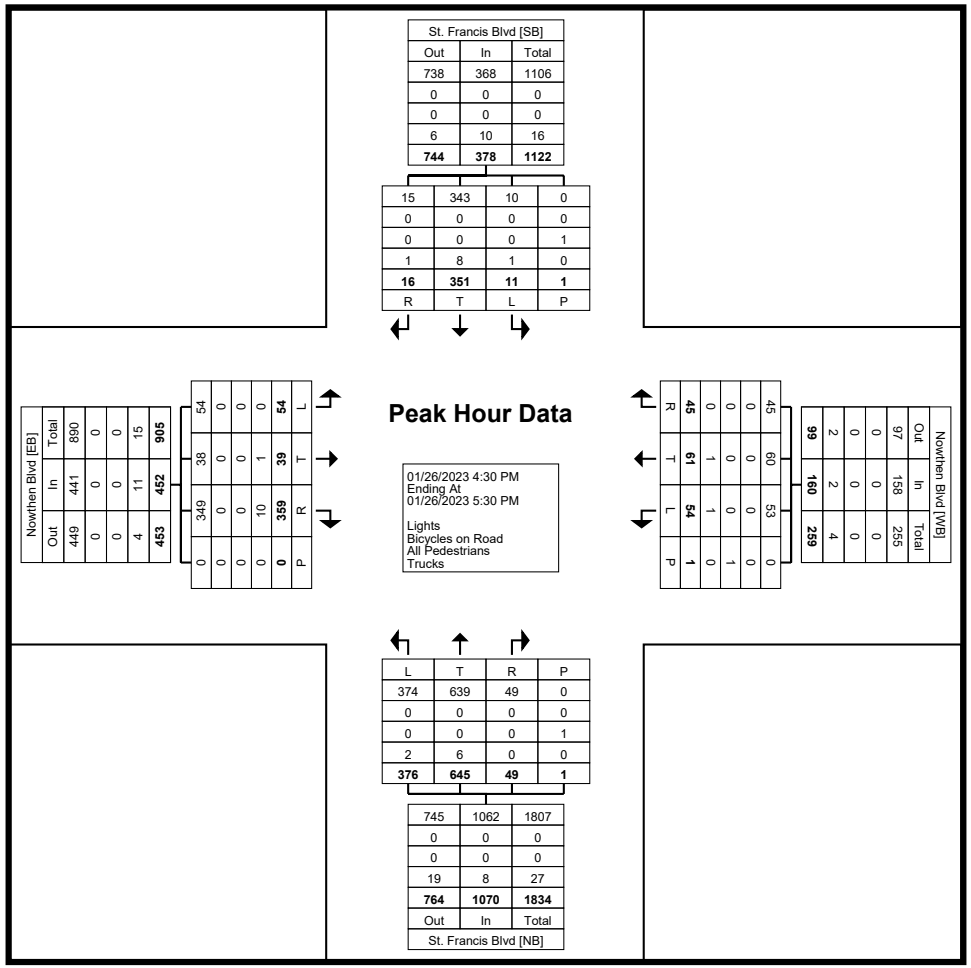
Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:30 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (11:00 AM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	2	4	46	0	52	13	4	3	0	20	29	63	3	0	95	4	77	1	0	82	249
11:15 AM	3	5	47	0	55	16	9	3	0	28	40	68	5	0	113	5	74	4	0	83	279
11:30 AM	4	5	61	0	70	13	4	1	0	18	36	79	3	0	118	8	113	5	0	126	332
11:45 AM	2	12	78	0	92	11	4	0	0	15	41	90	7	0	138	9	93	2	0	104	349
Total	11	26	232	0	269	53	21	7	0	81	146	300	18	0	464	26	357	12	0	395	1209
Approach %	4.1	9.7	86.2	-	-	65.4	25.9	8.6	-	-	31.5	64.7	3.9	-	-	6.6	90.4	3.0	-	-	-
Total %	0.9	2.2	19.2	-	22.2	4.4	1.7	0.6	-	6.7	12.1	24.8	1.5	-	38.4	2.2	29.5	1.0	-	32.7	-
PHF	0.688	0.542	0.744	-	0.731	0.828	0.583	0.583	-	0.723	0.890	0.833	0.643	-	0.841	0.722	0.790	0.600	-	0.784	0.866
Lights	11	26	232	-	269	53	21	7	-	81	146	300	18	-	464	26	357	12	-	395	1209
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0

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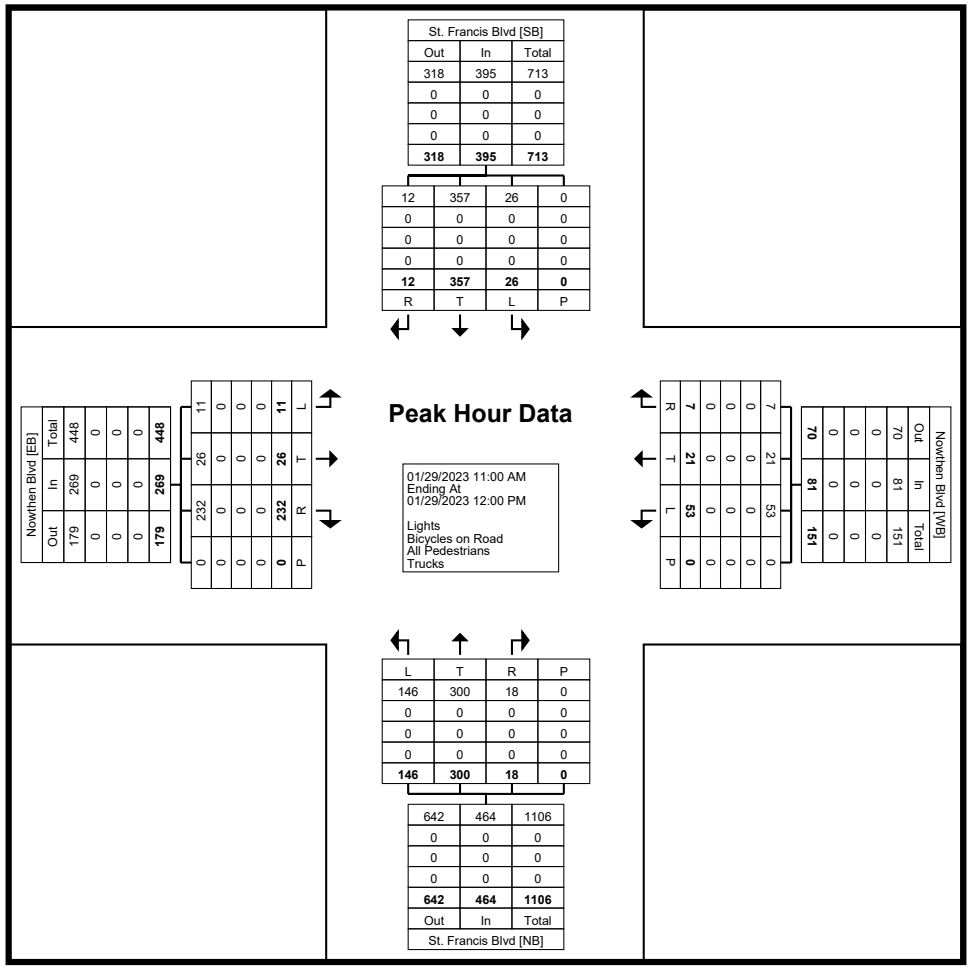
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (11:00 AM)

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Count Name: St Francis Blvd & Nowthen Blvd
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (1:00 PM)

Start Time	Nowthen Blvd Eastbound					Nowthen Blvd Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
1:00 PM	3	7	62	0	72	4	1	4	0	9	34	112	3	0	149	9	90	1	0	100	330
1:15 PM	5	16	71	0	92	12	7	1	0	20	56	106	8	0	170	2	75	0	0	77	359
1:30 PM	2	7	62	0	71	15	13	1	0	29	56	121	13	0	190	4	84	0	0	88	378
1:45 PM	7	7	60	0	74	11	8	5	0	24	61	128	8	0	197	4	83	3	0	90	385
Total	17	37	255	0	309	42	29	11	0	82	207	467	32	0	706	19	332	4	0	355	1452
Approach %	5.5	12.0	82.5	-	-	51.2	35.4	13.4	-	-	29.3	66.1	4.5	-	-	5.4	93.5	1.1	-	-	-
Total %	1.2	2.5	17.6	-	21.3	2.9	2.0	0.8	-	5.6	14.3	32.2	2.2	-	48.6	1.3	22.9	0.3	-	24.4	-
PHF	0.607	0.578	0.898	-	0.840	0.700	0.558	0.550	-	0.707	0.848	0.912	0.615	-	0.896	0.528	0.922	0.333	-	0.888	0.943
Lights	17	37	255	-	309	42	29	11	-	82	207	465	32	-	704	19	332	4	-	355	1450
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	99.6	100.0	-	99.7	100.0	100.0	100.0	-	100.0	99.9
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	2	0	-	2	0	0	0	-	0	2
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.4	0.0	-	0.3	0.0	0.0	0.0	-	0.0	0.1

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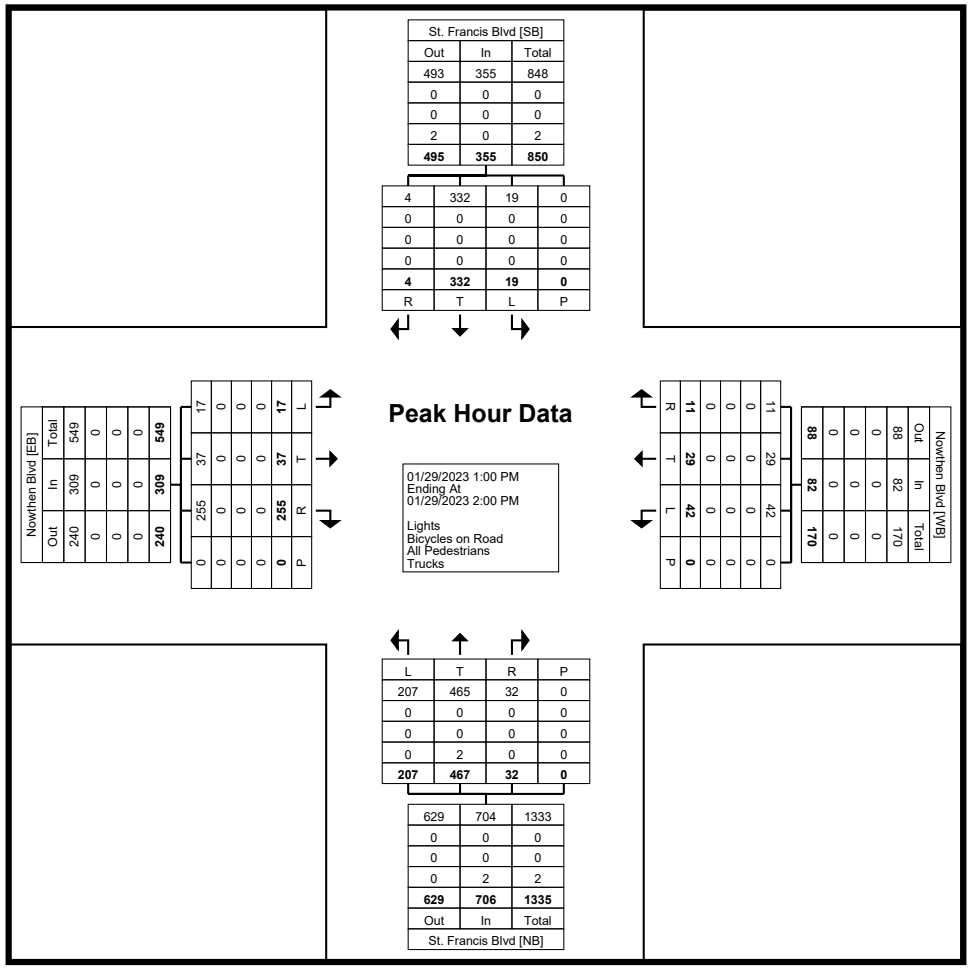
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (1:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	7	5	3	0	15	6	2	3	0	11	5	184	19	0	208	1	77	1	0	79	313
4:15 PM	3	1	1	0	5	14	2	4	0	20	1	181	24	0	206	3	86	1	0	90	321
4:30 PM	1	2	4	0	7	11	2	1	0	14	4	145	13	0	162	2	81	4	0	87	270
4:45 PM	4	5	3	0	12	12	1	4	0	17	4	169	8	0	181	1	76	2	0	79	289
Hourly Total	15	13	11	0	39	43	7	12	0	62	14	679	64	0	757	7	320	8	0	335	1193
5:00 PM	5	3	0	0	8	4	4	0	0	8	7	166	15	0	188	1	86	3	0	90	294
5:15 PM	8	2	5	0	15	6	0	2	0	8	6	185	18	0	209	1	88	3	0	92	324
5:30 PM	3	2	6	0	11	12	3	1	0	16	2	157	13	0	172	1	74	2	0	77	276
5:45 PM	2	1	4	0	7	10	0	3	0	13	9	139	14	0	162	4	85	2	0	91	273
Hourly Total	18	8	15	0	41	32	7	6	0	45	24	647	60	0	731	7	333	10	0	350	1167
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	3	0	2	0	5	13	0	1	0	14	0	25	1	0	26	2	150	3	0	155	200
7:15 AM	0	1	2	2	3	13	1	0	0	14	2	31	3	0	36	1	110	3	2	114	167
7:30 AM	1	0	3	0	4	8	3	2	0	13	1	43	10	0	54	1	104	0	0	105	176
7:45 AM	0	2	6	0	8	9	4	1	0	14	2	41	3	0	46	1	112	3	0	116	184
Hourly Total	4	3	13	2	20	43	8	4	0	55	5	140	17	0	162	5	476	9	2	490	727
8:00 AM	1	1	7	0	9	13	2	1	0	16	1	46	8	0	55	1	102	3	0	106	186
8:15 AM	1	0	6	0	7	12	0	3	0	15	1	52	3	0	56	0	102	2	0	104	182
8:30 AM	0	1	2	0	3	14	2	0	0	16	1	44	3	0	48	2	85	0	0	87	154
8:45 AM	1	0	6	0	7	12	1	0	0	13	2	40	3	0	45	0	71	0	0	71	136
Hourly Total	3	2	21	0	26	51	5	4	0	60	5	182	17	0	204	3	360	5	0	368	658
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	2	1	1	0	4	9	1	2	0	12	3	53	4	0	60	0	81	1	0	82	158
10:15 AM	3	1	9	0	13	12	1	0	0	13	2	52	3	0	57	0	86	2	0	88	171
10:30 AM	0	2	4	0	6	7	1	3	0	11	3	37	4	0	44	0	93	0	0	93	154
10:45 AM	1	0	3	0	4	9	2	1	0	12	1	69	6	0	76	1	87	5	0	93	185
Hourly Total	6	4	17	0	27	37	5	6	0	48	9	211	17	0	237	1	347	8	0	356	668
11:00 AM	2	0	4	0	6	6	1	0	0	7	2	62	5	0	69	0	73	0	0	73	155
11:15 AM	0	1	3	0	4	8	0	0	0	8	1	70	3	0	74	1	78	3	0	82	168
11:30 AM	1	1	3	0	5	14	1	2	0	17	2	71	10	0	83	1	114	3	0	118	223
11:45 AM	1	2	3	0	6	5	0	0	0	5	2	82	6	0	90	2	94	3	0	99	200
Hourly Total	4	4	13	0	21	33	2	2	0	37	7	285	24	0	316	4	359	9	0	372	746

12:00 PM	0	1	3	0	4	5	0	1	0	6	4	95	2	0	101	2	85	4	0	91	202
12:15 PM	2	2	5	0	9	11	0	2	0	13	4	84	4	0	92	1	111	1	0	113	227
12:30 PM	4	1	1	0	6	6	0	2	0	8	0	97	12	0	109	2	98	1	0	101	224
12:45 PM	3	3	3	0	9	5	1	3	0	9	2	91	13	0	106	0	78	1	0	79	203
Hourly Total	9	7	12	0	28	27	1	8	0	36	10	367	31	0	408	5	372	7	0	384	856
1:00 PM	4	0	4	0	8	6	0	0	0	6	5	101	6	0	112	2	85	1	0	88	214
1:15 PM	3	0	3	0	6	11	2	2	0	15	2	100	9	0	111	1	68	3	0	72	204
1:30 PM	3	3	5	0	11	8	2	1	0	11	5	95	11	0	111	1	73	3	0	77	210
1:45 PM	2	0	0	0	2	14	0	1	0	15	3	115	18	0	136	1	80	2	0	83	236
Hourly Total	12	3	12	0	27	39	4	4	0	47	15	411	44	0	470	5	306	9	0	320	864
Grand Total	71	44	114	2	229	305	39	46	0	390	89	2922	274	0	3285	37	2873	65	2	2975	6879
Approach %	31.0	19.2	49.8	-	-	78.2	10.0	11.8	-	-	2.7	88.9	8.3	-	-	1.2	96.6	2.2	-	-	-
Total %	1.0	0.6	1.7	-	3.3	4.4	0.6	0.7	-	5.7	1.3	42.5	4.0	-	47.8	0.5	41.8	0.9	-	43.2	-
Lights	68	43	106	-	217	296	36	45	-	377	86	2886	272	-	3244	35	2838	62	-	2935	6773
% Lights	95.8	97.7	93.0	-	94.8	97.0	92.3	97.8	-	96.7	96.6	98.8	99.3	-	98.8	94.6	98.8	95.4	-	98.7	98.5
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	2	-	-	-	-	0	-	-	-	-	0	-	-	-	-	2	-	-
% All Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.0	-	-
Trucks	3	1	8	-	12	9	3	1	-	13	3	36	2	-	41	2	35	3	-	40	106
% Trucks	4.2	2.3	7.0	-	5.2	3.0	7.7	2.2	-	3.3	3.4	1.2	0.7	-	1.2	5.4	1.2	4.6	-	1.3	1.5

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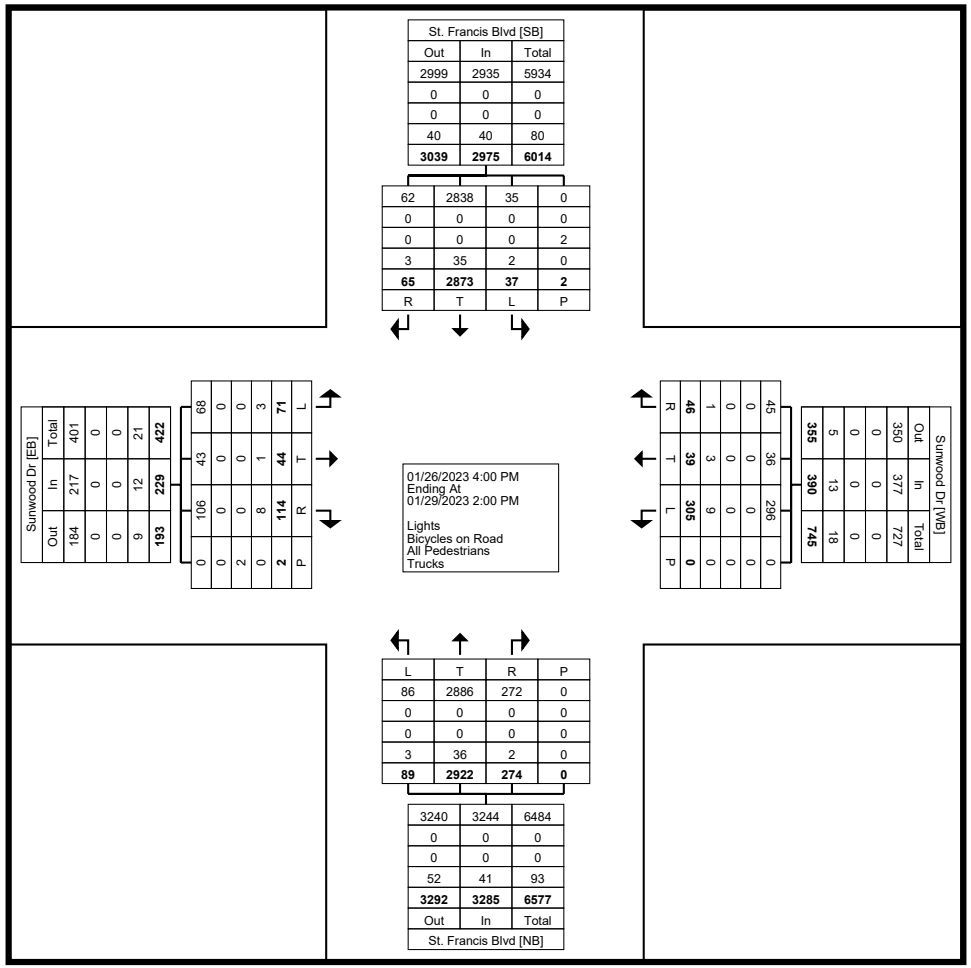
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

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Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

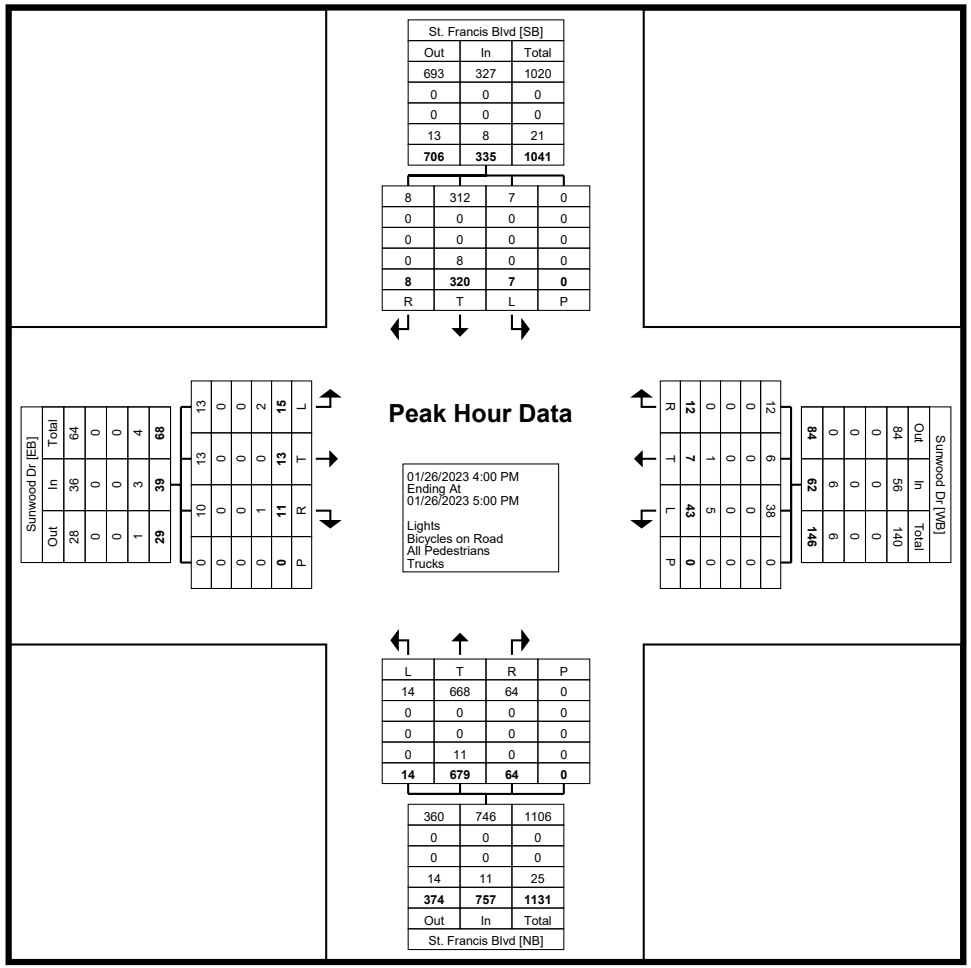
Turning Movement Peak Hour Data (4:00 PM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	7	5	3	0	15	6	2	3	0	11	5	184	19	0	208	1	77	1	0	79	313
4:15 PM	3	1	1	0	5	14	2	4	0	20	1	181	24	0	206	3	86	1	0	90	321
4:30 PM	1	2	4	0	7	11	2	1	0	14	4	145	13	0	162	2	81	4	0	87	270
4:45 PM	4	5	3	0	12	12	1	4	0	17	4	169	8	0	181	1	76	2	0	79	289
Total	15	13	11	0	39	43	7	12	0	62	14	679	64	0	757	7	320	8	0	335	1193
Approach %	38.5	33.3	28.2	-	-	69.4	11.3	19.4	-	-	1.8	89.7	8.5	-	-	2.1	95.5	2.4	-	-	-
Total %	1.3	1.1	0.9	-	3.3	3.6	0.6	1.0	-	5.2	1.2	56.9	5.4	-	63.5	0.6	26.8	0.7	-	28.1	-
PHF	0.536	0.650	0.688	-	0.650	0.768	0.875	0.750	-	0.775	0.700	0.923	0.667	-	0.910	0.583	0.930	0.500	-	0.931	0.929
Lights	13	13	10	-	36	38	6	12	-	56	14	668	64	-	746	7	312	8	-	327	1165
% Lights	86.7	100.0	90.9	-	92.3	88.4	85.7	100.0	-	90.3	100.0	98.4	100.0	-	98.5	100.0	97.5	100.0	-	97.6	97.7
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	2	0	1	-	3	5	1	0	-	6	0	11	0	-	11	0	8	0	-	8	28
% Trucks	13.3	0.0	9.1	-	7.7	11.6	14.3	0.0	-	9.7	0.0	1.6	0.0	-	1.5	0.0	2.5	0.0	-	2.4	2.3

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:00 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (7:30 AM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
7:30 AM	1	0	3	0	4	8	3	2	0	13	1	43	10	0	54	1	104	0	0	105	176
7:45 AM	0	2	6	0	8	9	4	1	0	14	2	41	3	0	46	1	112	3	0	116	184
8:00 AM	1	1	7	0	9	13	2	1	0	16	1	46	8	0	55	1	102	3	0	106	186
8:15 AM	1	0	6	0	7	12	0	3	0	15	1	52	3	0	56	0	102	2	0	104	182
Total	3	3	22	0	28	42	9	7	0	58	5	182	24	0	211	3	420	8	0	431	728
Approach %	10.7	10.7	78.6	-	-	72.4	15.5	12.1	-	-	2.4	86.3	11.4	-	-	0.7	97.4	1.9	-	-	-
Total %	0.4	0.4	3.0	-	3.8	5.8	1.2	1.0	-	8.0	0.7	25.0	3.3	-	29.0	0.4	57.7	1.1	-	59.2	-
PHF	0.750	0.375	0.786	-	0.778	0.808	0.563	0.583	-	0.906	0.625	0.875	0.600	-	0.942	0.750	0.938	0.667	-	0.929	0.978
Lights	3	3	16	-	22	41	8	6	-	55	3	173	23	-	199	3	410	5	-	418	694
% Lights	100.0	100.0	72.7	-	78.6	97.6	88.9	85.7	-	94.8	60.0	95.1	95.8	-	94.3	100.0	97.6	62.5	-	97.0	95.3
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	6	-	6	1	1	1	-	3	2	9	1	-	12	0	10	3	-	13	34
% Trucks	0.0	0.0	27.3	-	21.4	2.4	11.1	14.3	-	5.2	40.0	4.9	4.2	-	5.7	0.0	2.4	37.5	-	3.0	4.7

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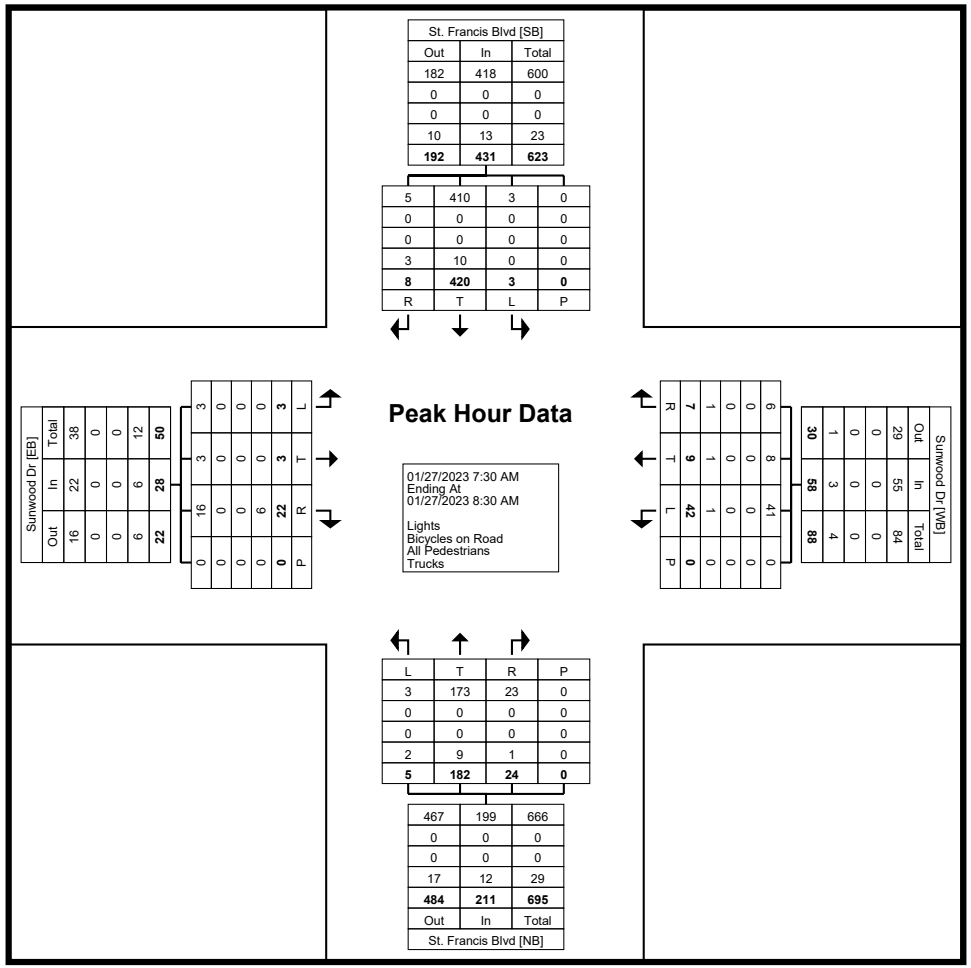
Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:30 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (11:00 AM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	2	0	4	0	6	6	1	0	0	7	2	62	5	0	69	0	73	0	0	73	155
11:15 AM	0	1	3	0	4	8	0	0	0	8	1	70	3	0	74	1	78	3	0	82	168
11:30 AM	1	1	3	0	5	14	1	2	0	17	2	71	10	0	83	1	114	3	0	118	223
11:45 AM	1	2	3	0	6	5	0	0	0	5	2	82	6	0	90	2	94	3	0	99	200
Total	4	4	13	0	21	33	2	2	0	37	7	285	24	0	316	4	359	9	0	372	746
Approach %	19.0	19.0	61.9	-	-	89.2	5.4	5.4	-	-	2.2	90.2	7.6	-	-	1.1	96.5	2.4	-	-	-
Total %	0.5	0.5	1.7	-	2.8	4.4	0.3	0.3	-	5.0	0.9	38.2	3.2	-	42.4	0.5	48.1	1.2	-	49.9	-
PHF	0.500	0.500	0.813	-	0.875	0.589	0.500	0.250	-	0.544	0.875	0.869	0.600	-	0.878	0.500	0.787	0.750	-	0.788	0.836
Lights	4	4	13	-	21	33	2	2	-	37	7	285	24	-	316	4	359	9	-	372	746
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0

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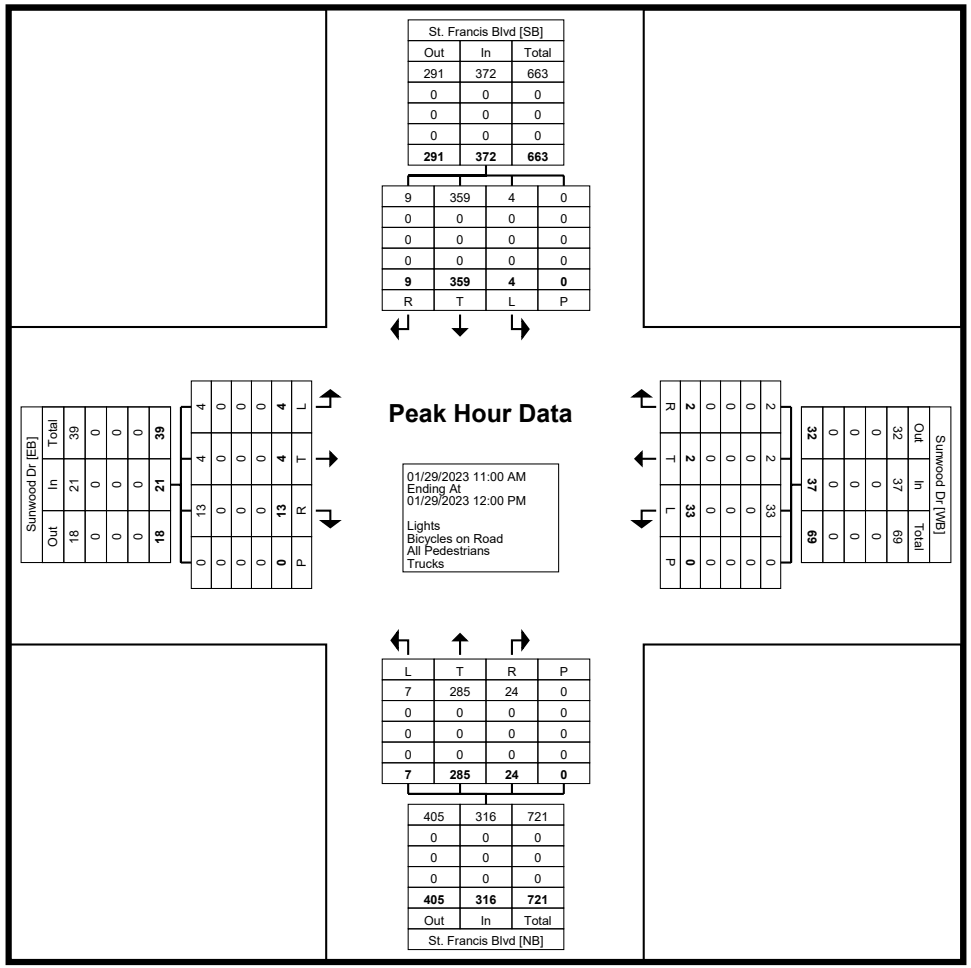
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (11:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (12:15 PM)

Start Time	Sunwood Dr Eastbound					Sunwood Dr Westbound					St. Francis Blvd Northbound					St. Francis Blvd Southbound					
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
12:15 PM	2	2	5	0	9	11	0	2	0	13	4	84	4	0	92	1	111	1	0	113	227
12:30 PM	4	1	1	0	6	6	0	2	0	8	0	97	12	0	109	2	98	1	0	101	224
12:45 PM	3	3	3	0	9	5	1	3	0	9	2	91	13	0	106	0	78	1	0	79	203
1:00 PM	4	0	4	0	8	6	0	0	0	6	5	101	6	0	112	2	85	1	0	88	214
Total	13	6	13	0	32	28	1	7	0	36	11	373	35	0	419	5	372	4	0	381	868
Approach %	40.6	18.8	40.6	-	-	77.8	2.8	19.4	-	-	2.6	89.0	8.4	-	-	1.3	97.6	1.0	-	-	-
Total %	1.5	0.7	1.5	-	3.7	3.2	0.1	0.8	-	4.1	1.3	43.0	4.0	-	48.3	0.6	42.9	0.5	-	43.9	-
PHF	0.813	0.500	0.650	-	0.889	0.636	0.250	0.583	-	0.692	0.550	0.923	0.673	-	0.935	0.625	0.838	1.000	-	0.843	0.956
Lights	13	6	13	-	32	28	1	7	-	36	11	373	35	-	419	5	371	4	-	380	867
% Lights	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	100.0	100.0	99.7	100.0	-	99.7	99.9
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trucks	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0	1	0	-	1	1
% Trucks	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.3	0.0	-	0.3	0.1

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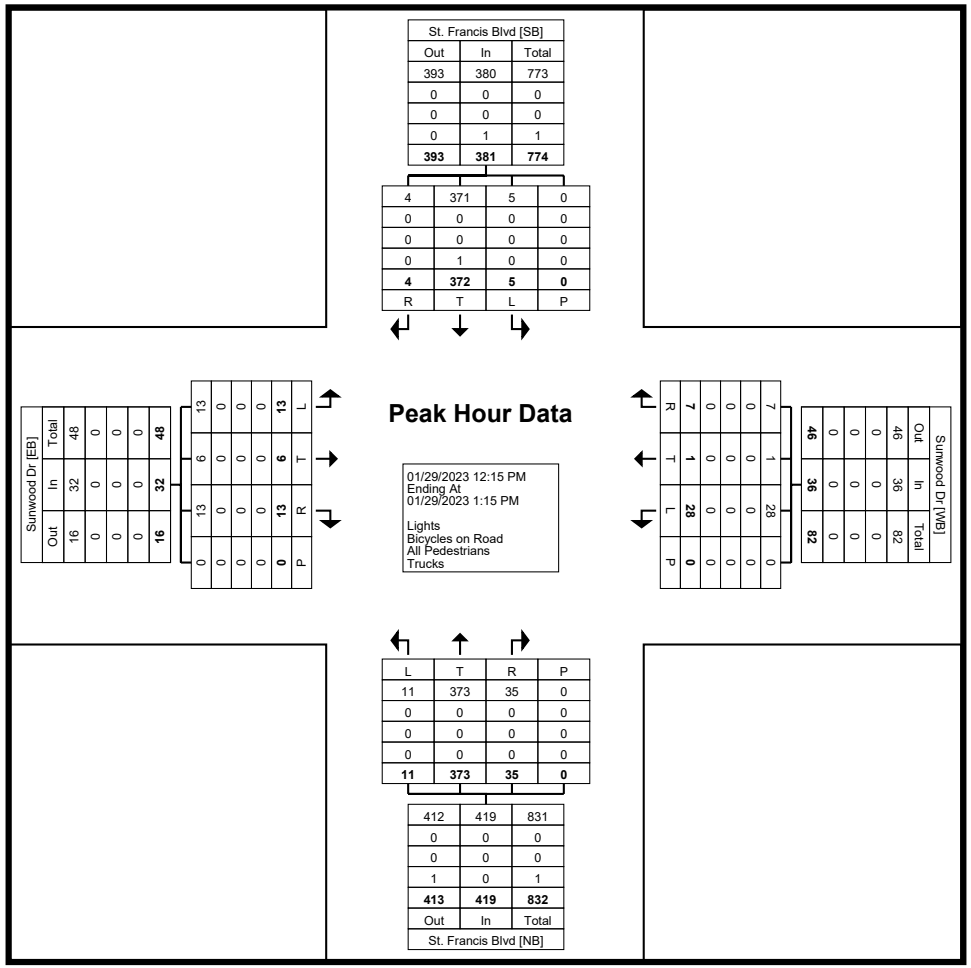
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: St Francis Blvd & Sunwood Dr
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (12:15 PM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

Turning Movement Data

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
7:00 AM	3	1	0	4	0	5	0	5	6	4	0	10	19
7:15 AM	1	3	0	4	1	8	0	9	7	2	0	9	22
7:30 AM	2	2	0	4	0	10	2	10	4	4	0	8	22
7:45 AM	1	1	0	2	0	9	0	9	1	2	0	3	14
Hourly Total	7	7	0	14	1	32	2	33	18	12	0	30	77
8:00 AM	3	0	0	3	1	2	0	3	0	4	0	4	10
8:15 AM	2	1	0	3	0	3	0	3	0	2	0	2	8
8:30 AM	6	0	0	6	0	3	0	3	0	1	0	1	10
8:45 AM	2	2	0	4	0	6	0	6	2	4	4	6	16
Hourly Total	13	3	0	16	1	14	0	15	2	11	4	13	44
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	10	7	0	17	5	4	0	9	1	4	1	5	31
4:15 PM	3	4	0	7	0	3	0	3	2	2	12	4	14
4:30 PM	5	3	0	8	4	6	0	10	0	2	1	2	20
4:45 PM	13	5	1	18	5	2	0	7	1	0	0	1	26
Hourly Total	31	19	1	50	14	15	0	29	4	8	14	12	91
5:00 PM	8	4	1	12	5	4	0	9	0	1	0	1	22
5:15 PM	10	3	0	13	2	4	0	6	1	2	0	3	22
5:30 PM	9	2	0	11	2	5	0	7	1	2	1	3	21
5:45 PM	2	2	0	4	1	3	0	4	1	1	0	2	10
Hourly Total	29	11	1	40	10	16	0	26	3	6	1	9	75
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	3	1	0	4	3	1	0	4	1	1	1	2	10
10:15 AM	6	1	0	7	1	2	0	3	2	7	0	9	19
10:30 AM	1	0	0	1	2	1	0	3	1	3	0	4	8
10:45 AM	1	0	0	1	2	6	0	8	1	2	0	3	12
Hourly Total	11	2	0	13	8	10	0	18	5	13	1	18	49
11:00 AM	4	1	0	5	1	1	0	2	0	1	0	1	8
11:15 AM	1	4	0	5	2	3	0	5	0	2	0	2	12
11:30 AM	1	3	0	4	3	3	0	6	0	3	0	3	13
11:45 AM	3	0	0	3	4	1	0	5	1	3	0	4	12
Hourly Total	9	8	0	17	10	8	0	18	1	9	0	10	45

12:00 PM	2	1	0	3	2	6	0	8	2	3	0	5	16
12:15 PM	4	1	0	5	1	3	0	4	1	3	0	4	13
12:30 PM	5	1	0	6	0	1	0	1	1	1	0	2	9
12:45 PM	5	5	0	10	1	2	0	3	3	1	0	4	17
Hourly Total	16	8	0	24	4	12	0	16	7	8	0	15	55
1:00 PM	3	0	0	3	2	1	0	3	0	2	0	2	8
1:15 PM	4	3	0	7	2	3	0	5	2	1	0	3	15
1:30 PM	5	2	0	7	5	5	0	10	2	3	1	5	22
1:45 PM	2	3	0	5	0	3	0	3	2	0	0	2	10
Hourly Total	14	8	0	22	9	12	0	21	6	6	1	12	55
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	130	66	2	196	57	119	2	176	46	73	21	119	491
Approach %	66.3	33.7	-	-	32.4	67.6	-	-	38.7	61.3	-	-	-
Total %	26.5	13.4	-	39.9	11.6	24.2	-	35.8	9.4	14.9	-	24.2	-
Lights	124	64	-	188	56	113	-	169	45	71	-	116	473
% Lights	95.4	97.0	-	95.9	98.2	95.0	-	96.0	97.8	97.3	-	97.5	96.3
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	2	-	-	-	2	-	-	-	21	-	-
% All Pedestrians	-	-	100.0	-	-	-	100.0	-	-	-	100.0	-	-
Trucks	6	2	-	8	1	6	-	7	1	2	-	3	18
% Trucks	4.6	3.0	-	4.1	1.8	5.0	-	4.0	2.2	2.7	-	2.5	3.7

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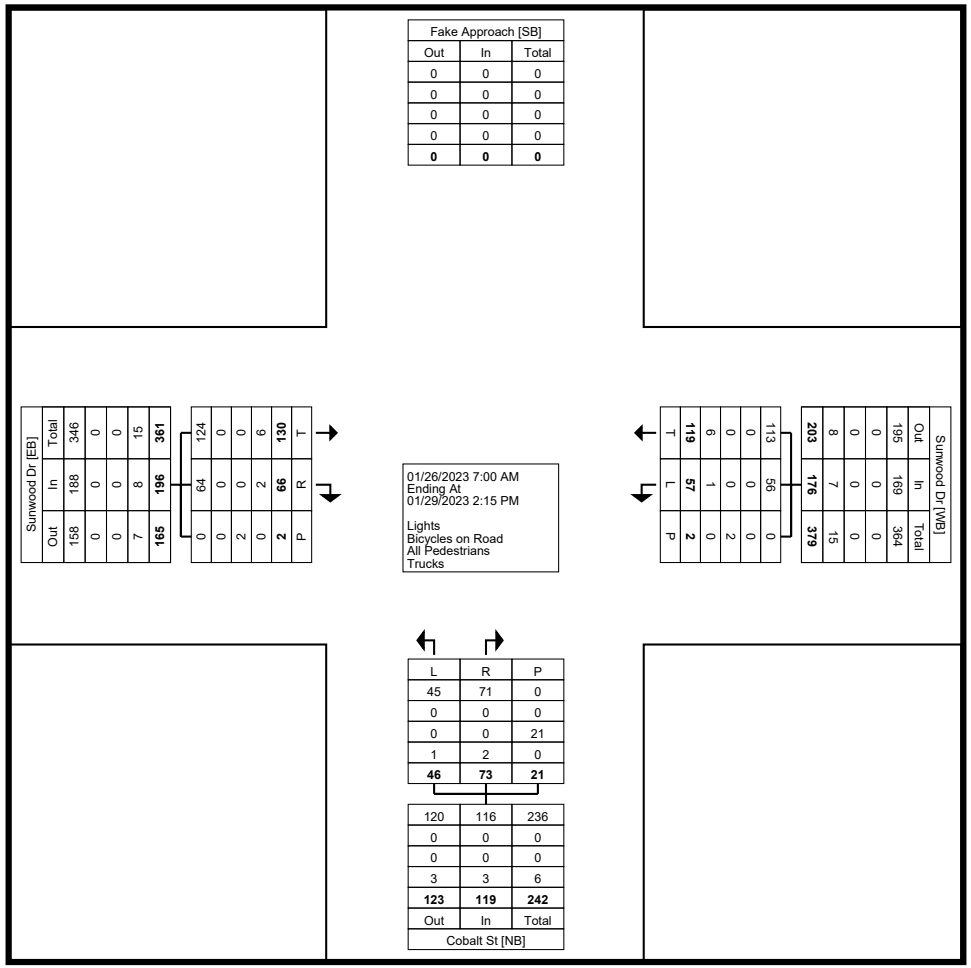
Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Data Plot

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

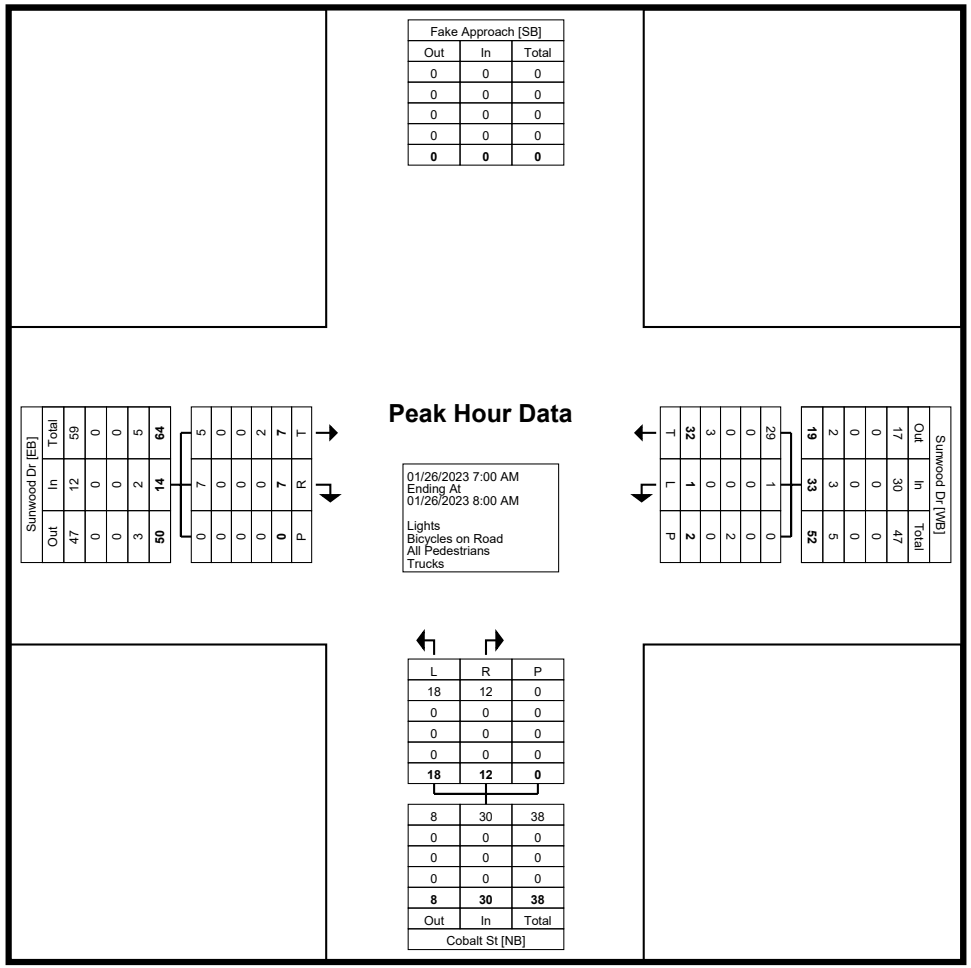
Turning Movement Peak Hour Data (7:00 AM)

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
7:00 AM	3	1	0	4	0	5	0	5	6	4	0	10	19
7:15 AM	1	3	0	4	1	8	0	9	7	2	0	9	22
7:30 AM	2	2	0	4	0	10	2	10	4	4	0	8	22
7:45 AM	1	1	0	2	0	9	0	9	1	2	0	3	14
Total	7	7	0	14	1	32	2	33	18	12	0	30	77
Approach %	50.0	50.0	-	-	3.0	97.0	-	-	60.0	40.0	-	-	-
Total %	9.1	9.1	-	18.2	1.3	41.6	-	42.9	23.4	15.6	-	39.0	-
PHF	0.583	0.583	-	0.875	0.250	0.800	-	0.825	0.643	0.750	-	0.750	0.875
Lights	5	7	-	12	1	29	-	30	18	12	-	30	72
% Lights	71.4	100.0	-	85.7	100.0	90.6	-	90.9	100.0	100.0	-	100.0	93.5
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	2	-	-	-	0	-	-
% All Pedestrians	-	-	-	-	-	-	100.0	-	-	-	-	-	-
Trucks	2	0	-	2	0	3	-	3	0	0	-	0	5
% Trucks	28.6	0.0	-	14.3	0.0	9.4	-	9.1	0.0	0.0	-	0.0	6.5

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (7:00 AM)

Kimley-Horn and Associates, Inc.
4201 Winfield Road Suite 600

Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
4:00 PM	10	7	0	17	5	4	0	9	1	4	1	5	31
4:15 PM	3	4	0	7	0	3	0	3	2	2	12	4	14
4:30 PM	5	3	0	8	4	6	0	10	0	2	1	2	20
4:45 PM	13	5	1	18	5	2	0	7	1	0	0	1	26
Total	31	19	1	50	14	15	0	29	4	8	14	12	91
Approach %	62.0	38.0	-	-	48.3	51.7	-	-	33.3	66.7	-	-	-
Total %	34.1	20.9	-	54.9	15.4	16.5	-	31.9	4.4	8.8	-	13.2	-
PHF	0.596	0.679	-	0.694	0.700	0.625	-	0.725	0.500	0.500	-	0.600	0.734
Lights	30	17	-	47	14	14	-	28	4	6	-	10	85
% Lights	96.8	89.5	-	94.0	100.0	93.3	-	96.6	100.0	75.0	-	83.3	93.4
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	1	-	-	-	0	-	-	-	14	-	-
% All Pedestrians	-	-	100.0	-	-	-	-	-	-	-	100.0	-	-
Trucks	1	2	-	3	0	1	-	1	0	2	-	2	6
% Trucks	3.2	10.5	-	6.0	0.0	6.7	-	3.4	0.0	25.0	-	16.7	6.6

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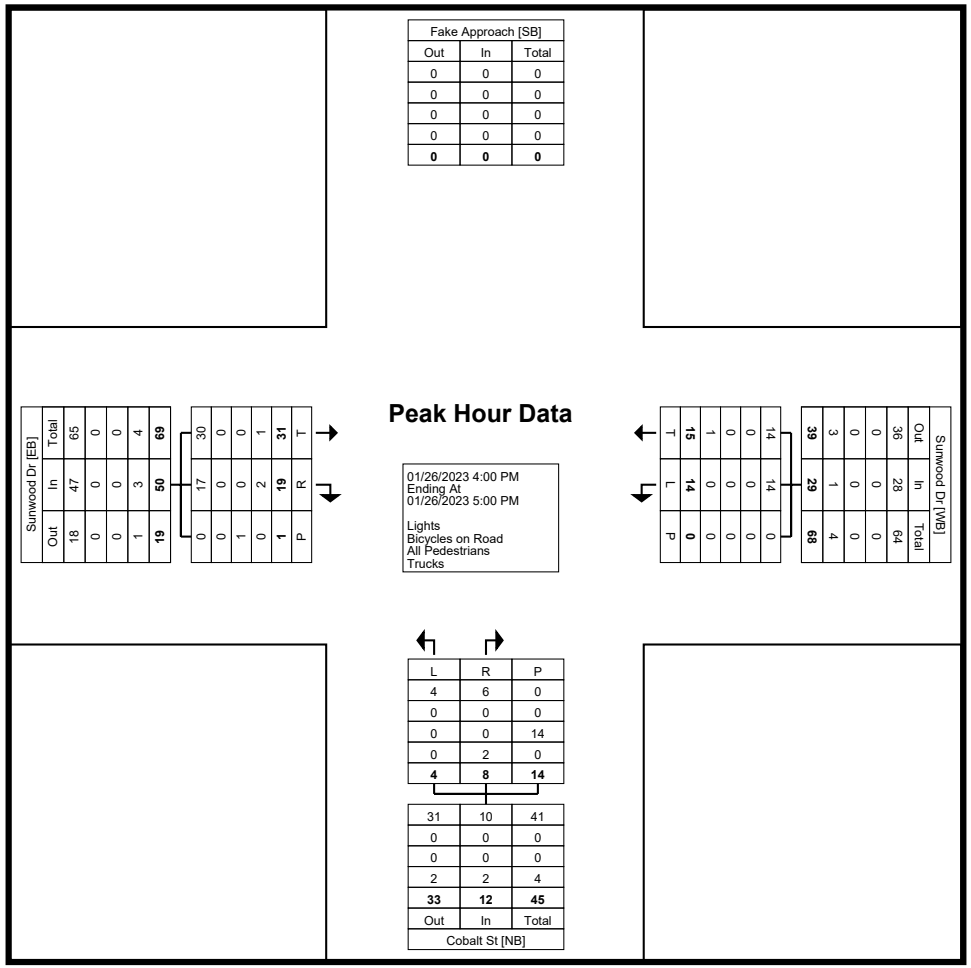
Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (4:00 PM)

Kimley-Horn and Associates, Inc.
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Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (10:00 AM)

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
10:00 AM	3	1	0	4	3	1	0	4	1	1	1	2	10
10:15 AM	6	1	0	7	1	2	0	3	2	7	0	9	19
10:30 AM	1	0	0	1	2	1	0	3	1	3	0	4	8
10:45 AM	1	0	0	1	2	6	0	8	1	2	0	3	12
Total	11	2	0	13	8	10	0	18	5	13	1	18	49
Approach %	84.6	15.4	-	-	44.4	55.6	-	-	27.8	72.2	-	-	-
Total %	22.4	4.1	-	26.5	16.3	20.4	-	36.7	10.2	26.5	-	36.7	-
PHF	0.458	0.500	-	0.464	0.667	0.417	-	0.563	0.625	0.464	-	0.500	0.645
Lights	11	2	-	13	8	10	-	18	5	13	-	18	49
% Lights	100.0	100.0	-	100.0	100.0	100.0	-	100.0	100.0	100.0	-	100.0	100.0
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	1	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	100.0	-	-
Trucks	0	0	-	0	0	0	-	0	0	0	-	0	0
% Trucks	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0

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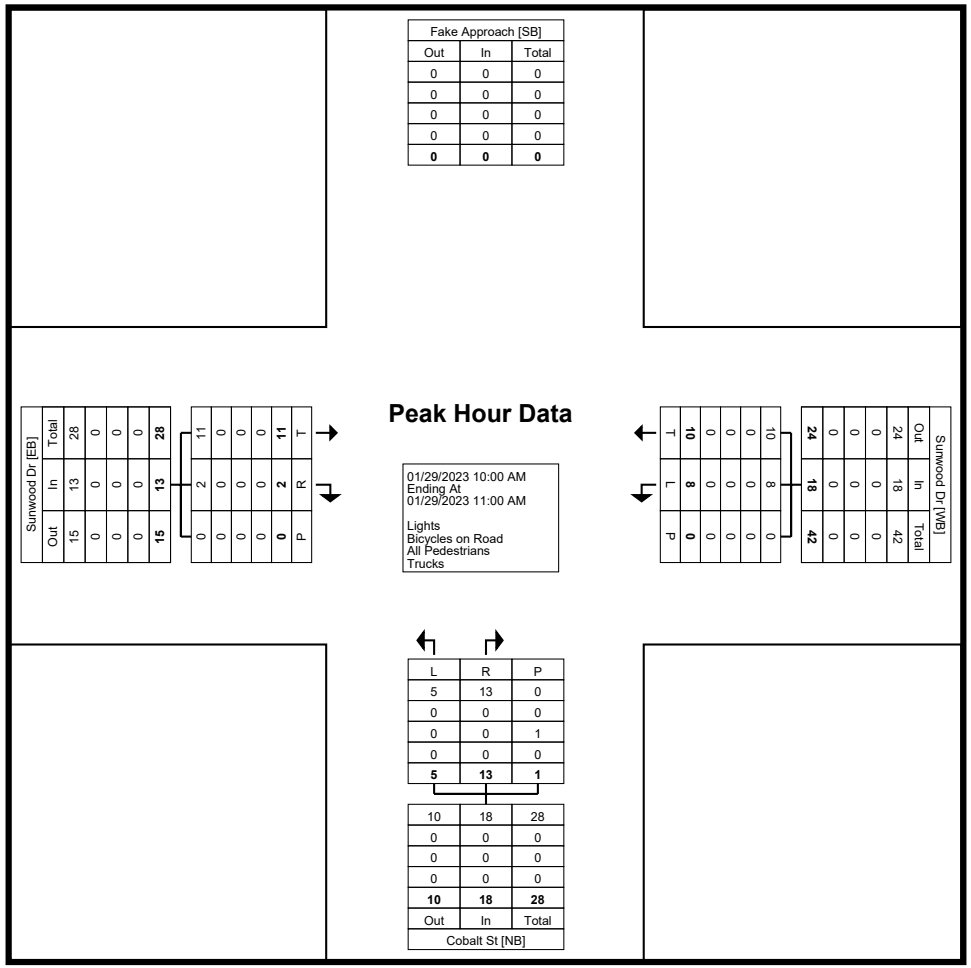
Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (10:00 AM)

Kimley-Horn and Associates, Inc.
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Warrenville, Illinois, United States 60555
(630) 487-5550 ethan.scowcroft@kimley-horn.com

Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023

Turning Movement Peak Hour Data (12:45 PM)

Start Time	Sunwood Dr Eastbound				Sunwood Dr Westbound				Cobalt St Northbound				
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Int. Total
12:45 PM	5	5	0	10	1	2	0	3	3	1	0	4	17
1:00 PM	3	0	0	3	2	1	0	3	0	2	0	2	8
1:15 PM	4	3	0	7	2	3	0	5	2	1	0	3	15
1:30 PM	5	2	0	7	5	5	0	10	2	3	1	5	22
Total	17	10	0	27	10	11	0	21	7	7	1	14	62
Approach %	63.0	37.0	-	-	47.6	52.4	-	-	50.0	50.0	-	-	-
Total %	27.4	16.1	-	43.5	16.1	17.7	-	33.9	11.3	11.3	-	22.6	-
PHF	0.850	0.500	-	0.675	0.500	0.550	-	0.525	0.583	0.583	-	0.700	0.705
Lights	16	10	-	26	9	11	-	20	6	7	-	13	59
% Lights	94.1	100.0	-	96.3	90.0	100.0	-	95.2	85.7	100.0	-	92.9	95.2
Bicycles on Road	0	0	-	0	0	0	-	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0
All Pedestrians	-	-	0	-	-	-	0	-	-	-	1	-	-
% All Pedestrians	-	-	-	-	-	-	-	-	-	-	100.0	-	-
Trucks	1	0	-	1	1	0	-	1	1	0	-	1	3
% Trucks	5.9	0.0	-	3.7	10.0	0.0	-	4.8	14.3	0.0	-	7.1	4.8

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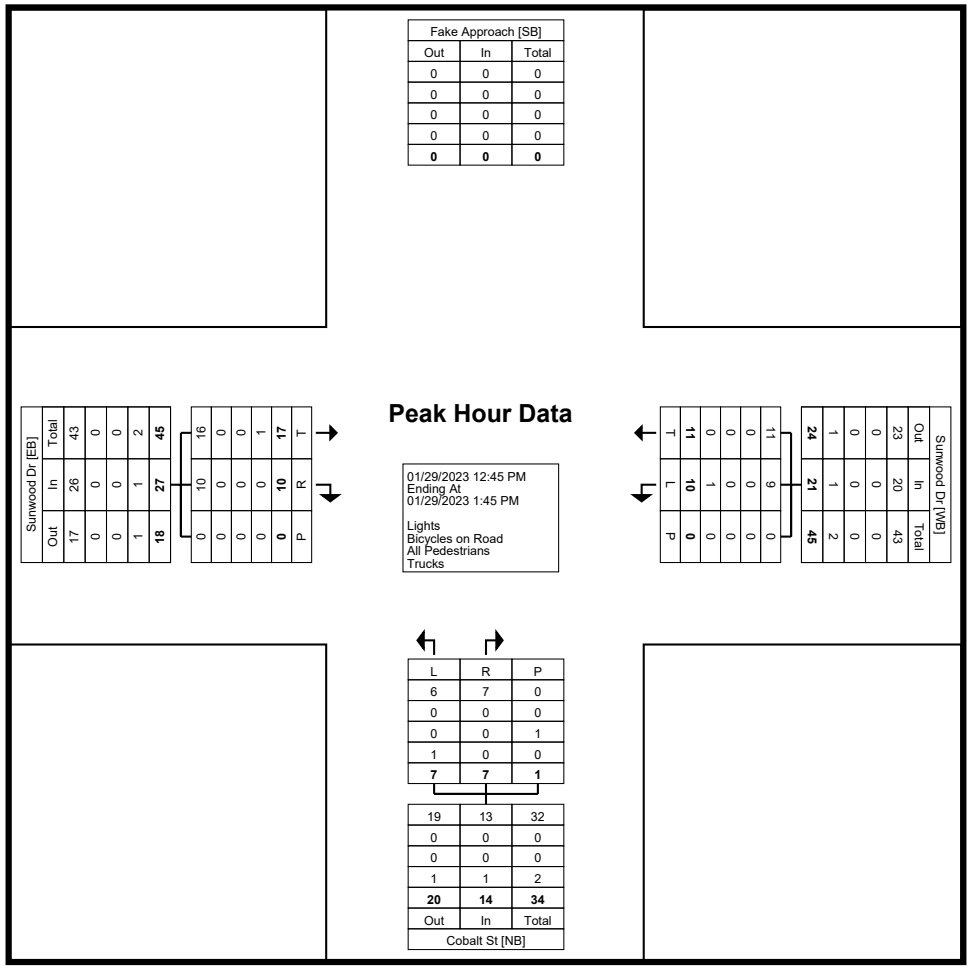
Count Name: Sunwood Dr & Cobalt St
Site Code:
Start Date: 01/26/2023



Turning Movement Peak Hour Data Plot (12:45 PM)

C. Site Layout Exhibit

GROUND LEVEL

OPTION D2-A

BKV GROUP

D. SimTraffic Analysis Results

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.5	0.7
Total Del/Veh (s)	13.7	11.0	6.9	13.9	11.1	1.5	2.0	0.8	0.2	1.3	0.1	2.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.2	0.1
Total Del/Veh (s)	2.1	2.4	1.7	0.6	4.5	2.3	1.9

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	1.8	0.0	0.0	4.1	0.9	0.1	0.0	0.0	0.0	3.1	0.5	3.9
Total Del/Veh (s)	44.8	45.0	6.3	40.1	41.8	5.8	51.8	5.8	3.5	63.6	3.5	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	7.2

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	5.6	5.1	10.0	2.2	0.4	0.1	1.3	0.4	1.4

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	2.3	0.4	0.7	0.6

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	10.1	6.3	6.1	0.7	0.2	0.7	1.3	0.2	1.7

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.2	0.8	11.3	1.3	15.2	5.1	2.7

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.3	0.4	3.7	0.6	3.0	0.0	0.0	0.2
Total Del/Veh (s)	23.2	34.5	3.5	42.1	32.8	6.6	46.3	6.6	1.4	45.7	18.5	6.8

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	16.8

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	23.2

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	48	62	74	21	22
Average Queue (ft)	12	19	30	1	4
95th Queue (ft)	32	44	68	7	17
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	46
Average Queue (ft)	15
95th Queue (ft)	40
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	42	86	118	26	98	26	46	122	26
Average Queue (ft)	6	10	31	8	4	18	5	6	42	5
95th Queue (ft)	23	29	61	46	17	57	22	25	104	21
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0	0						
Queuing Penalty (veh)			0	0						

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	47	25	50
Average Queue (ft)	15	5	3
95th Queue (ft)	37	20	19
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	27
Average Queue (ft)	3
95th Queue (ft)	17
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	NB
Directions Served	LT	R	L
Maximum Queue (ft)	24	65	43
Average Queue (ft)	3	25	6
95th Queue (ft)	17	52	24
Link Distance (ft)	278	278	
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			290
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 7:

Movement	EB	EB	WB	NB	NB
Directions Served	T	R	L	L	R
Maximum Queue (ft)	22	22	90	53	46
Average Queue (ft)	1	1	27	23	21
95th Queue (ft)	7	8	68	54	41
Link Distance (ft)	659			345	345
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		300	120		
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	24	43	146	121	189	128	99	23	26	359	60
Average Queue (ft)	7	20	72	19	83	31	34	2	8	153	4
95th Queue (ft)	23	47	129	58	149	87	83	14	24	273	21
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			9	0						2	
Queuing Penalty (veh)			3	0						1	

Network Summary

Network wide Queuing Penalty: 4

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.1	4.2	0.1	0.1	4.2	0.0	0.0	0.0	0.1	0.3	3.7
Total Del/Veh (s)	21.0	9.0	2.2	28.6	15.8	1.4	1.8	2.8	1.7	1.2	1.1	0.3

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	3.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	3.0	0.4	3.4	1.3	3.6	2.0	2.2

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	4.2	0.1	0.0	0.1	0.0	2.0	0.4	2.8	0.4
Total Del/Veh (s)	49.3	0.2	3.4	59.1	72.1	31.3	13.4	7.7	20.1	2.9	0.0	13.1

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	4.6	0.3	0.5	0.0	0.5	0.1	0.6

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	2.4	0.4	0.4	0.4

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.7	0.0	0.0
Total Del/Veh (s)	40.2	2.8	1.3	0.0	7.9	0.5	1.5

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.2	0.0
Total Del/Veh (s)	1.4	0.3	3.4	1.9	8.4	3.6	2.5

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.2	0.1	0.1	2.7	1.7	3.5	0.0	0.0	0.0
Total Del/Veh (s)	58.1	26.8	1.6	58.3	55.6	39.3	40.2	9.6	2.2	34.3	13.7	12.9

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	1.2
Total Del/Veh (s)	20.4

Total Network Performance

Denied Del/Veh (s)	1.4
Total Del/Veh (s)	24.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB	SB
Directions Served	LT	R	LT	R	LT	LT	R
Maximum Queue (ft)	25	21	92	25	47	21	13
Average Queue (ft)	19	11	50	5	19	4	3
95th Queue (ft)	35	26	88	21	57	18	11
Link Distance (ft)	414		1298		784	478	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		270		270			270
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	27
Average Queue (ft)	5
95th Queue (ft)	23
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T
Maximum Queue (ft)	24	20	66	37	51	306	30	22	52
Average Queue (ft)	10	5	44	11	10	133	11	8	26
95th Queue (ft)	29	18	77	35	44	345	35	25	63
Link Distance (ft)		1064		520		3458			761
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100		100		240		240	240	
Storage Blk Time (%)						5			
Queuing Penalty (veh)						4			

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB
Directions Served	LTR
Maximum Queue (ft)	23
Average Queue (ft)	9
95th Queue (ft)	27
Link Distance (ft)	303
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	28
Average Queue (ft)	11
95th Queue (ft)	34
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	SB
Directions Served	LT	R	L
Maximum Queue (ft)	24	40	50
Average Queue (ft)	5	15	26
95th Queue (ft)	21	39	53
Link Distance (ft)	278	278	
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			300
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	31	72	75
Average Queue (ft)	12	45	41
95th Queue (ft)	37	79	73
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	66	62	50	125	185	149	164	24	22	131	17
Average Queue (ft)	28	18	22	84	154	99	115	14	4	78	3
95th Queue (ft)	68	55	48	136	194	161	199	33	19	137	15
Link Distance (ft)		384		244			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)				24							
Queuing Penalty (veh)				13							

Network Summary

Network wide Queuing Penalty: 17

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.3	0.2	4.0	0.1	0.0	2.1	0.0	0.0	0.0	0.2	3.4	0.5
Total Del/Veh (s)	5.2	7.2	2.5	5.5	8.5	1.5	1.4	1.2	0.1	0.8	0.1	1.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.0
Total Del/Veh (s)	1.4	1.6	1.9	1.1	2.1	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	1.4	0.0	0.0	4.1	0.1	0.1	0.0	0.0	0.0	3.2	0.3	3.1
Total Del/Veh (s)	36.6	16.1	5.6	44.1	36.8	5.7	30.1	5.7	3.2	31.5	2.9	0.1

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	7.1

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	4.3	2.5	4.2	0.4	0.6	0.1	0.4	0.6	0.6

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.2	0.1	0.0	0.0	0.0
Total Del/Veh (s)	6.3	2.6	0.5	0.3	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	6.1	2.8	4.8	5.7	2.5	1.7	0.7	0.1	3.2	0.6	0.1	0.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.0	0.1	4.4	1.4	8.4	2.6	1.5

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.0	0.1	0.3	3.3	0.7	3.1	0.0	0.0	0.0
Total Del/Veh (s)	64.2	41.1	2.0	51.4	37.6	21.7	46.7	5.2	1.4	68.5	14.6	3.3

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	17.3

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	23.3

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	49	60	29	25	22
Average Queue (ft)	12	15	11	2	3
95th Queue (ft)	34	38	34	12	15
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	27
Average Queue (ft)	6
95th Queue (ft)	25
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T
Maximum Queue (ft)	24	20	110	18	50	72	27	22	73
Average Queue (ft)	2	8	36	2	7	17	3	2	29
95th Queue (ft)	12	23	82	11	29	53	15	12	66
Link Distance (ft)		1064		520		3458			761
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100		100		240		240	240	
Storage Blk Time (%)			2						
Queuing Penalty (veh)			0						

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB
Directions Served	LTR	LTR
Maximum Queue (ft)	25	25
Average Queue (ft)	8	3
95th Queue (ft)	26	17
Link Distance (ft)	303	354
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	51
Average Queue (ft)	17
95th Queue (ft)	40
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	44	20	24	23
Average Queue (ft)	2	13	2	1	1
95th Queue (ft)	11	34	12	8	8
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	53	49	46
Average Queue (ft)	5	14	18
95th Queue (ft)	29	40	40
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	44	46	108	56	185	146	152	42	69	307	16
Average Queue (ft)	11	21	38	13	77	17	52	5	23	109	1
95th Queue (ft)	35	45	83	37	154	81	121	22	60	203	8
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			2							1	
Queuing Penalty (veh)			1							0	

Network Summary

Network wide Queuing Penalty: 1

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.2	4.1	0.1	0.0	0.7	0.0	0.0	0.0	0.6	0.5	3.2
Total Del/Veh (s)	8.5	11.6	6.2	11.3	11.8	2.6	4.4	0.8	0.2	0.7	1.3	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	2.4

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0		0.0	0.1	0.1	0.1
Total Del/Veh (s)	2.3	1.5		1.0	4.4	2.2	2.3

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.8	0.0	0.0	4.1	0.2	0.3	0.0	0.0	0.0	3.3	0.5	3.6
Total Del/Veh (s)	46.6	50.1	7.6	44.2	48.4	5.4	39.1	5.4	3.1	50.9	4.3	1.1

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	8.7

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.2	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0
Total Del/Veh (s)	11.8	5.1	9.8	3.2	0.6	0.0	1.3	0.4	1.5

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	1.4	0.3	0.7	0.6

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0
Total Del/Veh (s)	8.9	7.6	6.0	0.6	0.2	1.8	1.3	0.2	1.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.2	0.8	8.8	1.2	14.1	6.0	2.5

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.3	0.4	3.6	0.6	3.5	0.4	0.0	0.2
Total Del/Veh (s)	39.0	37.0	3.6	48.3	34.9	12.1	47.3	6.0	1.6	43.9	18.1	6.4

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	17.1

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	23.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	R
Maximum Queue (ft)	47	79	73	25	48	3
Average Queue (ft)	12	23	30	4	4	0
95th Queue (ft)	34	53	57	19	24	2
Link Distance (ft)	414		1298		784	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		270
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	52
Average Queue (ft)	19
95th Queue (ft)	44
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	54	99	30	26	108	37	29	146	20
Average Queue (ft)	3	11	40	6	5	19	4	5	48	1
95th Queue (ft)	14	38	82	21	20	63	21	21	115	9
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)		0	1							
Queuing Penalty (veh)		0	0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	55	28	59
Average Queue (ft)	18	9	3
95th Queue (ft)	40	28	25
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	6
Average Queue (ft)	0
95th Queue (ft)	6
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	NB	SB
Directions Served	LT	R	L	L
Maximum Queue (ft)	19	86	48	14
Average Queue (ft)	2	26	5	0
95th Queue (ft)	14	51	26	5
Link Distance (ft)	278	278		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			290	300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	EB	WB	NB	NB
Directions Served	R	L	L	R
Maximum Queue (ft)	9	81	75	54
Average Queue (ft)	1	25	23	17
95th Queue (ft)	7	62	55	44
Link Distance (ft)			345	345
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	300	120		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	32	77	160	134	172	134	106	27	67	339	37
Average Queue (ft)	8	21	73	19	76	29	28	4	15	147	6
95th Queue (ft)	27	55	134	69	150	87	73	19	46	279	23
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			15	0						3	
Queuing Penalty (veh)			5	1						1	

Network Summary

Network wide Queuing Penalty: 7

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.1	4.1	0.1	0.1	1.8	0.0	0.0	0.0	0.3	0.4	3.6
Total Del/Veh (s)	10.3	9.8	2.6	15.0	8.2	3.4	2.9	3.2	0.6	2.5	1.1	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.5
Total Del/Veh (s)	2.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.3	2.1	2.7	1.9	4.5	2.1	1.7

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.2	0.3	0.2	0.0	0.0	0.0	3.3	0.4	4.2
Total Del/Veh (s)	53.0	44.0	10.0	55.9	75.6	14.5	79.0	13.0	8.1	84.1	4.5	0.0

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.3
Total Del/Veh (s)	14.2

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.0
Total Del/Veh (s)	6.7	2.8	11.9	1.4	1.3	0.2	1.9	0.6	0.0	1.0

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	4.3	5.8	0.7	0.4	0.6

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.0	0.0	0.5	0.0	0.0	0.0
Total Del/Veh (s)	9.5	3.9	8.1	1.7	1.5	0.4	5.0	0.7	0.1	1.6

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.2	0.1	0.0
Total Del/Veh (s)	1.6	0.5	9.4	2.4	12.6	3.8	3.3

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.1	4.1	0.3	0.1	2.9	1.6	3.2	0.0	0.0	0.0
Total Del/Veh (s)	48.0	44.1	2.2	56.9	47.1	25.6	42.1	12.2	1.7	58.2	25.6	7.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	1.2
Total Del/Veh (s)	22.9

Total Network Performance

Denied Del/Veh (s)	1.4
Total Del/Veh (s)	30.5

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	65	54	53	25	70	21
Average Queue (ft)	17	15	21	6	18	3
95th Queue (ft)	42	37	44	22	48	15
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	27
Average Queue (ft)	8
95th Queue (ft)	29
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T
Maximum Queue (ft)	46	82	65	54	52	330	28	27	168
Average Queue (ft)	16	21	27	14	14	110	6	7	46
95th Queue (ft)	42	51	59	38	39	251	23	23	111
Link Distance (ft)		1064		520		3458			761
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100		100		240		240	240	
Storage Blk Time (%)		0				1			
Queuing Penalty (veh)		0				1			

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LT	LT
Maximum Queue (ft)	49	24	50	22
Average Queue (ft)	9	1	6	1
95th Queue (ft)	32	8	27	8
Link Distance (ft)	303	354	585	784
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	28
Average Queue (ft)	3
95th Queue (ft)	17
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	SB
Directions Served	LT	R	LTR	L
Maximum Queue (ft)	24	66	20	49
Average Queue (ft)	4	17	6	15
95th Queue (ft)	18	40	20	42
Link Distance (ft)	278	278	203	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	94	91	54
Average Queue (ft)	18	41	30
95th Queue (ft)	61	76	46
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	R	L	L	T	R	L	T	R
Maximum Queue (ft)	88	105	85	125	8	229	193	445	29	48	376	20
Average Queue (ft)	41	37	45	40	1	152	99	160	6	13	145	1
95th Queue (ft)	79	76	80	92	4	214	177	331	24	37	264	7
Link Distance (ft)		384		244	244			607			3458	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		80			500	500		290	210		210
Storage Blk Time (%)		0	1	4				2			3	
Queuing Penalty (veh)		0	1	2				8			1	

Network Summary

Network wide Queuing Penalty: 13

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	4.2	0.0	0.1	4.2	0.0	0.0	0.0	0.2	3.0	0.4
Total Del/Veh (s)	4.5	7.8	1.6	6.4	6.5	1.4	1.7	1.3	0.5	0.6	0.2	1.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.0
Total Del/Veh (s)	1.3	1.3	2.0	0.9	2.0	1.4

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.1	0.1	0.1	0.0	0.0	0.1	1.5	0.3	2.9
Total Del/Veh (s)	76.4	48.8	4.0	36.0	57.2	3.1	45.6	5.4	2.6	29.3	3.7	0.8

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	7.0

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0	4.2	0.0
Total Del/Veh (s)	2.7	4.2	0.5	0.8	0.1	0.4	0.1	0.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	5.5	3.5	0.6	0.2	0.5

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBT	EBR	WBL	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	9.8	2.5	4.4	1.6	0.9	0.0	2.7	0.4	0.0	0.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.2	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.0	0.2	4.1	1.9	4.6	1.6	1.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.0	0.2	0.3	3.4	0.6	3.7	0.0	0.0	0.0
Total Del/Veh (s)	58.6	32.2	1.7	55.0	43.2	11.1	55.5	7.5	1.4	56.4	15.1	6.0

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.8
Total Del/Veh (s)	20.0

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	24.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	48	44	29	25	22
Average Queue (ft)	12	10	17	1	2
95th Queue (ft)	35	30	39	8	10
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	46
Average Queue (ft)	9
95th Queue (ft)	32
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	37	88	18	52	95	27	23	92	26
Average Queue (ft)	2	7	29	4	9	20	1	1	31	3
95th Queue (ft)	13	24	69	16	32	61	9	8	74	15
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0							
Queuing Penalty (veh)			0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	25	25	23
Average Queue (ft)	8	3	1
95th Queue (ft)	27	18	8
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	29
Average Queue (ft)	12
95th Queue (ft)	35
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	19	20	28	24
Average Queue (ft)	0	12	1	4	1
95th Queue (ft)	0	26	7	19	8
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	31	29	27
Average Queue (ft)	11	11	13
95th Queue (ft)	35	33	34
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	24	65	138	92	165	129	150	24	90	236	22
Average Queue (ft)	4	18	57	19	91	31	61	3	27	91	3
95th Queue (ft)	17	47	116	58	152	98	137	16	63	196	14
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			7	2						0	
Queuing Penalty (veh)			2	1						0	

Network Summary

Network wide Queuing Penalty: 3

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.1	4.1	0.0	0.0	1.3	0.0	0.0	0.0	0.1	0.6	3.0
Total Del/Veh (s)	13.6	12.3	7.6	13.6	15.4	2.1	5.0	1.2	0.2	0.5	1.4	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	2.8

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0		0.0	0.1	0.2	0.1
Total Del/Veh (s)	1.8	1.9		1.1	4.2	2.4	2.2

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.8	0.0	0.0	4.1	0.2	0.4	0.0	0.0	0.0	3.4	0.5	2.9
Total Del/Veh (s)	44.9	38.0	7.3	48.9	39.6	5.2	59.5	5.7	3.2	53.5	4.2	0.9

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	8.2

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.2	0.1	0.1	0.0	0.0	0.2	0.0	0.4	0.0
Total Del/Veh (s)	11.6	7.8	10.6	4.2	0.6	0.0	1.5	0.4	1.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0
Total Del/Veh (s)	3.1	0.4	0.7	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.1	0.0	0.0	0.4	0.0	0.0	0.0
Total Del/Veh (s)	25.0	9.5	6.0	0.7	0.2	1.7	1.5	0.3	2.1

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.6	1.0	13.2	1.3	18.1	7.4	3.0

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.5	0.4	3.5	0.7	3.6	0.1	0.0	0.2
Total Del/Veh (s)	36.9	34.9	4.0	50.4	32.5	5.9	46.1	6.4	1.6	47.3	19.1	6.2

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	17.7

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	24.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	42	62	104	25	71
Average Queue (ft)	11	23	32	4	6
95th Queue (ft)	33	49	70	20	34
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	52
Average Queue (ft)	18
95th Queue (ft)	42
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	40	88	36	37	95	31	32	183	13
Average Queue (ft)	3	8	36	7	6	20	3	4	52	1
95th Queue (ft)	16	29	75	25	23	66	18	18	131	11
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0						0	
Queuing Penalty (veh)			0						0	

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	60	25	52
Average Queue (ft)	20	7	4
95th Queue (ft)	46	26	25
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	17
Average Queue (ft)	1
95th Queue (ft)	7
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	NB	SB
Directions Served	LT	R	L	L
Maximum Queue (ft)	28	86	39	15
Average Queue (ft)	2	28	7	1
95th Queue (ft)	12	59	27	8
Link Distance (ft)	278	278		
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)			290	300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	EB	WB	NB	NB
Directions Served	R	L	L	R
Maximum Queue (ft)	34	86	52	51
Average Queue (ft)	2	33	21	18
95th Queue (ft)	16	73	48	45
Link Distance (ft)			345	345
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	300	120		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	36	81	175	99	176	140	95	33	59	339	29
Average Queue (ft)	8	20	91	16	82	32	28	3	20	164	7
95th Queue (ft)	28	54	156	56	155	95	67	16	49	277	24
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)		0	21	0						3	
Queuing Penalty (veh)		2	7	0						2	

Network Summary

Network wide Queuing Penalty: 11

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.2	4.0	0.1	0.1	2.4	0.0	0.0	0.0	0.5	0.5	3.4
Total Del/Veh (s)	11.4	15.8	3.8	14.3	13.4	3.5	4.3	4.4	1.3	2.7	1.3	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.5
Total Del/Veh (s)	3.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.2	1.1	3.0	1.2	4.1	1.9	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.0	0.0	4.1	0.1	0.2	0.0	0.0	0.1	3.4	0.4	3.5
Total Del/Veh (s)	60.1	64.7	14.1	58.6	57.1	15.5	60.0	13.7	8.5	64.9	3.8	1.0

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.3
Total Del/Veh (s)	14.0

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.2	0.0
Total Del/Veh (s)	10.0	3.9	10.7	2.1	1.3	0.1	3.8	1.0	0.5	1.3

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	14.1	5.4	0.9	0.6	0.8

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.2		0.0	0.0	0.4	0.0	0.3	0.1
Total Del/Veh (s)	12.5	3.5	15.4	10.6		1.8	0.3	5.5	0.8	0.2	1.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.3	0.0	0.2	0.2	0.0
Total Del/Veh (s)	1.8	0.2	7.0	3.0	17.0	5.5	3.9

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.2	3.9	0.3	0.3	3.1	1.8	3.2	0.1	0.0	0.0
Total Del/Veh (s)	55.2	37.3	2.5	46.4	45.2	29.6	50.9	11.9	2.3	50.9	20.8	5.3

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	1.3
Total Del/Veh (s)	22.7

Total Network Performance

Denied Del/Veh (s)	1.4
Total Del/Veh (s)	31.0

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB	SB
Directions Served	LT	R	LT	R	LT	LT	R
Maximum Queue (ft)	57	45	50	25	114	42	4
Average Queue (ft)	20	16	24	6	30	5	0
95th Queue (ft)	46	36	47	22	80	26	2
Link Distance (ft)	414		1298		784	478	
Upstream Blk Time (%)							
Queuing Penalty (veh)							
Storage Bay Dist (ft)		270		270			270
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	27	32
Average Queue (ft)	1	7
95th Queue (ft)	12	26
Link Distance (ft)	1064	511
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	49	64	87	65	56	367	126	45	143	24
Average Queue (ft)	10	15	33	11	16	107	14	8	37	1
95th Queue (ft)	33	46	71	38	44	284	77	27	95	10
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0	0		1				
Queuing Penalty (veh)			0	0		1				

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LT	LT
Maximum Queue (ft)	30	24	51	55
Average Queue (ft)	11	2	6	3
95th Queue (ft)	32	13	28	25
Link Distance (ft)	303	354	585	784
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	29
Average Queue (ft)	5
95th Queue (ft)	23
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	SB
Directions Served	LT	R	LTR	L
Maximum Queue (ft)	23	36	33	68
Average Queue (ft)	2	13	6	20
95th Queue (ft)	13	29	23	51
Link Distance (ft)	278	278	203	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	WB	WB	WB	NB	NB
Directions Served	L	T	T	L	R
Maximum Queue (ft)	57	82	84	109	89
Average Queue (ft)	14	3	3	48	36
95th Queue (ft)	42	60	61	88	67
Link Distance (ft)		384	384	345	345
Upstream Blk Time (%)		0			
Queuing Penalty (veh)		0			
Storage Bay Dist (ft)	120				
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	142	133	113	130	297	211	347	32	65	287	20
Average Queue (ft)	60	34	45	58	176	118	156	8	16	125	3
95th Queue (ft)	118	85	93	116	268	216	288	27	49	218	13
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)		0	5	9			1			1	
Queuing Penalty (veh)		2	5	6			4			0	

Network Summary

Network wide Queuing Penalty: 18

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	4.1	0.1	0.1	2.1	0.0	0.0	0.1	0.2	3.9	0.5
Total Del/Veh (s)	5.4	7.8	2.2	5.7	7.9	2.4	1.2	1.2	0.2	0.7	0.1	1.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0		0.1	0.0
Total Del/Veh (s)	1.2	1.5	2.5	0.7		2.1	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.0	0.0	4.1	0.1	0.1	0.0	0.0	0.0	2.9	0.4	3.2
Total Del/Veh (s)	37.4	29.8	6.3	39.7	31.1	2.0	43.7	5.2	3.4	39.3	3.2	0.5

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	6.5

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)		0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)		2.8	6.0	1.2	0.6	0.1	0.5	0.3	0.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0
Total Del/Veh (s)	5.8	3.2	0.4	0.3	0.5

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Total Del/Veh (s)	8.8	3.3	2.9	6.8	15.3	2.3	2.1	0.7	0.1	1.7	0.5	0.1

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.0
Total Del/Veh (s)	0.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.5	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.0	0.2	4.3	1.5	6.5	2.2	1.5

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.1	0.3	0.2	3.2	0.7	3.4	0.1	0.0	0.5
Total Del/Veh (s)	46.8	42.2	2.0	55.5	45.7	11.9	50.6	5.7	1.3	62.0	13.1	4.9

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.8
Total Del/Veh (s)	17.6

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	22.7

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	40	57	46	19	39
Average Queue (ft)	13	15	18	2	4
95th Queue (ft)	34	37	44	12	20
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	18	39
Average Queue (ft)	1	8
95th Queue (ft)	8	29
Link Distance (ft)	1064	511
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	32	42	75	17	55	93	32	26	118	15
Average Queue (ft)	2	10	24	2	11	17	2	3	30	1
95th Queue (ft)	15	32	56	10	38	61	12	16	82	10
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0							
Queuing Penalty (veh)			0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	25	25	19
Average Queue (ft)	11	4	1
95th Queue (ft)	30	20	10
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	37
Average Queue (ft)	15
95th Queue (ft)	39
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	36	20	27	10
Average Queue (ft)	2	11	3	4	0
95th Queue (ft)	12	29	15	20	5
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	EB	WB	NB	NB
Directions Served	R	L	L	R
Maximum Queue (ft)	4	39	46	48
Average Queue (ft)	0	9	16	16
95th Queue (ft)	3	33	41	41
Link Distance (ft)			345	345
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	300	120		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	40	60	117	90	186	148	155	29	73	212	20
Average Queue (ft)	8	20	48	16	93	27	54	3	26	95	3
95th Queue (ft)	26	50	98	53	164	102	120	18	62	173	14
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			4	1						0	
Queuing Penalty (veh)			1	0						0	

Network Summary

Network wide Queuing Penalty: 2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.3	4.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	0.6	3.2
Total Del/Veh (s)	7.3	10.9	6.3	12.6	13.0	2.9	3.1	0.8	0.1	0.5	1.3	0.1

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	2.6

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Total Del/Veh (s)	2.2	2.0	1.9	1.1	4.6	2.6	2.3

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.4	0.0	0.0	4.1	0.2	0.4	0.0	0.0	0.0	2.9	0.5	3.1
Total Del/Veh (s)	31.2	43.4	6.5	44.3	44.9	8.6	48.3	5.3	2.9	44.1	4.5	1.4

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	8.8

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0
Total Del/Veh (s)	9.8	6.4	8.1	2.7	0.5	0.0	1.4	0.8	1.5

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.2	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	10.0	3.0	0.4	0.0	1.0	0.8	0.8

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	11.6	15.5	24.5	18.2	9.6	0.7	0.4	1.7	2.1	0.4	4.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.7	1.1	12.6	1.2	25.2	10.7	3.3

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.5	0.1	3.6	0.7	3.6	0.0	0.0	0.3
Total Del/Veh (s)	36.8	37.7	4.0	46.7	34.5	9.1	45.8	5.9	1.2	46.8	18.9	7.1

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	17.6

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	26.3

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	39	61	87	24	42	3
Average Queue (ft)	11	23	38	3	4	0
95th Queue (ft)	32	48	72	17	23	2
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	60
Average Queue (ft)	21
95th Queue (ft)	47
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	42	47	108	45	46	91	27	29	184	33
Average Queue (ft)	7	10	38	9	6	18	2	5	52	2
95th Queue (ft)	28	34	80	31	27	60	13	19	131	17
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			1						0	
Queuing Penalty (veh)			0						0	

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	48	24	39
Average Queue (ft)	21	4	4
95th Queue (ft)	42	20	20
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	37	6
Average Queue (ft)	10	0
95th Queue (ft)	33	4
Link Distance (ft)	225	585
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	24	89	111	51	20
Average Queue (ft)	3	30	43	7	1
95th Queue (ft)	16	63	88	31	9
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	EB	EB	WB	NB	NB
Directions Served	T	R	L	L	R
Maximum Queue (ft)	4	25	80	77	68
Average Queue (ft)	0	1	30	25	23
95th Queue (ft)	3	11	66	59	60
Link Distance (ft)	659			345	345
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		300	120		
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	R	L	L	T	R	L	T	R
Maximum Queue (ft)	69	55	154	96	6	175	134	100	29	52	341	37
Average Queue (ft)	16	19	79	16	0	83	44	25	4	16	157	7
95th Queue (ft)	47	47	135	52	2	149	102	69	20	41	277	25
Link Distance (ft)		384		244	244			607			3458	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		80			500	500		290	210		210
Storage Blk Time (%)			15	0							3	
Queuing Penalty (veh)			4	0							1	

Network Summary

Network wide Queuing Penalty: 6

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.6	3.9	0.1	0.0	0.0	0.0	0.0	1.1	0.5	0.6	2.2
Total Del/Veh (s)	13.0	12.9	7.1	20.6	12.8	2.7	3.9	0.9	0.2	1.3	1.8	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	3.4

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.2	0.1	0.0
Total Del/Veh (s)	0.9	1.3	1.0	4.6	2.1	1.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	1.4	0.0	0.0	4.1	0.4	0.1	0.0	0.0	0.0	4.2	0.6	3.1
Total Del/Veh (s)	48.1	2.3	13.3	49.1	63.2	10.2	70.3	7.3	2.8	109.5	4.1	0.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	8.5

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	19.2	5.0	8.4	2.3	0.3	0.0	1.5	1.0	1.5

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	NBT	SBL	SBT	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	0.3	0.3	0.7	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.2	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	26.8	18.5	23.8	14.6	5.2	0.6	0.3	2.8	1.9	0.4	4.2

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.1	0.0	0.1	0.2	0.0
Total Del/Veh (s)	2.6	1.1	7.6	1.0	18.5	8.2	2.9

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.7	0.1	3.5	0.6	3.6	0.0	0.0	0.0
Total Del/Veh (s)	51.2	41.5	3.5	52.8	46.0	21.1	45.6	7.6	1.3	64.2	30.0	7.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	21.7

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	27.6

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	48	82	72	23	48	21
Average Queue (ft)	24	25	34	2	5	1
95th Queue (ft)	47	54	57	14	23	7
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	49
Average Queue (ft)	14
95th Queue (ft)	39
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	40	20	83	47	24	306	26	21	147	23
Average Queue (ft)	8	3	44	9	3	25	2	1	48	1
95th Queue (ft)	27	13	80	27	17	120	12	9	104	8
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0			1				
Queuing Penalty (veh)			0			0				

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	47	25	23
Average Queue (ft)	21	5	2
95th Queue (ft)	42	21	13
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement
Directions Served
Maximum Queue (ft)
Average Queue (ft)
95th Queue (ft)
Link Distance (ft)
Upstream Blk Time (%)
Queuing Penalty (veh)
Storage Bay Dist (ft)
Storage Blk Time (%)
Queuing Penalty (veh)

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	22	146	128	47	25
Average Queue (ft)	2	32	35	3	3
95th Queue (ft)	11	90	75	17	15
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	55	50	58
Average Queue (ft)	21	23	12
95th Queue (ft)	47	44	39
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	R	L	L	T	R	L	T	R
Maximum Queue (ft)	66	95	207	56	9	99	60	108	28	88	440	400
Average Queue (ft)	27	22	86	13	1	58	16	39	3	27	258	22
95th Queue (ft)	53	56	140	38	5	105	44	93	18	69	416	143
Link Distance (ft)		384		244	244			607			3458	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		80			500	500		290	210		210
Storage Blk Time (%)			15								16	
Queuing Penalty (veh)			4								11	

Network Summary

Network wide Queuing Penalty: 15

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.3	0.1	3.9	0.1	0.0	0.0	0.0	0.0	0.5	0.6	0.7	3.2
Total Del/Veh (s)	15.5	17.0	5.8	19.2	13.6	1.7	4.3	1.1	0.2	1.3	1.8	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	3.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.1	0.3	0.8	4.1	2.3	1.7

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.8	0.0	0.0	4.1	0.1	0.1	0.6	0.1	1.7	3.9	0.5	2.7
Total Del/Veh (s)	43.6	33.6	4.8	40.3	41.0	10.0	28.4	4.1	1.1	77.1	5.6	0.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	8.4

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	8.1	6.2	15.3	4.7	0.6	0.0	1.6	0.0	1.9

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	2.5	0.3	0.0	0.3	0.8	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.8	0.0	0.0	0.0
Total Del/Veh (s)	5.5	17.7	19.5	7.6	8.1	0.6	0.4	2.1	2.1	0.4	4.4

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.2	0.0	0.1	0.1	0.0
Total Del/Veh (s)	2.8	1.2	15.8	1.1	25.1	6.5	3.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.9	0.2	0.1	3.6	0.6	3.8	0.0	0.0	0.0
Total Del/Veh (s)	65.5	47.9	4.2	45.6	39.2	4.2	52.4	7.2	1.0	58.1	16.1	6.4

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	17.3

Total Network Performance

Denied Del/Veh (s)	1.1
Total Del/Veh (s)	25.1

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	66	67	70	25	66	22
Average Queue (ft)	30	21	35	1	5	1
95th Queue (ft)	56	48	62	8	27	6
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	51
Average Queue (ft)	22
95th Queue (ft)	47
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T
Maximum Queue (ft)	24	36	102	39	28	93	27	27	224
Average Queue (ft)	8	10	40	7	7	19	1	3	72
95th Queue (ft)	25	27	83	24	24	66	9	16	142
Link Distance (ft)		1064		520		3458			761
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	100		100		240		240	240	
Storage Blk Time (%)			0						0
Queuing Penalty (veh)			0						0

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	47	25	29
Average Queue (ft)	20	5	3
95th Queue (ft)	44	20	17
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	29
Average Queue (ft)	1
95th Queue (ft)	10
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	84	63	64	28
Average Queue (ft)	2	29	33	7	1
95th Queue (ft)	11	58	63	30	10
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	EB	WB	NB	NB
Directions Served	R	L	L	R
Maximum Queue (ft)	55	74	72	46
Average Queue (ft)	4	33	23	12
95th Queue (ft)	24	70	56	36
Link Distance (ft)			345	345
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	300	120		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	R	L	L	T	R	L	T	R
Maximum Queue (ft)	46	108	186	102	9	198	164	66	23	114	309	23
Average Queue (ft)	16	28	97	20	0	68	25	27	2	21	144	5
95th Queue (ft)	42	69	169	55	3	140	85	67	11	63	272	19
Link Distance (ft)		384		244	244			607			3458	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	200		80			500	500		290	210		210
Storage Blk Time (%)		0	18	0							3	
Queuing Penalty (veh)		0	5	0							2	

Network Summary

Network wide Queuing Penalty: 7

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.2	4.1	0.0	0.1	2.7	0.0	0.0	0.0	0.1	0.6	3.3
Total Del/Veh (s)	15.5	11.7	6.4	10.4	11.3	2.8	4.2	1.1	0.2	0.3	1.5	0.1

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	2.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.7	2.0	2.7	0.7	4.4	2.4	2.1

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.7	0.0	0.0	3.9	0.1	0.1	0.0	0.0	0.0	3.5	0.5	2.9
Total Del/Veh (s)	49.0	40.7	4.5	39.9	37.0	2.3	39.3	4.4	2.7	65.7	5.3	0.9

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.6
Total Del/Veh (s)	8.3

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	60.2	5.9	9.9	6.2	1.2	0.0	1.4	0.5	1.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	NBR	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0
Total Del/Veh (s)	10.0	2.3	0.4	0.0	0.8	0.8

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	12.7	30.8	31.5	8.4	6.8	0.8	0.3	1.7	2.1	0.7	5.8

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Total Del/Veh (s)	3.1	1.1	15.3	1.3	35.7	16.2	4.0

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	3.8	0.7	0.3	3.5	0.6	3.4	0.2	0.0	0.0
Total Del/Veh (s)	36.4	32.3	4.7	41.4	35.4	14.2	62.9	6.3	2.2	53.1	21.1	8.1

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.7
Total Del/Veh (s)	19.6

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	28.9

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	25	43	51	25	49
Average Queue (ft)	11	21	29	3	4
95th Queue (ft)	31	40	51	15	26
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	50
Average Queue (ft)	17
95th Queue (ft)	42
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	24	20	80	38	49	53	27	45	203	27
Average Queue (ft)	4	6	30	4	7	17	4	4	69	1
95th Queue (ft)	18	20	65	20	28	50	18	21	146	9
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0							
Queuing Penalty (veh)			0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	49	25	114
Average Queue (ft)	20	7	12
95th Queue (ft)	40	25	58
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB
Directions Served	LR
Maximum Queue (ft)	29
Average Queue (ft)	6
95th Queue (ft)	25
Link Distance (ft)	225
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	23	153	110	28	25
Average Queue (ft)	2	39	46	9	2
95th Queue (ft)	14	102	91	28	12
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	74	74	53
Average Queue (ft)	35	28	20
95th Queue (ft)	68	58	51
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	44	43	148	92	208	170	85	28	47	459	21
Average Queue (ft)	10	14	66	20	107	66	31	7	17	169	9
95th Queue (ft)	31	37	113	58	181	138	69	24	43	307	25
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			11	1						4	
Queuing Penalty (veh)			4	2						2	

Network Summary

Network wide Queuing Penalty: 8

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.1	0.4	4.1	0.1	0.2	3.1	0.0	0.0	0.0	0.5	0.4	3.1
Total Del/Veh (s)	18.4	14.1	3.1	19.3	17.1	3.9	5.0	5.5	1.6	1.0	1.1	0.2

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.5
Total Del/Veh (s)	4.2

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.1	0.0
Total Del/Veh (s)	1.4	0.5	2.6	1.2	2.9	1.7

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.2	0.1	0.0	4.1	0.1	0.2	0.0	0.0	0.1	3.6	0.4	4.1
Total Del/Veh (s)	67.0	57.6	7.6	59.4	59.9	10.5	76.1	13.0	7.1	62.4	5.2	0.4

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.3
Total Del/Veh (s)	14.7

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Total Del/Veh (s)	17.5	3.0	11.3	2.1	1.2	0.4	1.5	0.8	0.1	1.1

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	14.1	3.6	1.1	0.7	3.8	0.7	1.0

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBR	WBL	WBR	NBL	NBT	NBR	SBL	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.4	0.0	0.0	0.1
Total Del/Veh (s)	13.5	5.1	18.5	6.5	0.2	2.1	0.7	6.9	1.1	0.0	2.7

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.0	0.0	0.2	0.1	0.0
Total Del/Veh (s)	2.1	0.6	8.2	3.1	20.4	5.3	4.0

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.1	4.0	0.3	0.5	3.1	2.0	3.3	0.0	0.0	0.0
Total Del/Veh (s)	70.1	38.3	2.7	51.2	48.0	29.7	50.7	11.8	2.5	51.6	26.6	6.6

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	1.4
Total Del/Veh (s)	25.0

Total Network Performance

Denied Del/Veh (s)	1.5
Total Del/Veh (s)	33.7

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	SB
Directions Served	LT	R	LT	R	LT	LT
Maximum Queue (ft)	50	62	94	25	92	20
Average Queue (ft)	15	16	29	10	35	1
95th Queue (ft)	40	35	61	29	75	10
Link Distance (ft)	414		1298		784	478
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)		270		270		
Storage Blk Time (%)						
Queuing Penalty (veh)						

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	NB
Directions Served	LR
Maximum Queue (ft)	51
Average Queue (ft)	8
95th Queue (ft)	32
Link Distance (ft)	511
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	44	44	89	80	92	395	412	49	138	21
Average Queue (ft)	15	14	47	9	24	118	29	7	54	1
95th Queue (ft)	36	38	87	25	63	263	152	31	118	7
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			1			1				
Queuing Penalty (veh)			0			1				

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB	SB
Directions Served	LTR	LTR	LT	LT
Maximum Queue (ft)	25	24	51	21
Average Queue (ft)	12	1	4	1
95th Queue (ft)	31	8	24	7
Link Distance (ft)	303	354	585	784
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	29	53
Average Queue (ft)	11	2
95th Queue (ft)	32	18
Link Distance (ft)	225	585
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	SB
Directions Served	LT	R	LTR	L
Maximum Queue (ft)	46	44	86	71
Average Queue (ft)	6	16	27	24
95th Queue (ft)	25	37	55	56
Link Distance (ft)	278	278	203	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				300
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 7:

Movement	EB	WB	WB	NB	NB
Directions Served	R	L	T	L	R
Maximum Queue (ft)	22	54	429	97	75
Average Queue (ft)	1	20	0	43	33
95th Queue (ft)	7	50	0	76	55
Link Distance (ft)			384	345	345
Upstream Blk Time (%)			0		
Queuing Penalty (veh)			0		
Storage Bay Dist (ft)	300	120			
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	171	110	108	171	274	231	394	48	68	325	21
Average Queue (ft)	74	40	40	54	193	149	152	9	17	154	3
95th Queue (ft)	143	90	84	122	270	225	258	31	50	258	14
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)		0	3	9			1			4	
Queuing Penalty (veh)		0	3	6			5			1	

Network Summary

Network wide Queuing Penalty: 17

1: Nowthen Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)	0.1	0.2	4.1	0.1	0.0	2.5	0.0	0.0	0.0	0.2	3.5	0.4
Total Del/Veh (s)	4.7	9.2	2.7	7.5	6.1	1.8	1.5	1.3	0.4	0.7	0.1	1.5

2: Cobalt St NW & Sunwood Dr NW Performance by movement

Movement	EBT	EBR	WBL	WBT	NBR	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0	0.1	0.0
Total Del/Veh (s)	1.3	0.9	2.1	0.7	2.3	1.4

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.6	0.0	0.0	4.1	0.1	0.2	0.0	0.0	0.0	2.9	0.4	3.2
Total Del/Veh (s)	38.1	27.7	4.8	41.8	70.0	8.7	38.3	5.9	3.8	65.5	3.0	0.6

3: St Francis Blvd NW & Sunwood Dr NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.4
Total Del/Veh (s)	6.9

4: Nowthen Blvd NW & 146th Ave NW Performance by movement

Movement	EBL	EBR	WBL	NBL	NBT	NBR	SBT	SBR	All
Denied Del/Veh (s)		0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)		2.9	6.9	1.1	0.8	0.1	0.5	0.2	0.7

5: Nowthen Blvd NW & Lord of Life Access Performance by movement

Movement	WBL	WBR	NBT	NBR	SBL	SBT	All
Denied Del/Veh (s)	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Total Del/Veh (s)	5.7	3.2	0.7	0.1	2.6	0.4	0.7

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)		0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0
Total Del/Veh (s)		11.1	3.6	7.9	6.0	3.3	2.3	1.0	0.5	1.3	0.8	0.3

6: Nowthen Blvd NW & Iodine St NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.0
Total Del/Veh (s)	1.7

7: Performance by movement

Movement	EBT	EBR	WBL	WBT	NBL	NBR	All
Denied Del/Veh (s)	0.0	0.1	0.2	0.0	0.1	0.1	0.0
Total Del/Veh (s)	1.4	0.3	5.3	1.3	7.0	3.0	1.7

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Denied Del/Veh (s)	0.0	0.0	0.0	4.1	0.3	0.2	3.3	0.9	3.4	0.2	0.0	0.0
Total Del/Veh (s)	55.4	34.0	2.1	52.4	50.0	14.7	47.2	6.8	1.2	61.7	16.3	5.4

8: St Francis Blvd NW & Nowthen Blvd NW Performance by movement

Movement	All
Denied Del/Veh (s)	0.9
Total Del/Veh (s)	19.3

Total Network Performance

Denied Del/Veh (s)	1.2
Total Del/Veh (s)	24.0

Intersection: 1: Nowthen Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB
Directions Served	LT	R	LT	R	LT
Maximum Queue (ft)	25	34	33	24	33
Average Queue (ft)	9	13	13	2	4
95th Queue (ft)	28	28	36	11	20
Link Distance (ft)	414		1298		784
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)		270		270	
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 2: Cobalt St NW & Sunwood Dr NW

Movement	WB	NB
Directions Served	LT	LR
Maximum Queue (ft)	6	55
Average Queue (ft)	0	10
95th Queue (ft)	0	34
Link Distance (ft)	1064	511
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 3: St Francis Blvd NW & Sunwood Dr NW

Movement	EB	EB	WB	WB	NB	NB	NB	SB	SB	SB
Directions Served	L	TR	L	TR	L	T	R	L	T	R
Maximum Queue (ft)	32	39	84	20	36	106	32	28	96	20
Average Queue (ft)	5	8	25	2	7	25	2	3	29	1
95th Queue (ft)	21	26	64	11	26	77	16	16	76	9
Link Distance (ft)		1064		520		3458			761	
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	100		100		240		240	240		240
Storage Blk Time (%)			0							
Queuing Penalty (veh)			0							

Intersection: 4: Nowthen Blvd NW & 146th Ave NW

Movement	EB	WB	NB
Directions Served	LTR	LTR	LT
Maximum Queue (ft)	25	25	20
Average Queue (ft)	8	4	1
95th Queue (ft)	26	18	12
Link Distance (ft)	303	354	585
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 5: Nowthen Blvd NW & Lord of Life Access

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	29	14
Average Queue (ft)	17	1
95th Queue (ft)	40	14
Link Distance (ft)	225	585
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 6: Nowthen Blvd NW & Iodine St NW

Movement	EB	EB	WB	NB	SB
Directions Served	LT	R	LTR	L	L
Maximum Queue (ft)	18	53	63	27	15
Average Queue (ft)	1	13	24	5	1
95th Queue (ft)	10	33	46	20	6
Link Distance (ft)	278	278	203		
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)				290	300
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 7:

Movement	WB	NB	NB
Directions Served	L	L	R
Maximum Queue (ft)	45	47	30
Average Queue (ft)	8	16	15
95th Queue (ft)	32	41	36
Link Distance (ft)		345	345
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	120		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: St Francis Blvd NW & Nowthen Blvd NW

Movement	EB	EB	WB	WB	NB	NB	NB	NB	SB	SB	SB
Directions Served	L	T	L	TR	L	L	T	R	L	T	R
Maximum Queue (ft)	61	64	125	64	188	131	162	24	76	242	20
Average Queue (ft)	16	22	47	17	94	51	55	3	26	103	5
95th Queue (ft)	44	52	101	47	162	110	123	17	62	197	17
Link Distance (ft)		384		243			607			3458	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)	200		80		500	500		290	210		210
Storage Blk Time (%)			4	0						1	
Queuing Penalty (veh)			1	0						0	

Network Summary

Network wide Queuing Penalty: 2

RESOLUTION #23-223

APPROVING RECORD OF DECISION AND THE NEGATIVE DECLARATION OF NEED FOR AN ENVIRONMENTAL IMPACT STATEMENT FOR THE HAVILAND FIELDS DEVELOPMENT

WHEREAS, Senior Housing Partners ("Proposer") proposes to redevelop a 35.5-acre site to construct 22 townhomes and three multifamily residential buildings with 476 total units located between MN Highway 47 (St. Francis Blvd NW) and County Rd 5 (Nowthen Blvd NW) in Ramsey; and

WHEREAS, the project crosses the threshold of a mandatory environmental assessment worksheet ("EAW") by having a total of more than 375 attached units for a residential development per Minnesota Rules, part 4410.4300, subpart 19; and

WHEREAS, the EAW was prepared by Kimley-Horn on behalf of the Proposer, who submitted completed data portions of the EAW to the City of Ramsey consistent with Minnesota Rules, part 4410.1400; and

WHEREAS, the EAW was prepared using the form approved by the Minnesota Environmental Quality Board (EQB) for EAWs in accordance with Minnesota Rules, part 4410.1300; and

WHEREAS, the City of Ramsey submitted a copy of the EAW to all public agencies on the EAW distribution list and published EAW availability in the EQB Monitor on August 1, 2023, in accordance with applicable state laws, rules, and regulations; and

WHEREAS, the EAW comment period lasted from August 1, 2023 to August 31, 2023, and four (4) regulatory agencies and seven (7) members of the public submitted written comments during the comment period; and

WHEREAS, the City of Ramsey acknowledges the comments received from the Metropolitan Council, Minnesota Department of Agriculture, Minnesota Department of Natural Resources, Minnesota Department of Transportation, and seven (7) members of the public; and

WHEREAS, city staff reviewed the proposed record of decision and finds it to be consistent with the evidence submitted to the city and the applicable statutes and regulations, to the best of their knowledge, and recommends the city council approve the findings of fact and record of decision dated September 2023 and determine that no environmental impact statement ("EIS") is necessary, reasonable or warranted with respect to the Project under the circumstances; and

WHEREAS, the City Council desires to make findings of fact and a record of decision that no EIS is required with respect to the Project ("Negative Declaration").

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, COUNTY OF ANOKA, STATE OF MINNESOTA, as follows:

1. Adopt and approve the findings of fact and record of decision for the Haviland Fields

Development environmental assessment worksheet in the form which is attached hereto as Exhibit A and hereby makes the findings of fact and conclusions which are contained therein; and

2. Find and determine that, based upon the findings of fact and record of decision, no environmental impact statement is required for the Project pursuant to the Minnesota Environmental Policy Act or Minnesota Rules, parts 4410.0200 to 4410.6500.

HAVILAND FIELDS DEVELOPMENT
Findings of Fact and Record of Decision

City of Ramsey
September 2023

1. Administrative Background

Senior Housing Partners is proposing to redevelop an approximately 35.5-acre site. The Haviland Fields project is a proposed development that is anticipated to consist of 22 townhomes and three multifamily residential buildings with 476 total units located between MN Highway 47 (St. Francis Blvd NW) and County Rd 5 (Nowthen Blvd NW) in Ramsey, Anoka County, Minnesota. The 35.5-acre site consists of existing institutional use and two residential properties. Only the two existing residential buildings will be demolished.

The City of Ramsey is the Responsible Governmental Unit (RGU) for this project. An Environmental Assessment Worksheet (EAW) has been prepared in accordance with Minnesota Rules Chapter 4410. The EAW was mandatory per Minnesota Rules, part 4410.4300, subpart 19: Residential Development.

The EAW was filed with the Minnesota Environmental Quality Board (EQB) and circulated for review and comment to the required distribution list. A notice of availability was published in the *EQB Monitor* on August 1, 2023. This notice included a description of the project, information on where copies of the EAW were available, and invited the public to provide comments.

The EAW was made available electronically on the City of Ramsey's website at https://cityoframsey.com/989/Haviland-Fields.

The EAW comment period extended from August 1 to August 31, 2023. Written comments were received from four agencies and seven members of the public. All comments received were considered in determining the potential for significant environmental impacts.

Based on the information in the record, which is composed of the EAW for the proposed project, the comments submitted during the public comment period, the responses to comments, and other supporting documents, the City of Ramsey makes the following Findings of Fact and Conclusions.

2. Findings of Fact

2.1 Project Description

Senior Housing Partners are proposing to develop an approximately 35.5-acre site is located between MN Highway 47 (St. Francis Blvd NW) and County Rd 5 (Nowthen Blvd NW) in Ramsey, Minnesota. The Haviland Fields Development consists of one parcel with consisting of an existing institutional building and two residential properties. The institutional building will remain; the two existing residential buildings will be demolished. The residential development proposal will include 22 townhomes and three multifamily residential buildings. Construction is anticipated to begin in Spring 2024 and be completed in multiple phases over the next three to four years.

2.2 Corrections to the EAW or Changes to the Project since the EAW was Published

Section 12.iii, Water Appropriation has been updated to including information regarding water supply for the proposed development, which will be obtained from the City of Ramsey's water system. The existing city water supply is capable of handling the new development. See the EAW for more detail.

2.3 Substantive Comments/Comments Received and Responses to These Comments

The City received four (4) agency comment letters and seven (7) public comment letters during the public comment period, which extended from August 1 to August 31, 2023:

Agency Comments

1. Metropolitan Council (August 14, 2023)
2. Minnesota Department of Agriculture (August 1, 2023)
3. Minnesota Department of Natural Resources (August 29, 2023)
4. Minnesota Department of Transportation (August 31, 2023)

Public Comments

5. Brandon Folta (August 1, 2023)
6. David Drake (August 3, 2023)
7. Alexandria St John (August 1, 2023)
8. Anonymous Ramsey Resident (July 28, 2023)
9. Ben Flake (August 30, 2023)
10. Rick Bailey (August 22, 2023)
11. Logan Lewis (August 30, 2023)

The following sections provide a summary of these comments and responses to them. See Attachment A for the comment letters.

Agency Comments and Responses

Agency	Comment	Response
Metropolitan Council	Our Water Resources reviewers have determined that the EAW – Haviland Fields is Incomplete because the EAW doesn't discuss water supply. The following is needed before an EIS determination is made: Our Water Resources reviewers have determined that the EAW – Haviland Fields is Incomplete because the EAW doesn't discuss water supply. The following is needed before an EIS determination is made: The EAW does not include information under the water appropriation section regarding the water supply source. If connecting to the municipal system, please ensure the water demand for the development can be met and aligns with the Ramsey local water supply plan.	The water supply will be obtained from the City of Ramsey's water system, which is a groundwater based public water supply. Water mains to service the site area provided within adjacent roadway right-of-way, and a preliminary review indicates that the existing infrastructure is sufficient for the anticipated development. The City is in process of building a new water treatment facility that is anticipated to be online late 2024. This has been added to the EAW in Attachment B.
	The project is adjacent to a city of Ramsey drinking water supply management area (DWSMA). Source water protection objectives and activities are outlined in the Ramsey wellhead protection plan. The project would benefit by considering source water protection goals and strategies during the development and post-development activities on site.	Comment noted. Water protection goals and strategies will be evaluated and implemented as appropriate as design plans are finalized.
	The wetland within the project area is mapped as having a connection to underlying aquifers and is surrounded by sandy surficial deposits. Any contaminants that enter the ground on site may move relatively easily to the wetland and underlying groundwater system.	Comment noted. Effective erosion prevention and sediment control practices will be implemented and maintained near the water resources on site throughout the duration of the project.
	Two domestic wells have been identified on site. Sealing these wells according to MDH guidelines is essential to protect groundwater and water supplies. Additionally, 2 storage tanks are identified on site. The recommended Phase 2 subsurface investigation should be conducted. Tank removal and remediation would benefit nearby source waters.	Comment noted. The proposed plan is to abandon and seal per MPCA/MDH requirements and connect to the City water system.
	The EAW mentions repurposing these wells for irrigation on site. This activity should be evaluated to determine if the wells are in condition to meet the irrigation demands. Potential impacts on the groundwater source and related connection to the nearby wetland should also be considered. To avoid the need for irrigated water from a groundwater source on site or from a treated municipal supply, on-site reuse options should be explored. Sites planted with native drought tolerant landscaping require less water and fertilizers than turfgrasses. In areas planted with turfgrasses, selecting low-input (water and nutrients) species will help to limit unnecessary water use and lower maintenance costs. If irrigation systems will be installed on-site, using smart irrigation controllers that are connected to soil moisture sensors and real-time weather data will help to ensure that water is used efficiently, helping to keep costs down and lessen stress on water resources.	Comment noted. These factors will be considered when deciding if the wells can be used for irrigation.

Agency	Comment	Response
	Forecasts (Todd Graham, 651-602-1322) The development proposal includes 498 housing units, mainly in multifamily buildings. This equates to one-quarter of the current decade growth forecasted in Ramsey. Council and City staff can discuss this at the time of the next comprehensive plan amendment. Should this project advance, Transportation Analysis Zone allocations for Ramsey will need updates. The Haviland Fields site is the southern end of TAZ #54. The City anticipated minimal growth in this area. The City's 2040 Plan expects TAZ #54 to gain 12 (twelve) households and no population during 2020-2040. These expectations will need revision to account for the proposed 498 households.	Comment noted. If this occurs, the city will coordinate with the Metropolitan Council to determine any changes needed to TAZ forecasts.
	Housing (Olivia Boerschinger, 651-602-1327) The City is currently inconsistent with the Council's *Housing Policy Plan*. The 2040 Plan provides insufficient land guided to address the City's share of the region's 2021-2030 need for affordable housing by 233 units. The proposed development in the EAW increases the City's inventory of land guided to support the development of low- and moderate-income housing. A comprehensive plan amendment has not been submitted for this development/change but will be needed. With the development proposed in the EAW, the Plan would guide approximately 35 acres of previously low density residential, to high density residential, such that 280 units could be built. This proposal would provide sufficient land guided for affordable housing and address the City's share of housing need. The proposed development does not specify if any units will be made affordable. When the City submits a comprehensive plan amendment determined consistent with the *Housing Policy Plan,* eligibility for participation in Livable Communities Act (LCA) programs can be restored.	Comment noted. The project will note whether any affordable housing units will be included during the submittal of the comprehensive plan amendment.
	Item 10 – Transportation (Victoria Dan, Metro Transit 612-349-7648) While it is true that there is no transit service currently operating within one mile of the site, the nearest park-and-ride facility is at Anoka Station approximately 2 miles away, providing access to Northstar Commuter Rail as well as suburban local Route 805.	Comment noted. Thank you for your review.
MN Department of Agriculture	Minnesota Department of Agriculture appreciates the opportunity to review and comment on the Haviland Fields EAW. After reviewing the document I have determined that this project will pose no impacts to agricultural lands or activities. We have no further comments.	Comment noted. Thank you for your review.
MN DNR	**Page 14, Stormwater**. The increase in impervious surfaces will also increase the amount of road salt used in the project area. Chloride released into groundwater as well as local lakes and streams does not break down, and instead accumulates in the	Comment noted. The project proposer and/or building manager will complete the Smart Salting Training offered through the MPCA to help reduce salt and chloride use.

Agency	Comment	Response
	environment, potentially reaching levels that are toxic to aquatic wildlife and plants. Consider promoting local business and city participation in the Smart Salting Training offered through the Minnesota Pollution Control Agency. There are a variety of classes available for road applicators, sidewalk applicators, and property managers. More information and resources can be found at this website. Many winter maintenance staff who have attended the Smart Salting training — both from cities and counties and from private companies — have used their knowledge to reduce salt use and save money for their organizations. We also encourage cities and counties to consider how they may participate in the Statewide Chloride Management Plan and provide public outreach to reduce the overuse of chloride. Here are some educational resources for residents as well as a sample ordinance regarding chloride use.	The City will also consider how they participate in the Statewide Chloride Management Plan and project public outreach to reduce chloride use.
	Page 14, Stormwater. We encourage the development to use weed-free, native seed mixes in landscaping and stormwater features to the greatest extent possible in order to provide pollinator and wildlife habitat.	Comment noted. Disturbed areas will be reestablished using appropriate native seed mixes, and native plants will be used in landscaping to help absorb water and reduce the water demand for irrigation.
	Page 14, Stormwater. Please make sure that all required avoidance measures for the Blanding's turtle (state-threatened), are incorporated into the SWPPP and construction plans. This section should mention that only wildlife-friendly erosion control materials will be used.	Comment noted. The Threatened and Endangered Species section notes that the use of erosion control blankets shall be limited to "bio-netting" or "natural-netting" types, and specifically not products containing plastic mesh netting or other plastic components.
	Page 21, Rare Features. This section states that minimal tree removal will be required as part of the project, however, Table 3: Cover Types shows that the project proposes to remove over seven acres of trees, which is a large impact in such a developed area and near a river corridor. Even if significant trees are replaced, it will take decades for new trees to grow enough to provide the same ecological benefit. We strongly encourage the proposer to preserve as many trees as possible.	Comment noted. Further ways to minimize tree removal will be considered as the project design advances.
	Page 21, Rare Species. This section states that no impacts to Blanding's turtles are anticipated because the project will not be impacting wetlands. That is incorrect since Blanding's turtles also use upland sites and can travel great distances. The EAW should identify which fact sheet recommendations the proposer is willing to commit to in addition to the required avoidance measures. The Blanding's turtle fact sheet contains several measures regarding	Comment noted. The project proposer is committed to following the measures identified in the Blanding's turtle fact sheet as noted in Section 14 of the EAW.

Agency	Comment	Response
	wetland buffers, roads, utilities, and landscaping that are pertinent to this type of project. The DNR recommends a wider buffer than the proposed 16.5' wetland buffer as well as the use of surmountable curbs. Please also refer to the required avoidance measures for Blanding's turtle that were provided in the July 7, 2023 Natural Heritage letter and have been copied below: Blanding's turtles (*Emydoidea blandingii*), a state-listed threatened species, have been documented in the vicinity of the proposed project. Blanding's turtles use upland areas up to and over a mile distant from wetlands, waterbodies, and watercourses. Uplands are used for nesting, basking, periods of dormancy, and traveling between wetlands. Factors believed to contribute to the decline of this species include collisions with vehicles, wetland drainage and degradation, and the development of upland habitat. Any added mortality can be detrimental to populations of Blanding's turtles, as these turtles have a low reproduction rate that depends upon a high survival rate to maintain population levels. This project has the potential to impact this rare turtle through direct fatalities and habitat disturbance/destruction due to excavation, fill, and other construction activities associated with the project. Minnesota's Endangered Species Statute (*Minnesota Statutes*, section 84.0895) and associated Rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the take of threatened or endangered species without a permit. As such, the following avoidance measures are required: Avoid wetland and aquatic impacts during hibernation season, between September 15th and April 15th, if the area is suitable for hibernation. The use of erosion control blanket shall be limited to 'bio-netting' or 'natural-netting' types, and specifically not products containing plastic mesh netting or other plastic components. Also, be aware that hydro-mulch products may contain small synthetic (plastic) fibers to aid in their matrix strength. These loose fibers could potentially re-suspend and make their way into Public Waters. As such, please review mulch products and do not allow any materials with synthetic (plastic) fiber additives in areas that drain into Public Waters. Construction areas, especially aquatic or wetland areas, should be thoroughly checked for turtles before the use of heavy equipment or any ground disturbance.	

Agency	Comment	Response
	The Blanding's turtle flyer must be given to all contractors working in the area. Monitor for turtles during construction and report any sightings to the DNR Nongame Specialist, Erica Hoaglund (Erica.Hoaglund@state.mn.us). If turtles are in imminent danger they must be moved by hand out of harm's way, otherwise, they are to be left undisturbed. If following the above avoidance measures is not possible, please contact NHIS.Review@state.mn.us as further action may be needed. For additional information, see the Blanding's turtle fact sheet, which describes the habitat use and life history of this species. The fact sheet also provides two lists of recommendations for avoiding and minimizing impacts to this rare turtle. Please refer to both lists of recommendations and apply those that are relevant to your project. For further assistance regarding the Blanding's turtle, please contact the DNR Regional Nongame Specialist, Erica Hoaglund.	
	Page 22, Visual. Given the proximity to a river corridor, development lighting is an important consideration. Animals depend on the daily cycle of light and dark for behaviors such as hunting, migrating, sleeping, and protection from predators. Light pollution can affect their sensitivity to the night environment and alter their activities. In addition to the undesirable effects of upward facing lighting, the hue of lights can also affect wildlife. LED lighting has become increasingly popular due to its efficiency and long lifespan. However, these bright lights tend to emit blue light, which can be harmful to birds, insects, and fish. The DNR recommends that any projects using LED luminaries follow the MnDOT Approved Products for luminaries, which limits the uplight rating to 0, and the maximum nominal color temperature to 4000K.	Comment noted. The project will consider MnDOT Approved Products. Thank you for your review.
MnDOT	**Right of Way** The residential driveway connecting to MN 47 should be removed early in the construction process and should not be used for construction vehicle use. Please contact Mike Lynch, Metro Right of Way, at 651-234-7558 or Mike.lynch@state.mn.us with any questions	Comment noted.
	Pedestrian and Bicycle Currently there is a trail running NW, on the north side of CR 5, from the intersection of MN 47 and CR 5. There is also a trail running N/S on the east side of MN 47. MnDOT will be completing a mill and overlay of this section of MN 47 in 2028. Some trail connections and crossings will change at that time. As part of this project, MnDOT will be removing the pedestrian crossing on the south leg of the MN 47/CR 5 intersection. There are no destinations or sidepath in	The project proposer will evaluate the need for potential pedestrian crossings.

Agency	Comment	Response
	the SW quadrant, and the channelized right turn is hazardous to pedestrians without a clear destination. MnDOT suggests the developer work with the county to install a pedestrian crossing across CR 5 to Iodine St NW to provide access to the trail. MnDOT recommends the developer ensure that the both the sidewalk ramps on the driveways and the ramps for the internal crosswalk through the parking lot meet American with Disabilities Act (ADA) standards. We also advise that the internal crosswalk and sidewalks around the building should maintain a Pedestrian Access Route (PAR) of at least 4 feet in width. Standard plans are available on MnDOT's ADA page here: http://dot.state.mn.us/ada/design.html. We also strongly recommend raising the street level to meet major trail crossings so that the trails remain level for their users and vehicles have extra reinforcement for giving pedestrian and cyclists the right of way. Please contact Sara Dunlap, Pedestrian, Bicycle and ADA Planning, at sara.dunlap@state..mn.us or 651-234-7725 with any questions.	
	Traffic This project will likely add stress to the MN 47/CR 5 intersection. This intersection is already in disrepair and has an acceleration lane to SB MN 47 that backs up the morning rush hour. This intersection should be monitored closely once the development approaches or reaches build conditions. Please contact Danial Backsen, Anoka Truck Station Supervisor, at 763-279-4050 or danial.backsen@state.mn.us with any questions. The 2028 mill and overlay project will also put fiber and cameras in place to monitor this intersection. Please contact Ashley Hansen, North Area Traffic Safety, at 651-234-7815 orrojecy.hansen@state.mn.us with any questions. Please contact Ashley Hansen, North Area Traffic Safety, at 651-234-7815 orrojecy.hansen@state.mn.us with any questions.	Comment noted.
	Water Resources A MnDOT drainage permit is required before development occurs. The permit applicant shall demonstrate that the off-site runoff entering MnDOT drainage system(s) and/or right of way will not increase. The drainage permit application, including the information below, should be submitted online to: https://olpa.dot.state.mn.us/OLPA/. Please upload this letter with the drainage permit application. The following information must be submitted with the drainage permit application: 1. Grading plans, drainage plans, and hydraulic calculations demonstrating that proposed flows to	The project proposer will apply for a drainage permit before development occurs.

Agency	Comment	Response
	MnDOT right of way remain the same as existing conditions or are reduced. 2. Existing and proposed drainage area maps with flow arrows and labeling that corresponds with the submitted calculations. 3. Hydro CAD model and PDF of output for the 2, 10, and 100-year Atlas 14 storm events. Once a drainage permit application is submitted, a thorough review will be completed and additional information may be requested. Please contact Jason Swenson, Water Resources Engineering, at 651-234-7539 or jason.swenson@state.mn.us with any questions. Please contact Jason Swenson, Water Resources Engineering, at jason.swenson@state.mn.us or 651-234-7539 or with any questions.	
	Noise MnDO''s policy is to assist local governments in promoting compatibility between land use and highways. Residential uses adjacent to highways often result in complaints about traffic noise. Traffic noise from this highway could exceed noise standards established by the Minnesota Pollution Control Agency (MPCA), the U.S. Department of Housing and Urban Development, and the U.S. Department of Transportation. Minnesota Rule 7030.0030 states that municipalities with the authority to regulate land use shall take all reasonable measures to prevent the establishment of land use activities, listed in the MPC''s Noise Area Classification (NAC), anywhere that the establishment of the land use would result in immediate violations of established State noise standards. MnDOT policy regarding development adjacent to existing highways prohibits the expenditure of highway funds for noise mitigation measures in such developed areas. The project proposer is required to assess the existing noise situation and take the action deemed necessary to minimize the impact to the proposed development from any highway noise. If you have any questions regarding MnDO''s noise policy, please contact Natalie Ries in Metro District's Noise and Air Quality Unit at 651-234-7681 orrojecte.ries@state.mn.us.	A noise study will be completed as part of the City's entitlement process to understand the existing and proposed noise conditions and identify any potential mitigation that may be needed so the proposed project complies with the local and state regulations.
	Permits Any other work that affects MnDOT right of way will require an appropriate permit. All permits are available and should be submitted at: https://olpa.dot.state.mn.us/OLPA/. Please upload this letter when applying for any permits. For questions regarding permit submittal requirements, please contact Buck Craig of MnDOT's Metro District Permits Section at 651-775-0405 (cell) or buck.craig@state.mn.us.	The project proposer will apply for permits if additional work is done that affects MnDOT right of way.

Public Comments and Responses

Name	Comment	Response
Bandon Folta	As a resident of Ramsey I am sick and tired of all the townhouses and apartments being put up in the city leave the city alone !! We are loosing the country feel!!	Comment noted.
David Drake	I have looked at the info from Havilland Fields & disagree with the report on page 28 to30, concerning the entrance into this new building from co. rd 5 (church property). The LOS data on traffic flow at A. This fine for 2023 but not for 2027. The LOS for the latter date is also A, which I believe is a gross error. It should be either C or D. I currently live at Stoney River & see the actual traffic every AM & know that the real traffic loads as shown on the data report can't be correct. I request that more info be obtained at this intersection. Thank you. DD	Comment noted. Regarding the site's generated traffic, it was estimated that the number of units should be estimated 10% higher than the current design includes.
Alexandria St John	Dear Mr Larson I am writing to express my vehement objection to the proposed development of the Lord of Life property in our community. As a concerned resident, I feel compelled to outline the potential devastating impact this development could have on our surrounding communities, families, and neighbors. First and foremost, the increase in traffic, landscape alterations, and population growth resulting from this development will undoubtedly disrupt the peaceful and safe environment that we currently enjoy. The influx of additional vehicles will lead to congestion, making it harder for residents to commute and risking the safety of pedestrians, especially children and elderly individuals. Furthermore, the proposed development does not seem to align with the recent developments in surrounding communities, which have not shown a need for such expansion. Instead, it appears to be driven by developers' interests without considering the genuine needs and desires of the families in our community. Speaking of which, I want to emphasize that the families in our neighborhood do not want this development. Many of the residents have made their voices heard in various forums, expressing their strong opposition to this project. It is crucial to respect the wishes of the community members who will be directly affected by this development. The potential consequences of this development extend beyond mere inconvenience; it has the potential to push the area to be overpopulated, leading to the displacement of many long-standing residents. Moreover, our already burdened schools would be overwhelmed by the influx of new students, making it challenging for them to provide quality education.	Comment noted.

Name	Comment	Response
	Another grave concern is the increase in crime that often accompanies rapid urbanization and population growth. The introduction of a large development like this can bring in outsiders and transient populations, leading to potential security risks and jeopardizing the safety of our families.	
Anonymous (Ramsey Resident)	To Whom it May Concern, Minnesota Rule 4410.1100 requires that EAWs shall address "known government approvals, reviews, or financing required, applied for, or anticipated and the status of any applications made, including permit conditions that may have been ordered or are being considered". Additionally, page 8 of the EAW states that the applicant is supposed to list "all direct and indirect forms of public financial assistance including bond guarantees, Tax Increment Financing, and infrastructure". Despite these requirements, the Haviland Fields EAW makes no reference to and does not address the Business Assistance Application for Tax Increment Financing (TIF) made to the City of Ramsey and reviewed by the city of Ramsey Economic Development Authority at their July 13, 2023 meeting. Therefore, the Haviland Fields EAW does not meet the EAW Content requirements established by Minnesota Rule 4410.1100 and should not have been distributed for public comment as it contains insufficient information to adequately be reviewed by residents of the community. The City Council should find the EAW insufficient and require an additional public comment period once the required information on public financing is included within the EAW. Sincerely, Ramsey Resident Haviland Fields EAW Comments: 1. In what ways will stormwater management facilities be designed to reduce the risks of flooding? 2. Currently the EAW shows that no trees will be planted, however, wouldn't the City of Ramsey require a certain number of trees to be replanted at a minimum? IF so, how many trees would that be? 3. The EAW indicates that a comprehensive plan amendment, as well as various other applications, would be applied for if needed. Isn't the applicant or the City of Ramsey aware of what applications are needed at this time? Since a site plan has already been submitted for review along with the application for business assistance it seems like the City of Ramsey and the applicant	Comment noted. TIF assistance from the city has not been approved. 1. Per section 10.a.iv, the project is outside of FEMA 100-year floodplain areas; therefore, minimal flood risk is anticipated. 2. The landscape architecture plan, including the tree mitigation plan, will be development as the project moves forward. Per the City of Ramsey Code of Ordinances, Selective removal of natural vegetation is allowed, provided that sufficient vegetative cover remains to screen cars, dwellings and other structures when viewed from the water. 3. Comment noted. 4. Comment noted, the landscape architecture plan, including the tree mitigation plan, will be development as the project moves forward. 5. The project manager will promote travel options that will reduce the use of greenhouse gases. 6. Per section 20.a, the project will include approximately 619 new parking spots. 7. Traffic analysis is completed using a simulation to represent actual conditions. In the case of Iodine Street, there are few turning movements so the LOS is impacted more significantly if a single vehicle experiences higher delay. 8. Comment noted, see above. 9. Comment noted. 10. A Residential New Townhouse Unit is a

Name	Comment	Response
	should have at least some idea of what permits are required for the project, such as comprehensive plan amendment, and that information should have been included within the EAW. 4. Section 14.C states that there will be minimal tree removal, however, the EAW indicates that 7.37 acres of wooded forested acres will be removed constituting over half of the trees on site. How is this minimal tree removal? 5. Section 18.b.ii indicates that the project will develop a travel demand management plan to reduce use of single occupancy motor vehicles, and increase walking, bicycling, and transit as primary modes of travel to reduce GHG emissions from mobile sources. How will this be developed, given the limited transit in the community and limited suitable weather to bike and walk? The EAW itself states that no transit facilities are within 1 mile of the project, so is the project proposing to create their own transit network and facilities? Say, to link their project with the nearest MetroTransit bus stop or train station via their own private bus service? 6. Is the plan for the residential areas to utilize the church parking lot? 7. CSAH 5 & Iodine St level of service starts at E in the PM for existing year 2023 but then goes to A in opening year no build and D in opening year 2027/ The text does not indicate any changes to this intersection, so if the project isn't built how would the level of service improve from E to A as the traffic analysis suggests? 8. On page 7, the EAW states that based on the "land surface temperate" at the project site during a heatwave in 2016 the site is susceptible to extreme heat. Won't removal of 59.4% of the tree canopy and no additional plantings contribute to the urban heat island effect and/or make the site a less desirable place to live? 9. There are lots of conflicting statements throughout the EAW that indicate that natural resources will be preserved, however in reality the majority of natural resources are going to be impacted and/or removed as part of the project. 10. On page 9 the EAW indicates that a "Residential New Townhouse Unit" as a type of application. What is a "Residential New Townhome Unit Application"?	required permit for this development. The permit application must include a site plan, a Certificate of Survey, a Residential Energy Code Compliance Certificate, and a Sub-Contractor List. The building permit shall be kept on the site of work until the completion of the project, and shall specify the name and address of the applicant and the general contractor.

Name	Comment	Response
Ben Flake	My name is Ben Flake, I live on Fluorine Street with me wife and four small children. We were originally under the impression that there would be no buildings next to our property. However, we were disappointed to see that in the recent Haviland Fields proposal, the townhomes would back up to our house. If the project moves forward we would feel much more comfortable if they installed a barrier between our property and the townhomes. Whether that barrier be a fence or a green barrier made up of plants like white pines and shrubs. I believe most the neighbors would agree with the installation of a barrier. Thanks	Comment noted. Aspects of the site plan may change as the project develops. Vegetation along the existing fence line will be considered.
Rick Bailey	My name is Rick Bailey and I live @ 5021 Xkimo Ct. Nw., on the east side of 47 across from Stoney River and Lord of Life. From the letter we received it mentioned to direct questions and comments to you regarding the Haviland Fields proposed development. My primary concerns with such a large development are regarding noise levels. The noise pollution that would result alone from the increase in traffic is part of it (as 47 and 5 are already heavily congested) and noise levels are high, and equally important/of concern is traffic noise deflecting off of the buildings and into our neighborhoods. For example, when Stoney River was built, it unfortunately brought quite a bit of additional noise into our neighborhood as there is no existing noise wall in place. My related question is if the development is approved to proceed, will there be/can there be a requirement to build a noise wall on the east side of 47, to protect the existing neighborhoods? I'm also cc'ing a few of my neighbors in our cul-de-sac so they can hear any updates/information and Deb Musgrove who is familiar with our existing noise concerns. Thank you	A noise study will be completed as part of the City's entitlement process to confirm that the proposed project complies with the local and state regulations. MnDOT and Federal Highway Association (FHWA) have published studies analyzing the reflective affect of structures on adjacent communities. As a vehicle travels along a highway, it generates sound. Tires, engines, and exhaust systems are the biggest contributors to the sound you hear. As the sound travels outward, it interacts with the ground, buildings, and highway noise barriers. Sound can be reflected or absorbed by these objects. Reflections off a structure increase the level of sound by a small amount on the opposite side of the highway. In this case, you may hear both the direct sound from the vehicle and the sound reflected off the barrier. Your experience of reflected sound will depend on the vehicle type and your distance from the barrier as well as the angle of the reflection, the characteristics of the ground and terrain, distance, barrier dimensions, and other nearby noise sources. The noise increase is usually small and may not be noticeable, but other times it may seem louder because the reflections make the sound of each passing vehicle seem to last longer. More information is available at the following links:

Name	Comment	Response
		https://www.dot.state.mn.us/environment/noise/studies.html https://www.trb.org/NCHRP/Blurbs/178305.aspx It is unlikely that given the traffic volumes on Hwy 47 (approximately 12,000 vehicles per day in 2021) and speeds (55mph posted speed limits) that this situation would result in noise levels that are above the city standards east of the highway; however, the need to analyze this affect, as well as any mitigation, will be determined in the noise study.
Logan Lewis	1. I have a few observations after reading through the EAW, but my first one regards to 6d on pg3. Sources and detailed information are plentiful throughout the document, but all this subsection states is that the project aims to address the housing needs in Ramsey. What set of research and sources is this goal utilizing? What are the referenced housing needs of Ramsey? 2. 14c. This section states "Minimal tree remove will be required as part of the project." However, this is contradicted in "Table 5: Trees" where number of trees to be removed is approximated at 964 trees, or 59.4% of existing trees in the project area. "Minimal" needs a set definition as it pertains to this document. Additional tree cover will only reduce the short- and long-term negative impact of the GHG effect, especially with so much additional asphalt surface being added in the project site. Please place significant consideration and effort into maintaining as much existing tree cover as possible. 3. Along with the approximated amount of tree removal, maintaining a wall of wooded tree cover between the project area and the south side of Birch Hill Lodges' southeastern most side street would greatly benefit the existing townhome community by combatting noise pollution (both during and after the project) and heat from the nearly doubling of nearby asphalt surface, as well as reducing the projected tree removal. Please seriously consider incorporating a portion of this existing wooded wall into the north edge building setback, as well as adding a similar wooded buffer on the adjacent side street also bordering the north edge of the project	1. Comment noted. Cities are allocated housing units by the Metropolitan Council as part of the region's growth goals. Based on feedback from our business community trying to attract employees, there is a demand for high-quality rentals in the community to provide housing for the jobs in Ramsey. 2. Aspects of the site plan may change as the project develops. The project aims to minimize tree clearing as possible, and further ways to minimize tree removal, including planting new tress, will be considered as the project design advances. 3. Vegetation along the fence line will be considered to promote additional privacy for both existing homes and new townhomes. 4. Walking trails are not being considered as part of the project in this area, as the neighborhood generally objected to public spaces and walking rails during the neighborhood meeting in fall 2022. Minimal impacts to bat species are anticipated as part of this project.

Name	Comment	Response
	site. It would also promote additional privacy for both the existing townhomes and the potential new townhomes. 4. **Ideally, the described existing wooded area would prove beneficial and resourceful if trails are being considered as a part of this project. Why not leave the tree cover there and only clear what is needed to construct a path?** Additionally, allowing those trees to remain untouched would greatly benefit the endangered Northern Long-eared Bat and the proposed-endangered Tricolored Bat. The DNR's listed protections and actions concerning the threatened/endangered/proposed-endangered species don't actually seem to be stipulating much protection of their existing homes, albeit not officially designated "critical habitats." (Appendix C, pg 1-4 plus succeeding detailed pages.) 5. 18b. and 7b. The Geothermal energy source "may" continue to be used. This should be necessary and confirmed, especially considering the amount of tree removal estimated to take place (approximated in "Table 5: Trees"). The geothermal source is also referenced in Table 2: Climate Considerations and Adaptations. It is stated in the last row of this table that, in regards to project construction, "Existing on-site geothermal panels will provide a portion of the sites energy usage." Please consider this being a requirement along with a minimum % goal for the length of construction. 6. 20a-b. Traffic studies. Additional signalized intersection should be included in the traffic study, as the majority of bottlenecking occurs in north and south directions: MN-47 & Bunker Lake Blvd // MN-47 & Pleasant St. Severe bottlenecks occur in both AM and PM rush periods which would be further exacerbated by an additional 113-168 trips estimated in "Table 7: Trip Generation Forecast." I also feel that this table underestimates the potential effects the additional vehicle flow will cause at the CSAH 5 & Lord of Life Access intersection, namely during AM and Sunday peak hours, requiring left-hand turns onto CSAH 5 from the Lord of Life Access into often relentless eastbound traffic.	5. Comment noted. Aspects of the site plan may change as the project develops. 6. Comment noted. Study intersections were determined based on conversations with the City.

3. Conclusions

1. All requirements for environmental review of the proposed project have been met.
2. The EAW and the permit development processes related to the project have generated information that is adequate to determine whether the project has the potential for significant environmental effects.
3. Areas where potential environmental effects have been identified will be addressed during the final design of the project. Mitigation will be provided where impacts are expected to result from project construction, operation, or maintenance. Mitigation measures are incorporated into project design and have been or will be coordinated with state and federal agencies during the permit process.
4. Based on the criteria in Minnesota Rules, part 4410.1700, the project does not have the potential for significant environmental effects.
5. An environmental impact statement is not required for the proposed project.

For the City of Ramsey

_____	_____
Mark E. Kuzma, Mayor	Brian Hagen, City Administrator

Attachment A. Comment Letters

August 29, 2023

Todd Larson, Planning Manager
City of Ramsey
2823 Hamline Avenue North
Ramsey, MN 55113

RE: **Environmental Assessment Worksheet (EAW) – Haviland Fields**
Metropolitan Council Review File No. 22890-1
Metropolitan Council District No. 9

Dear Todd Larson:

Council staff reviewed the environmental assessment worksheet (EAW) for the Haviland Fields project. The proposal involves an anticipated development consisting of 22 townhomes and three multifamily residential buildings located between MN Highway 47 and County Rd 5 in the city of Ramsey.

Staff finds this EAW to be incomplete. Consequently, we are unable to determine at this time whether the project is in conformity with regional system plans and whether an EIS may be needed. As the RGU, if the City finds the missing information is not critical to the EIS need decision, in its record of decision, the City can describe the missing information and how it will be obtained and used. The City can also withdraw and republish the EAW with the missing data, or issue a supplemental EAW to address the missing data.

Incomplete Items

Item 12 – Water Resources (John Clark, MCES 651-602-1452)
The Haviland Fields EAW for the city of Ramsey appears incomplete. The following is needed before an EIS determination is made.

The EAW does not include information under the water appropriation section regarding the water supply source. If connecting to the municipal system, please ensure the water demand for the development can be met and aligns with the Ramsey local water supply plan.

Please consider having the project proposer add supplemental information to the EAW that sufficiently addresses water supply.

Advisory Comments

Forecasts (Todd Graham, 651-602-1322)
The development proposal includes 498 housing units, mainly in multifamily buildings. This equates to one-quarter of the current decade growth forecasted in Ramsey. Council and City staff can discuss this at the time of the next comprehensive plan amendment.

Should this project advance, Transportation Analysis Zone allocations for Ramsey will need updates. The Haviland Fields site is the southern end of TAZ #54. The City anticipated minimal

growth in this area. The City's 2040 Plan expects TAZ #54 to gain 12 (twelve) households and no population during 2020-2040. These expectations will need revision to account for the proposed 498 households.

Housing (Olivia Boerschinger, 651-602-1327)
The City is currently inconsistent with the Council's *Housing Policy Plan*. The 2040 Plan provides insufficient land guided to address the City's share of the region's 2021-2030 need for affordable housing by 233 units. The proposed development in the EAW increases the City's inventory of land guided to support the development of low- and moderate-income housing. A comprehensive plan amendment has not been submitted for this development/change but will be needed. With the development proposed in the EAW, the Plan would guide approximately 35 acres of previously low density residential, to high density residential, such that 280 units could be built. This proposal would provide sufficient land guided for affordable housing and address the City's share of housing need. The proposed development does not specify if any units will be made affordable.

When the City submits a comprehensive plan amendment determined consistent with the *Housing Policy Plan,* eligibility for participation in Livable Communities Act (LCA) programs can be restored.

Item 10 – Transportation (Victoria Dan, Metro Transit 612-349-7648)
While it is true that there is no transit service currently operating within one mile of the site, the nearest park-and-ride facility is at Anoka Station approximately 2 miles away, providing access to Northstar Commuter Rail as well as suburban local Route 805.

Item 12 – Water Resources (John Clark, MCES 651-602-1452)
The project is adjacent to a city of Ramsey drinking water supply management area (DWSMA). Source water protection objectives and activities are outlined in the Ramsey Wellhead Protection Plan. The project would benefit by considering source water protection goals and strategies during the development and post-development activities on site.

The wetland within the project area is mapped as having a connection to underlying aquifers and is surrounded by sandy surficial deposits. Any contaminants that enter the ground on site may move relatively easily to the wetland and underlying groundwater system.

Two domestic wells have been identified on site. Sealing these wells according to MDH guidelines is essential to protect groundwater and water supplies. Additionally, two storage tanks are identified on site. The recommended Phase 2 subsurface investigation should be conducted. Tank removal and remediation would benefit nearby source waters.

The EAW mentions repurposing these wells for irrigation on site. This activity should be evaluated to determine if the wells are in condition to meet the irrigation demands. Potential impacts on the groundwater source and related connection to the nearby wetland should also be considered. To avoid the need for irrigated water from a groundwater source on site or from a treated municipal supply, on-site reuse options should be explored. Sites planted with native drought tolerant landscaping require less water and fertilizers than turfgrasses. In areas planted with turfgrasses, selecting low-input (water and nutrients) species will help to limit unnecessary water use and lower maintenance costs. If irrigation systems will be installed on-site, using smart irrigation controllers that are connected to soil moisture sensors and real-time weather data will help to ensure that water is used efficiently, helping to keep costs down and lessen stress on water resources.

If you have any questions or need further information with respect to these matters, please contact Eric Wojchik, Principal Reviewer, at 651-602-1330 or via email at eric.wojchik@metc.state.mn.us.

Sincerely,

Angela R. Torres, AICP, Senior Manager
Local Planning Assistance

CC: Tod Sherman, Development Reviews Coordinator, MnDOT - Metro Division
Stephanie Hanson, City of Ramsey
Diego Morales, Metropolitan Council District No. 9
Eric Wojchik, Sector Representative/Principal Reviewer
Reviews Coordinator
Paul Hanson, GIS

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From: Roos, Stephan (MDA)
To: Todd Larson
Subject: Haviland Fields EAW
Date: Tuesday, August 1, 2023 11:51:22 AM

Hi Todd,
Minnesota Department of Agriculture appreciates the opportunity to review and comment on the Haviland Fields EAW. After reviewing the document I have determined that this project will pose no impacts to agricultural lands or activities. We have no further comments.
Thank you,
Steve

Steve Roos
Environmental Planner
Energy and Environment Section
Agricultural Marketing and Development Division
Minnesota Department of Agriculture
625 Robert Street North
Saint Paul, MN 55155-2538
Ph: 651-201-6631 office

www.mda.state.mn.us

DEPARTMENT OF NATURAL RESOURCES

Division of Ecological and Water Resources
Region 3 Headquarters
1200 Warner Road
Saint Paul, MN 55106

Transmitted by Email

August 29, 2023

Todd Larson, Community Development
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

Dear Todd Larson,

Thank you for the opportunity to review the Haviland Fields Environmental Assessment Worksheet (EAW) located in Anoka County. The DNR respectfully submits the following comments for your consideration:

1. Page 14, Stormwater. The increase in impervious surfaces will also increase the amount of road salt used in the project area. Chloride released into groundwater as well as local lakes and streams does not break down, and instead accumulates in the environment, potentially reaching levels that are toxic to aquatic wildlife and plants. Consider promoting local business and city participation in the Smart Salting Training offered through the Minnesota Pollution Control Agency. There are a variety of classes available for road applicators, sidewalk applicators, and property managers. More information and resources can be found at this website. Many winter maintenance staff who have attended the Smart Salting training — both from cities and counties and from private companies — have used their knowledge to reduce salt use and save money for their organizations.

   We also encourage cities and counties to consider how they may participate in the Statewide Chloride Management Plan and provide public outreach to reduce the overuse of chloride. Here are some educational resources for residents as well as a sample ordinance regarding chloride use.

2. Page 14, Stormwater. We encourage the development to use weed-free, native seed mixes in landscaping and stormwater features to the greatest extent possible in order to provide pollinator and wildlife habitat.

3. Page 14, Stormwater. Please make sure that all required avoidance measures for the Blanding's turtle (state-threatened), are incorporated into the SWPPP and construction plans. This section should mention that only wildlife-friendly erosion control materials will be used.

4. Page 21, Rare Features. This section states that minimal tree removal will be required as part of the project, however, Table 3: Cover Types shows that the project proposes to remove over seven acres of trees, which is a large impact in such a developed area and near a river corridor. Even if significant trees are replaced, it will take decades for new trees to grow enough to provide the same ecological benefit. We strongly encourage the proposer to preserve as many trees as possible.

   We recommend that any revegetation plan for the site utilize native plants to the greatest degree possible. Please be aware that turf grass does not provide any ecological benefits and requires more maintenance, inputs, and irrigation than native species.

5. Page 21, Rare Species. This section states that no impacts to Blanding's turtles are anticipated because the project will not be impacting wetlands. That is incorrect since Blanding's turtles also use upland sites and can travel great distances. The EAW should identify which fact sheet recommendations the proposer is willing to commit to in addition to the required avoidance measures. The Blanding's turtle fact sheet contains several measures regarding wetland buffers, roads, utilities, and landscaping that are pertinent to this type of project. The DNR recommends a wider buffer than the proposed 16.5' wetland buffer as well as the use of surmountable curbs. Please also refer to the required avoidance measures for Blanding's turtle that were provided in the July 7, 2023 Natural Heritage letter and have been copied below:

   Blanding's turtles (*Emydoidea blandingii*), a state-listed threatened species, have been documented in the vicinity of the proposed project. Blanding's turtles use upland areas up to and over a mile distant from wetlands, waterbodies, and watercourses. Uplands are used for nesting, basking, periods of dormancy, and traveling between wetlands. Factors believed to contribute to the decline of this species include collisions with vehicles, wetland drainage and degradation, and the development of upland habitat. Any added mortality can be detrimental to populations of Blanding's turtles, as these turtles have a low reproduction rate that depends upon a high survival rate to maintain population levels.

   This project has the potential to impact this rare turtle through direct fatalities and habitat disturbance/destruction due to excavation, fill, and other construction activities associated with the project. Minnesota's Endangered Species Statute (*Minnesota Statutes*, section 84.0895) and associated Rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the take of threatened or endangered species without a permit. As such, **the following avoidance measures are required:**

   - Avoid wetland and aquatic impacts during hibernation season, between September 15th and April 15th, if the area is suitable for hibernation.
   - The use of erosion control blanket shall be limited to 'bio-netting' or 'natural-netting' types, and specifically not products containing plastic mesh netting or other plastic components.

- Also, be aware that hydro-mulch products may contain small synthetic (plastic) fibers to aid in their matrix strength. These loose fibers could potentially re-suspend and make their way into Public Waters. As such, please review mulch products and do not allow any materials with synthetic (plastic) fiber additives in areas that drain into Public Waters.
- Construction areas, especially aquatic or wetland areas, should be thoroughly checked for turtles before the use of heavy equipment or any ground disturbance.
    - The Blanding's turtle flyer must be given to all contractors working in the area.
    - Monitor for turtles during construction and report any sightings to the DNR Nongame Specialist, Erica Hoaglund (Erica.Hoaglund@state.mn.us).
    - If turtles are in imminent danger they must be moved by hand out of harm's way, otherwise, they are to be left undisturbed.

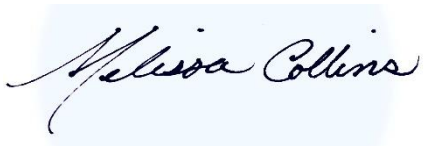
If following the above avoidance measures is not possible, please contact NHIS.Review@state.mn.us as further action may be needed.

For additional information, see the Blanding's turtle fact sheet, which describes the habitat use and life history of this species. The fact sheet also provides two lists of recommendations for avoiding and minimizing impacts to this rare turtle. **Please refer to both lists of recommendations and apply those that are relevant to your project.** For further assistance regarding the Blanding's turtle, please contact the DNR Regional Nongame Specialist, Erica Hoaglund.

6. Page 22, Visual. Given the proximity to a river corridor, development lighting is an important consideration. Animals depend on the daily cycle of light and dark for behaviors such as hunting, migrating, sleeping, and protection from predators. Light pollution can affect their sensitivity to the night environment and alter their activities. In addition to the undesirable effects of upward facing lighting, the hue of lights can also affect wildlife. LED lighting has become increasingly popular due to its efficiency and long lifespan. However, these bright lights tend to emit blue light, which can be harmful to birds, insects, and fish. The DNR recommends that any projects using LED luminaries follow the MnDOT Approved Products for luminaries, which limits the uplight rating to 0, and the maximum nominal color temperature to 4000K.

Thank you again for the opportunity to review this document, and please let me know if you have any questions.

Sincerely,



Melissa Collins

Regional Environmental Assessment Ecologist | Ecological and Water Resources
Minnesota Department of Natural Resources
1200 Warner Road
St. Paul, MN 55106
Phone: 651-259-5755
Email: melissa.collins@state.mn.us

CC: Sam Jagodzinski, Senior Housing Partners

Equal Opportunity Employer

DEPARTMENT OF TRANSPORTATION

Metropolitan District
1500 County Road B-2 West
Roseville, MN 55113

August 31, 2023

Todd Larson
Planning Manager
7550 Sunwood Dr. NW
Ramsey, MN 55303

SUBJECT: Haviland Fields EAW
MnDOT Review #EAW23-006
NNW quadrant of MN 47 and Nowthen Blvd/CH 5
Ramsey, Anoka County

Dear Todd Larson,

Thank you for the opportunity to review the Haviland Fields EAW. Please note that MnDOT's review of this EAW does not constitute approval of a regional traffic analysis and is not a specific approval for access or new roadway improvements. As plans are refined, we would like the opportunity to coordinate with our partners and to review the updated information. MnDOT's staff has reviewed the document and has the following comments:

Right of Way
The residential driveway connecting to MN 47 should be removed early in the construction process and should not be used for construction vehicle use.

Please contact Mike Lynch, Metro Right of Way, at 651-234-7558 or Mike.lynch@state.mn.us with any questions.

Pedestrian and Bicycle
Currently there is a trail running NW, on the north side of CR 5, from the intersection of MN 47 and CR 5. There is also a trail running N/S on the east side of MN 47. MnDOT will be completing a mill and overlay of this section of MN 47 in 2028. Some trail connections and crossings will change at that time. As part of this project, MnDOT will be removing the pedestrian crossing on the south leg of the MN 47/CR 5 intersection. There are no destinations or sidepath in the SW quadrant, and the channelized right turn is hazardous to pedestrians without a clear destination.

MnDOT suggests the developer work with the county to install a pedestrian crossing across CR 5 to Iodine St NW to provide access to the trail. MnDOT recommends the developer ensure that the both the sidewalk ramps on the driveways and the ramps for the internal crosswalk through the parking lot meet American with Disabilities Act (ADA) standards. We also advise that the internal crosswalk and sidewalks around the building should maintain a Pedestrian Access Route (PAR) of at least 4 feet in width. Standard plans are available on MnDOT's ADA page here: http://dot.state.mn.us/ada/design.html. We also strongly recommend raising the street level to meet major trail crossings so that the trails remain level for their users and vehicles have extra reinforcement for giving pedestrian and cyclists the right of way.

Please contact Sara Dunlap, Pedestrian, Bicycle and ADA Planning, at sara.dunlap@state..mn.us or 651-234-7725 with any questions.

Traffic

This project will likely add stress to the MN 47/CR 5 intersection. This intersection is already in disrepair and has an acceleration lane to SB MN 47 that backs up the morning rush hour. This intersection should be monitored closely once the development approaches or reaches build conditions.

Please contact Danial Backsen, Anoka Truck Station Supervisor, at 763-279-4050 or danial.backsen@state.mn.us with any questions.

The 2028 mill and overlay project will also put fiber and cameras in place to monitor this intersection.

Please contact Ashley Hansen, North Area Traffic Safety, at 651-234-7815 or ashley.hansen@state.mn.us with any questions.

Water Resources

A MnDOT drainage permit is required before development occurs. The permit applicant shall demonstrate that the off-site runoff entering MnDOT drainage system(s) and/or right of way will not increase. The drainage permit application, including the information below, should be submitted online to: https://olpa.dot.state.mn.us/OLPA/. Please upload this letter with the drainage permit application.

The following information must be submitted with the drainage permit application:

1. Grading plans, drainage plans, and hydraulic calculations demonstrating that proposed flows to MnDOT right of way remain the same as existing conditions or are reduced.
2. Existing and proposed drainage area maps with flow arrows and labeling that corresponds with the submitted calculations.
3. Hydro CAD model and PDF of output for the 2, 10, and 100-year Atlas 14 storm events.

Once a drainage permit application is submitted, a thorough review will be completed and additional information may be requested. Please contact Jason Swenson, Water Resources Engineering, at 651-234-7539 or jason.swenson@state.mn.us with any questions.

Please contact Jason Swenson, Water Resources Engineering, at jason.swenson@state.mn.us or 651-234-7539 or with any questions.

Noise

MnDOT's policy is to assist local governments in promoting compatibility between land use and highways. Residential uses adjacent to highways often result in complaints about traffic noise. Traffic noise from this highway could exceed noise standards established by the Minnesota Pollution Control Agency (MPCA), the U.S. Department of Housing and Urban Development, and the U.S. Department of Transportation. Minnesota Rule 7030.0030 states that municipalities with the authority to regulate land use shall take all reasonable measures to prevent the establishment of land use activities, listed in the MPCA's Noise Area Classification (NAC), anywhere that the establishment of the land use would result in immediate violations of established State noise standards.

MnDOT policy regarding development adjacent to existing highways prohibits the expenditure of highway funds for noise mitigation measures in such developed areas. The project proposer is required to assess the existing noise situation and take the action deemed necessary to minimize the impact to the proposed development from any highway noise.

If you have any questions regarding MnDOT's noise policy, please contact Natalie Ries in Metro District's Noise and Air Quality Unit at 651-234-7681 or natalie.ries@state.mn.us.

Permits

Any other work that affects MnDOT right of way will require an appropriate permit. All permits are available and should be submitted at: https://olpa.dot.state.mn.us/OLPA/. Please upload this letter when applying for any permits.

For questions regarding permit submittal requirements, please contact Buck Craig of MnDOT's Metro District Permits Section at 651-775-0405 (cell) or buck.craig@state.mn.us.

Review Submittal Options

MnDOT's goal is to complete reviews within 30 calendar days. Review materials received electronically can be processed more rapidly. Do not submit files via a cloud service or SharePoint link. In order of preference, review materials may be submitted as:

1. Email documents and plans in PDF format to metrodevreviews.dot@state.mn.us. Attachments may not exceed 20 megabytes per email. Documents can be zipped as well. If multiple emails are necessary, number each message.
2. For files over 20 megabytes, upload the PDF file(s) to MnDOT's Web Transfer Client site: https://mft.dot.state.mn.us. Contact MnDOT Planning development review staff using the same email above for uploading instructions, and send an email listing the file name(s) after the document(s) has/have been uploaded.

You are welcome to contact me at david.kratz@state.mn.us (preferred), or 651-234-7792 with any questions.

Sincerely,

David Kratz
Principal Planner

Copy sent via email:

Jason Swenson, Water Resources
Buck Craig, Permits
Mike Lynch, Right of Way
Brandi Kastner, Traffic

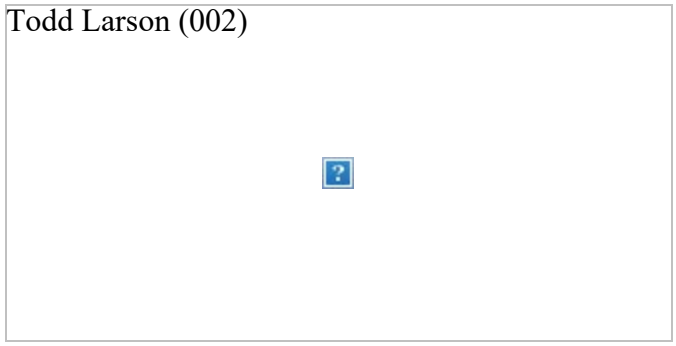
Ashley Hansen, Traffic
Natalie Ries, Noise
Mike Kronzer, Area Engineer
Michael Kowski, Maintenance
Danial Backsen, Maintenance
Sara Dunlap, Ped/Bike/ADA Planning
Tod Sherman, Planning
Cameron Muhic, Planning
Joseph Widing, Metropolitan Council

From: Brandon Folta
To: Todd Larson
Subject: Haviland fields
Date: Tuesday, August 1, 2023 8:18:08 PM

As a resident of Ramsey I am sick and tired of all the townhouses and apartments being put up in the city leave the city alone !! We are loosing the country feel!!
Sent from my iPhone

From: David Drake
To: Todd Larson
Subject: Re: address
Date: Thursday, August 3, 2023 3:05:19 PM
Attachments: image001.png
image001.png

On Thu, Aug 3, 2023, 2:59 PM Todd Larson <tlarson@ci.ramsey.mn.us> wrote:

> Thank you David,
>
> Can you please provide your address for the public record?
>
> Thanks,
>
> Todd
>
> Todd Larson (002)
>
> 
>
> My address is 14401 Noethen Blvd nw, Ramsey, Mn
>
> **From:** David Drake <dsdrake042@gmail.com>
> **Sent:** Thursday, August 3, 2023 1:39 PM
> **To:** Todd Larson <tlarson@ci.ramsey.mn.us>
> **Subject:**
>
> I have looked at the info from Havilland Fields & disagree with the report on page 28 to30, concerning the entrance into this new building from co. rd 5 (church property). The LOS data on traffic flow at A. This fine for 2023 but not for 2027. The LOS for the latter date is also A, which I believe is a gross error. It should be either C or D. I currently live at Stoney

River & see the actual traffic every AM & know that the real traffic loads as shown on the data report can't be correct. I request that more info be obtained at this intersection. Thank you. DD

From: Alexandria St John
To: Todd Larson
Subject: Strong Objection to Development of Lord of Life Property
Date: Tuesday, August 1, 2023 8:40:40 PM

Dear Mr Larson

I am writing to express my vehement objection to the proposed development of the Lord of Life property in our community. As a concerned resident, I feel compelled to outline the potential devastating impact this development could have on our surrounding communities, families, and neighbors.

First and foremost, the increase in traffic, landscape alterations, and population growth resulting from this development will undoubtedly disrupt the peaceful and safe environment that we currently enjoy. The influx of additional vehicles will lead to congestion, making it harder for residents to commute and risking the safety of pedestrians, especially children and elderly individuals.

Furthermore, the proposed development does not seem to align with the recent developments in surrounding communities, which have not shown a need for such expansion. Instead, it appears to be driven by developers' interests without considering the genuine needs and desires of the families in our community.

Speaking of which, I want to emphasize that the families in our neighborhood do not want this development. Many of the residents have made their voices heard in various forums, expressing their strong opposition to this project. It is crucial to respect the wishes of the community members who will be directly affected by this development.

The potential consequences of this development extend beyond mere inconvenience; it has the potential to push the area to be overpopulated, leading to the displacement of many long-standing residents. Moreover, our already burdened schools would be overwhelmed by the influx of new students, making it challenging for them to provide quality education.

Another grave concern is the increase in crime that often accompanies rapid urbanization and population growth. The introduction of a large development like this can bring in outsiders and transient populations, leading to potential security risks and jeopardizing the safety of our families.

In light of these numerous and compelling reasons, I urge you to reconsider the approval of the development of the Lord of Life property. Instead, let us focus on fostering sustainable growth that respects the needs and wishes of the community and preserves the safety, serenity, and well-being of our neighborhood.

Thank you for considering my objections. I hope that you will carefully weigh the consequences of this development on the surrounding communities before making any decisions.

Sincerely,

One of Many.

July 28, 2023

City of Ramsey
Attn: Todd Larson, Planning Manager
7550 Sunwood Dr NW
Ramsey, MN 55303

Re: Haviland Fields EAW

To Whom it May Concern:

Minnesota Rule 4410.1100 requires that EAWs shall address "known government approvals, reviews, *or financing required, applied for, or anticipated* and the status of any applications made, including permit conditions that may have been ordered or are being considered". Additionally, page 8 of the EAW states that the applicant is supposed to list "all direct and indirect forms of public financial assistance including bond guarantees, Tax Increment Financing, and infrastructure".

Despite these requirements, the Haviland Fields EAW makes no reference to and does not address the Business Assistance Application for Tax Increment Financing (TIF) made to the City of Ramsey and reviewed by the City of Ramsey Economic Development Authority at their July 13, 2023 meeting.

Therefore, the Haviland Fields EAW does not meet the EAW Content requirements established by Minnesota Rule 4410.1100 and should not have been distributed for public comment as it contains insufficient information to adequately be reviewed by residents of the community. The City Council should find the EAW insufficient and require an additional public comment period once the required information on public financing is included within the EAW.

Sincerely,

Ramsey Resident

Haviland Fields EAW Comments:

- In what ways will stormwater management facilities be designed to reduce the risks of flooding?
- Currently the EAW shows that no trees will be planted, however, wouldn't the City of Ramsey require a certain number of trees to be replanted at a minimum? If so, how many trees would that be?
- The EAW indicates that a comprehensive plan amendment, as well as various other applications, would be applied for if needed. Isn't the applicant or the City of Ramsey aware of what applications are needed at this time? Since a site plan has already been submitted for review along with the application for business assistance it seems like the City of Ramsey and the applicant should have at least some idea of what permits are required for the project, such as a comprehensive plan amendment, and that information should have been included within the EAW.
- Section 14.C. states that there will be minimal tree removal, however, the EAW indicates that 7.37 acres of wooded/forested acres will be removed constituting over half of the trees on the site. How is this minimal tree removal?
- Section 18.b.ii indicates that the project will develop a travel demand management plan to reduce use of single occupancy motor vehicles, and increase walking, bicycling, and transit as primary modes of travel to reduce GHG emissions from mobile sources. How will this be developed, given the limited transit in the community and limited suitable weather to bike and walk? The EAW itself states that no transit facilities are within 1 mile of the project, so is the project proposing to create their own transit network and facilities? Say, to link their project with the nearest MetroTransit bus stop or train station via their own private bus service?
- Is the plan for the residential areas to utilize the church parking lot?
- CSAH 5 & Iodine St level of service starts at E in the PM for existing year 2023 but then goes to A in opening year no build and D in opening year 2027. The text does not indicate any changes to this intersection, so if the project isn't built how would the level of service improve from E to A as the traffic analysis suggests?
- On page 7, the EAW states that based on the "land surface temperate" at the project site during a heatwave in 2016 the site is susceptible to extreme heat. Won't removal of 59.4% of the tree canopy and no additional plantings contribute to the urban heat island effect and/or make the site a less desirable place to live?
- There are lots of conflicting statements throughout the EAW that indicate that natural resources will be preserved, however in reality the majority of natural resources are going to be impacted and/or removed as part of the project.
- On page 9 the EAW indicates that a "Residential New Townhouse Unit" as a type of application. What is a "Residential New Townhome Unit Application"?

Todd,

My name is Ben Flake, I live on Fluorine Street with me wife and four small children. We were originally under the impression that there would be no buildings next to our property. However, we were disappointed to see that in the recent Haviland Fields proposal, the townhomes would back up to our house. If the project moves forward we would feel much more comfortable if they installed a barrier between our property and the townhomes. Whether that barrier be a fence or a green barrier made up of plants like white pines and shrubs. I believe most the neighbors would agree with the installation of a barrier.

Thanks,
Ben Flake

Hi Todd,

My name is Rick Bailey and I live @ 5021 Xkimo Ct. Nw., on the east side of 47 across from Stoney River and Lord of Life. From the letter we received it mentioned to direct questions and comments to you regarding the Haviland Fields proposed development.

My primary concerns with such a large development are regarding noise levels. The noise pollution that would result alone from the increase in traffic is part of it (as 47 and 5 are already heavily congested) and noise levels are high, and equally important/of concern is traffic noise deflecting off of the buildings and into our neighborhoods. For example, when Stoney River was built, it unfortunately brought quite a bit of additional noise into our neighborhood as there is no existing noise wall in place.

My related question is if the development is approved to proceed, will there be/can there be a requirement to build a noise wall on the east side of 47, to protect the existing neighborhoods? I'm also cc'ing a few of my neighbors in our cul-de-sac so they can hear any updates/information and Deb Musgrove who is familiar with our existing noise concerns.

Thank you~

Rick

Todd, I apologize for the last minute start here as my month has not been predictable.
I have a few observations after reading through the EAW, but my first one regards to 6d on pg3. Sources and detailed information are plentiful throughout the document, but all this subsection states is that the project aims to address the housing needs in Ramsey. What set of research and sources is this goal utilizing? What are the referenced housing needs of Ramsey?

I'll gather my observations when I get home today, but I wanted to get this one out as it's the most prevelant to the project itself.

Thanks!

14c. This section states “Minimal tree remove will be required as part of the project.” However, this is contradicted in “Table 5: Trees” where number of trees to be removed is approximated at 964 trees, or 59.4% of existing trees in the project area. “Minimal” needs a set definition as it pertains to this document. Additional tree cover will only reduce the short- and long-term negative impact of the GHG effect, especially with so much additional asphalt surface being added in the project site. Please place significant consideration and effort into maintaining as much existing tree cover as possible.

Along with the approximated amount of tree removal, maintaining a wall of wooded tree cover between the project area and the south side of Birch Hill Lodges’ southeastern most side street would greatly benefit the existing townhome community by combatting noise pollution (both during and after the project) and heat from the nearly doubling of nearby asphalt surface, as well as reducing the projected tree removal. Please seriously consider incorporating a portion of this existing wooded wall into the north edge building setback, as well as adding a similar wooded buffer on the adjacent side street also bordering the north edge of the project site. It would also promote additional privacy for both the existing townhomes and the potential new townhomes.

Ideally, the described existing wooded area would prove beneficial and resourceful if trails are being considered as a part of this project. Why not leave the tree cover there and only clear what is needed to construct a path? Additionally, allowing those trees to remain untouched would greatly benefit the endangered Northern Long-eared Bat and the proposed-endangered Tricolored Bat. The DNR’s listed protections and actions concerning the threatened/endangered/proposed-endangered species don’t actually seem to be stipulating much protection of their existing homes, albeit not officially designated “critical habitats.” (Appendix C, pg 1-4 plus succeeding detailed pages.)

18b. and 7b.
The Geothermal energy source “may” continue to be used. This should be necessary and confirmed, especially considering the amount of tree removal estimated to take place (approximated in “Table 5: Trees”). The geothermal source is also referenced in Table 2: Climate Considerations and Adaptations. It is stated in the last row of this table that, in regards to project construction, “Existing on-site geothermal panels will provide a portion of the sites energy usage.” Please consider this being a requirement along with a minimum % goal for the length of construction.

20a-b. Traffic studies.
Additional signalized intersection should be included in the traffic study, as the majority of bottlenecking occurs in north and south directions: MN-47 & Bunker Lake Blvd // MN-47 & Pleasant St. Severe bottlenecks occur in both AM and PM rush periods which would be further exacerbated by an additional 113-168 trips estimated in “Table 7: Trip Generation Forecast.” I also feel that this table underestimates the potential effects the additional vehicle flow will cause at the CSAH 5 & Lord of Life Access intersection, namely during AM and Sunday peak hours, requiring left-hand turns onto CSAH 5 from the Lord of Life Access into often relentless eastbound traffic.

Logan Hart Lewis
14661 Cobalt St NW Unit 27

News Release

July 25th, 2023

Contact:

Todd Larson
Planning Manager | City of Ramsey
(763) 433-9821
tlarson@cityoframsey.com

Notice of Availability for Haviland Fields Environmental Assessment Worksheet (EAW)

Ramsey, Minn. – As the Responsible Governmental Unit (RGU), the City of Ramsey has prepared an Environmental Assessment Worksheet (EAW) for the Haviland Fields residential development. The notice of document availability will be published in the *EQB Monitor* on August 1, 2023.

The Haviland Fields development is located on an approximately 35-acre site at 14501 Nowthen Blvd NW, Ramsey MN. The proposed project will include 22 townhouse units and 3 multifamily residential buildings with 476 total units. The development will also include stormwater management areas and preserved green space.

The EAW can be accessed electronically on the City of Ramsey's website at:

www.ci.ramsey.mn.us/989/Haviland-Fields

The City will accept public comments on the EAW through August 31, 2023 at 4:00 PM, directed to:

Todd Larson, Planning Manager | City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303
tlarson@cityoframsey.com

CC Regular Session

Meeting Date: 09/26/2023

Primary Strategic Plan Initiative: Identify and implement operational efficiencies, cost savings and additional funding sources.

Information

Title

Adopt Resolution #23-234 to Enter into a Residential Recycling Program Agreement with Anoka County - **Please Note:** this case was moved from the Consent Agenda - Case 5.24 - to the regular agenda - Case 7.5.

Purpose/Background:

Each year, Anoka County receives funding from the State of Minnesota pursuant to Minnesota Statute § 115A.557. The County distributes these funds, known as SCORE (Select Committee On Recycling and the Environment) funds, to municipalities within the county. In 2024, the allocation includes a base of $10,000 plus $5.00 per household. Ramsey's base allocation for 2024 is up to $59,625. There are also additional grant funding categories that include: (1) Drop-off, (2) General Enhancement, (3) Organics, (4) Supplemental Funding (to help support waste abatement programs or program development), and (5) Labor and Staffing.

The funding is intended to help municipalities achieve their recycling goals as established by the Anoka County Board of Commissioners. Ramsey's 2024 recycling goal, established by Anoka County, is 3,100 tons. The goal is based on 225 pounds per person (single family households, up to four [4] units) and 150 pounds per person for multi-tenant households (five [5] or more units). The City of Ramsey has traditionally used these funds to promote recycling and waste reduction education and awareness, notifying new residents of the recycling program components, to offset costs of the spring and fall recycling day events and other collection events/opportunities, and to fund the recycling coordinator position, whose duties are a component of the Senior Planner position.

To receive the SCORE funding, each municipality must enter into an agreement with Anoka County that outlines required components of a municipality's recycling program. These required components include providing households with an opportunity to recycle at least four (4) broad types of materials, a public information program, recycling drop-off opportunities, and notifying new residents of the recycling program. Furthermore, municipalities are encouraged, but not required, to look at opportunities to expand their recycling program by offering additional drop-off events, enhancing recycling at community events, enhancing multi-family recycling opportunities, and/or developing opportunities for source separated organics collection.

Observations/Alternatives:

Ramsey's tonnage goal for 2024 is 3,100 tons, which represents an increase of 125 tons compared to the 2023 goal. The increase is not surprising. Since 2019, tonnage goals have generally increased year over year, with the exception of 2021 to 2022, when it remained static at 2,858 tons. The generally steady increase in tonnage goals over the past several years reflects the County's attempt to achieve the very optimistic benchmark goal, set by the state of Minnesota, of recycling 75% of total solid waste generated (by weight) by 2030.

There have been growing challenges related to recycling over the past several years. First, China implemented very restrictive thresholds for contaminants in bales of recycled materials, which significantly impacted exporting recyclables overseas. Secondly, the fluctuations in the recycling markets have also brought into question what is truly recyclable. At this time, items such as black plastic frozen dinner trays, freezer boxes, and fiber egg cartons, should not be put in the recycling cart as there is no longer a market for these materials (this is a change from past years).

Due to the day to day changes in the recycling world, there needs to be a greater emphasis on the basic tenets of recycling, which would be to focus on fiber (paper and cardboard), aluminum and steel/tin cans, glass, and plastic containers, tubs, bottles and lids that have a #1 or #2 stamped on them (essentially back to the basics of recycling).

Education continues to be important to avoid the 'wish-cycling' mentality. Wish-cycling is the thought (or hope) that by placing a material or product in the recycling cart, somebody will find a way to recycle it. This is leading to excessive contamination of the recycling stream. The recycling motto has now shifted to 'when in doubt, throw it out'.

Staff experimented with a 'curbside recycling event' for bulky items (e.g. appliances, electronics, mattresses) in July of 2023. This seemed to be well received by the community as ninety-five (95) households utilized the program this year. Staff does intend to offer this same style of event in 2024.

Alternatives

Alternative 1: Enter into the Residential Recycling Agreement to receive $69,350.00 in SCORE funds from Anoka County. The funds will assist the City with efforts to meet the 2024 tonnage goal established by Anoka County. Staff supports this alternative.

Alternative 2: Do not enter into the Residential Recycling Agreement with the County. By not executing this agreement with the County, the City would not receive any SCORE funding for 2024. A portion of the Senior Planner position is funded through this allocation (duties related to managing the recycling program), as are all recycling related activities, including the spring and fall recycling events. Staff does not support this option.

Funding Source:

Ramsey's recycling program and related staff time are funded with SCORE funds received from Anoka County annually and recorded under the Recycling Enterprise Fund.

Recommendation:

Staff recommends adopting Resolution #23-234 authorizing the Mayor and City Administrator, on behalf of the City, to sign the Agreement for Residential Recycling Program with Anoka County.

Action:

Motion to adopt Resolution #23-234 to enter into a Residential Recycling Agreement with Anoka County to receive SCORE funds for 2024.

Attachments

Recycling Agreement
Resolution #23-234

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	09/21/2023 11:14 AM
Form Started By: Chris Anderson		Started On: 09/19/2023 01:07 PM
Final Approval Date: 09/27/2023		

DocuSign Envelope ID: E1227292-CABD-4035-9075-56C5CB154254

Anoka County
HUMAN SERVICES DIVISION
Community Social Services and Behavioral Health

September 14, 2023

City of Ramsey
Attn: Mark Kuzma
7550 Sunwood Drive NW
Ramsey, MN 55303

Dear Mr. Kuzma:

Enclosed is your 2024 contract with Anoka County. Please review the contract and complete the signature portion using DocuSign. If applicable and ready, please attach the necessary insurance information using the attachment link in the DocuSign document. If insurance is not ready and you will be sending this information at a later date, please send to:

Angela.Rodine@co.anoka.mn.us **or**

Angie Rodine
County of Anoka
2100 3rd Avenue, 5th Floor
Anoka, MN 55303

PLEASE NOTE: The following information is required as part of your contract. If the contract is signed and executed without receiving this information in a timely manner, it may be referred to the County Attorney's Office for possible Breach of Contract and/or payments may be withheld until information is received.

CERTIFICATE OF LIABILITY INSURANCE - Required
No insurance information is required for this contract.

CONTRACTOR INFORMATION SHEET - Required
Please update/complete and sign this page and return with your contract.

DocuSign will automatically forward a copy of the signed contract to you, once completed. If you have questions regarding the contract, please call your Contract Manager, Sue Doll, at 763-324-3482.

Sincerely,

Angie Rodine

Angie Rodine
Administrative Assistant, Planning and Operations Support Services

DocuSign Envelope ID: E1227292-CABD-4035-9075-56C5CB154254

Anoka County Contract # C0010120

2024 AGREEMENT FOR RESIDENTIAL RECYCLING PROGRAM

THIS AGREEMENT made and entered into on the 1st day of January 2024, notwithstanding the date of the signatures of the parties, between the COUNTY OF ANOKA, State of Minnesota, hereinafter referred to as the "COUNTY", and the CITY OF RAMSEY, hereinafter referred to as the "MUNICIPALITY".

WITNESSETH:

WHEREAS, the County will receive funding from the State of Minnesota pursuant to Minn. Stat. § 115A.557, the Select Committee on Recycling and the Environment (hereinafter "SCORE funds") during 2024 which must be used to encourage and improve recycling and a portion must be specifically directed to recycling source -separated compostable materials; and

WHEREAS, the County will also receive funding pursuant to Minn. Stat. § 473.8441, Local Recycling Development Grants (hereinafter "LRDG funds") during 2024; and

WHEREAS, the County also has additional budgeted program funding available to supplement SCORE and LRDG funds for solid waste recycling programs, so that the available amount for the Residential Recycling Program is $1,611,188.00; and

WHEREAS, the County Solid Waste Management Master Plan 2018 (Master Plan 2018) and the Minnesota Pollution Control Agency (hereinafter "MPCA") Metropolitan Solid Waste Management Policy Plan 2016-2036 state that MSW generated in the County that is not reused, recycled, or composted, will be processed to the extent that processing capacity is available; and

WHEREAS, the Master Plan 2018 was developed with the participation of a representative from the Municipality staff, and the Municipality is required to develop and implement programs, practices, or methods designed to meet waste abatement goals by Minn. Stat. § 115A.551, Subd 2a. (b).; and

WHEREAS, the County wishes to assist the Municipality in meeting recycling goals established by Anoka County by providing said SCORE, LRDG, and County budgeted program funds to cities and townships in the County for solid waste recycling programs.

NOW, THEREFORE, in consideration of the mutual covenants and promises contained in this Agreement, the parties mutually agree to the following terms and conditions:

1. **PURPOSE AND CONTRACT DOCUMENTS.** The purpose of this Agreement is to provide for cooperation between the County and the Municipality to implement solid waste recycling programs in the Municipality which will help the County and member municipalities meet the goals set in the current Anoka County Solid Waste Management Master Plan. The County and the Municipality agree that the information provided in the recitals above is to be incorporated into the purpose of this agreement.

   The Anoka County Municipal Waste Abatement Grant Program (hereinafter "Grant Program") Contract Documents include: the **Anoka County Municipal Waste**

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Abatement Grant Funding Application submitted by the Municipality for the current contract year, and the **Grant Funding Award** issued by Anoka County for the current contract year. These documents are incorporated into this agreement by reference and are components of the entire contract package. The order of precedence of these documents in the event of inconsistency or ambiguity shall be resolved in the following order: 1) this **Agreement for Residential Recycling Program;** 2) **Grant Funding Award**; and 3) **Anoka County Municipal Waste Abatement Grant Funding Application.**

2. **TERM.** The term of this Agreement is from January 1, 2024, through December 31, 2024, unless earlier terminated as provided herein.

3. **DEFINITIONS.** Defined terms contained in this Agreement and all the attachments are found in Minn. Stat. § 115A.03; 115A.471; and 115A.552. The use of capitalization for defined terms has no special effect. Additionally:

   a. "Full-Service Recycling Drop-off Center" means centralized permanent drop-off center that is open at least two times a week and accepts at least four types of materials beyond traditional curbside recyclables, i.e.: mattresses, appliances, scrap metal, furniture, source-separated compostable materials, electronics, etc.

   b. "Multi-family dwellings" means households within apartment complexes, condominiums, townhomes, mobile homes, and senior housing complexes.

   c. "Community Partner" means community festivals which appear to the public to be supported and run by the Municipality but in fact are sponsored or co-sponsored by a municipality or an independent non-profit 501c (3) organization, for example: the Anoka Halloween Parade.

4. **ELIGIBILITY FOR FUNDS.** Per Minn. Stat. § 115A.557, Subd. 1, funding eligibility is based primarily on population, with a minimum funding floor. For 2024, the County has determined that funding will be determined by the Grant Program funding application. The Municipality is entitled to receive reimbursement for eligible expenses, less revenues or other reimbursement received, for eligible activities up to the project maximum, which shall not exceed $69,350.00. The Municipality shall be provided documentation of the funding award determination and rationale as indicated by the approved 2024 Grant Program Funding Application.

   The County reserves the right to assess reimbursement reporting status for each municipality mid-year and recommend funding adjustments as determined by the County Program Specialist managing the Grant Program.

   The County also reserves the right to withdraw reimbursement of approved expenses if the requirements noted in section 6. of this contract are not met.

   The County also reserves the ability to assess the programs and reallocate unused SCORE and/or, LRDG funds mid-year if any participating municipality demonstrates the need for the funding and funds are available. The Municipality shall be provided documentation of the Grant Program funding award determination and rationale as indicated by the 2024 Grant Program Funding Award.

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5. **PROGRAM.** The Municipality shall develop and implement a residential solid waste recycling program adequate to meet the Municipality's annual recycling goal of 3,100 tons of recyclable and source-separated compostable materials as established by the County. The Municipality shall ensure that the recyclable materials collected are delivered to processors or end markets for recycling or composting.

   a. The Municipal recycling program shall include the following components:

      i. Per Minn. Stat. § 115A.552, each household (including both single and Multi-family dwellings) in the Municipality shall have the Opportunity to Recycle at least four broad types of materials, including but not limited to, paper (including cardboard/paperboard cartons), glass, plastic, and metal.

      ii. The recycling (including any organics) program shall be operated in compliance with all applicable federal, state, and local laws, ordinances, rules, and regulations.

      iii. The Municipality shall implement a public information program that contains at least one of the following components:

         (1) One promotional mailing to each household focused exclusively on the Municipality's recycling and source-separated compostable materials program;

         (2) One promotional advertisement detailing recycling and source-separated compostable materials opportunities available for residents included in the Municipality's newsletter or local newspaper; or

         (3) Two community outreach activities at Municipal or Community Partner events to inform residents about recycling and source-separated compostable materials opportunities.

      iv. The public information components listed above shall focus on all recyclable materials and the various opportunities to recycle and compost source-separated compostable materials within the Municipality. The Municipality shall incorporate County/regional/State campaigns and images and use the toolkits provided by the County when preparing promotional materials. The Municipality, on an ongoing basis, shall identify new residents and provide detailed information on the recycling opportunities available to these new residents. The County shall work with the Municipality on promotional materials to coordinate messages. The Municipality shall provide promotional materials to the County for review prior to publication to ensure accuracy.

      v. The Municipality shall offer a minimum of one spring or fall recycling drop-off event where items not normally accepted at the curb are collected for recycling. If the Municipality is hosting a monthly drop-off as described below, the spring/fall recycling drop-off events may be included within that program.

   b. The Municipality is encouraged to expand its recycling program to include one or more of the following components in order to receive additional funding.

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i. Organize monthly/quarterly recycling drop-off events which can be held in conjunction with a neighboring municipality(ies) on a cooperative basis for the citizens of both/all municipalities.

ii. Provide a community event recycling program, which at a minimum would consist of providing recycling opportunities at all Municipal sponsored or Community Partner events and festivals as required by Minn. Stat. § 115A.151. The feasibility of adding source-separated compostable material collection at the event will be explored, and if feasible, implemented as an enhancement to the waste abatement program.

iii. Provide the opportunity for citizens to engage in recycling activities at Municipal and Community Partner facilities as required by Minn. Stat. § 115A.151 such as athletic fields and public centers.

iv. Organize and manage a Full-Service Recycling Drop-off Center.

v. Implement enhanced recycling promotion and assistance for Multi-family dwellings.

vi. Develop additional opportunities for source-separated compostable materials collection.

vii. Develop and implement additional opportunities to recycle bulky and problem materials (e.g., appliances, batteries, electronics, fluorescent lamps, mattresses, oil, scrap metal, etc.) from residents on an on-going basis either curbside or at a drop-off.

c. If the Municipality's recycling program did not achieve the Municipality's recycling goals as established by the County for the prior calendar year, the Municipality shall work with the County to prepare a plan to achieve the recycling goals set forth in this Agreement.

d. The Municipality's recycling program shall be limited to residential programming for funding reimbursements under this Agreement. The County will not reimburse business recycling programming or household hazardous waste programming by the Municipality. Any inquiries or requests regarding these topics should be sent to the County for response.

e. In addition to the above requirements designed to increase residential recycling opportunities, the Municipality shall provide recycling opportunities in all municipal buildings including but not limited to, city offices, public meeting rooms and parks, as required by Minn. Stat. § 115A.151.

f. If the Municipality requests reimbursement for park/public entity recycling/organics/trash waste systems/containers, the Municipality needs to work with the County before an order is placed to make sure the containers are consistent with the requirements set forth by the County for colors e.g. (blue for recycling, green for organics and gray or black for trash), openings and labels.

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g. Pursuant to Minn. Stat. §§ 115A. 46, 115A.471 and 473.848, all waste generated by municipal government activities (including city/town halls, public works and public safety buildings, parks, and libraries, and for municipalities that arrange for waste services on behalf of their residents (organized collection)) shall be delivered to a waste processing plant for disposal as long as capacity is available. Failure to comply with this provision shall constitute a breach of this Agreement resulting in the loss of all Grant Funding unless, pursuant to statute, the Municipality has conferred with the County and developed a plan to comply within a reasonable period of time.

6. **REPORTING.** The Municipality shall submit the following forms via Re-TRAC: application, reimbursement, and tonnage report forms to the County on the schedule noted below:

a. June 3, 2024 – Deadline for submitting via Re-TRAC the 2025 Anoka County Municipal Waste Abatement Grant Funding Application and all required attachments

b. July 12, 2024 – Deadline for submitting via Re-TRAC the 2024 January – June Anoka County Municipal Reimbursement Report Form and all required attachments

c. July 31, 2024 – Deadline for submitting via Re-TRAC the 2024 January – June Anoka County Municipal Tonnage Report Form and all required attachments

d. November 15, 2024 – Deadline for submitting via DocuSign the signed 2025 Agreement for Residential Recycling Program

e. January 10, 2025 – Deadline for submitting via Re-TRAC the 2024 July – December Anoka County Municipal Reimbursement Report Form and all required attachments

f. January 31, 2025 – Deadline for submitting via Re-TRAC the 2024 July – December Anoka County Municipal Tonnage Report Form and all required attachments

g. For the Anoka County **Municipal Waste Abatement Grant Funding Application**, **using set categories in Re-TRAC,** the:
- Municipality is required to follow application instructions
- Municipality must refer to list of eligible expenses when completing the application
- Municipality is required to upload in Re-TRAC a complete and accurate 2024 Staffing Metric and Drop-off Calculator
- Municipality is required to upload in Re-TRAC a complete and accurate .pdf file of up-to-date promotions listing collection opportunities at curbside, permanent drop-off centers or other special events

h. For the Anoka County **Municipal Reimbursement Report Form**, **using set categories in Re-TRAC,** the:
- Municipality is required to follow reimbursement form instructions

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- Municipality must refer to list of eligible expenses when completing the reimbursement form
- If the Municipality is being audited, the Municipality must provide a full accounting of the expenses incurred that have been approved in the 2024 Municipal Waste Abatement Grant Funding Application
- Municipality is required to upload in Re-TRAC a complete and accurate Reimbursement Worksheet which matches the amounts entered in the associated sections in the Re-TRAC Reimbursement Report Form
- Information regarding any revenue received from sources other than the County, for the Municipality's recycling and source-separated organics programs, i.e., revenue taken in from the sale of recyclables and fees collected from residents, shall be reported
- Copies of all promotional materials that have been prepared by the Municipality during each reporting period shall be uploaded in the Re-TRAC Reimbursement Report Form

i. For the **Municipal Tonnage Report Form, using set categories in Re-TRAC,** the:

- Municipality is required to follow tonnage report form instructions
- Municipality shall keep detailed records documenting the disposition of all recyclable materials collected pursuant to this Agreement
- When calculating <u>all</u> tonnage categories, weight slips from haulers and end markets are required. If weight slips cannot be obtained, written documentation of the quantity and type of material being reused, recycled, or composted must be provided
- Using quantity and type of material, the Municipality shall use the conversion factors provided by the County to determine the tonnage
- If County conversion factors do not apply to any given materials, a description of the methodology used for calculations must be provided to the County
- If the Municipality is being audited, the Municipality must provide a full accounting of the amount of waste which has been reused, recycled, and composted due to the Municipality's activities and the efforts of other community programs, redemption centers and drop-off centers
- Municipality is required to upload in Re-TRAC a complete and accurate Tonnage Worksheet which matches the amounts entered in the associated sections in the Re-TRAC Tonnage Report Form
- For waste abatement programs run by other persons or entities, the Municipality shall provide documentation of materials recycled by the Municipality's residents through these other programs

j. The Municipality agrees to support County efforts in obtaining hauler reports by ensuring compliance through ordinance, contract or license requirements and the ability to exercise punitive actions, if needed.

k. The Municipality agrees to furnish the County with additional reports in form and at frequencies requested by the County for financial evaluation, program management purposes, and reporting to the State of Minnesota.

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7. **REIMBURSEMENT PAYMENT PROCEDURE.** Approved grant reimbursement payments shall be paid in accordance with standard County procedures, subject to the approval of the Anoka County Board of Commissioners. Payments will not be made until the set contract deadlines are met.

8. **PUBLICATIONS.** The Municipality shall acknowledge the financial assistance of Anoka County on all promotional materials, reports and publications relating to the activities funded under this Agreement, by including the following acknowledgement: "Funded by the Anoka County Board of Commissioners and State SCORE funds." The Municipality shall provide to the County copies of all promotional materials funded by this grant.

   The County shall provide to the Municipalities printed public information pieces about County programs and topics developed by the Recycling Education Committee (REC). The Municipality shall not modify County provided publications and promotional materials.

   Information about all County programs and drop-off sites that a Municipality plans to publish in a Municipal communication, printed, electronic, or on social media platforms shall be provided to the County for review and approved by the County prior to publication. This includes all information related to County waste prevention, reduction, recycling programs, County household hazardous waste operations and the County compost sites.

   To ensure content accuracy and message consistency throughout the region, any technical information about waste prevention, reduction, recycling, composting and household hazardous waste should be provided to the County for review, before it is printed, to verify that it is correct information for Anoka County. Information copied from the Internet may not be accurate for the twin cities metro area.

9. **INDEMNIFICATION.** The County agrees to indemnify, defend, and hold the Municipality harmless from all claims, demands, and causes of action of any kind or character, including the cost of defense thereof, resulting from the acts or omissions of its public officials, officers, agents, employees, and contractors relating to activities performed by the County under this Agreement.

   The Municipality agrees to indemnify, defend, and hold the County harmless from all claims, demands, and causes of action of any kind or character, including the cost of defense thereof, resulting from the acts or omissions of its public officials, officers, agents, employees, and contractors relating to activities performed by the Municipality under this Agreement.

   The provisions of this subdivision shall survive the termination or expiration of the term of this Agreement.

10. **GENERAL PROVISIONS.**

    a. In performing the provisions of this Agreement, both parties agree to comply with all applicable federal, state, or local laws, ordinances, rules, regulations, or

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standards established by any agency or special governmental unit which are now or hereafter promulgated insofar as they relate to performance of the provisions of this Agreement. In addition, the Municipality shall comply with all applicable requirements of the State of Minnesota for the use of SCORE funds provided to the Municipality by the County under this Agreement. The Municipality shall also comply with all relevant portions of the current Anoka County Solid Waste Management Master Plan and shall participate in the preparation of the successor Master Plans.

b. If the Municipality utilizes the services of a subcontractor for purposes of meeting requirements herein, the Municipality shall be responsible for the performance of all such subcontracts and shall ensure that the subcontractors perform fully the terms of the subcontract. The agreement between the Municipality and a subcontractor shall obligate the subcontractor to comply fully with the terms of this Agreement.

c. It is understood and agreed that the entire agreement is contained herein, and that this Agreement supersedes all oral and written agreements and negotiations between the parties relating to the subject matter hereof.

d. Any amendments, alterations, variations, modifications, or waivers of this Agreement shall be valid only when they have been reduced to writing, duly signed by the parties.

e. The provisions of this Agreement are severable. If any paragraph, section, subdivision, sentence, clause, or phrase of this Agreement is for any reason held to be contrary to law, such decision shall not affect the remaining portion of this Agreement.

f. Nothing in this Agreement shall be construed as creating the relationship of co-partners, joint venturers, or an association between the County and the Municipality, nor shall the Municipality, its employees, agents, or representatives be considered employees, agents, or representatives of the County for any purpose.

g. The Municipality shall maintain financial and other records and accounts in accordance with requirements of the County and the State of Minnesota. The Municipality shall maintain strict accountability of all funds and maintain records of all receipts and disbursements. Such records and accounts shall be maintained in a form which will permit the tracing of funds and program income to final expenditure. The Municipality shall maintain records sufficient to reflect that all funds received under this Agreement were expended in accordance with Minn. Stat. § 115A.557, Subd. 2, for residential solid waste recycling purposes. The Municipality shall also maintain records of the quantities of materials recycled. All records and accounts shall be retained as provided by law, but in no event for a period of less than five years from the last receipt of payment from the County pursuant to this Agreement.

h. Pursuant to Minn. Stat. § 16C.05, the Municipality shall allow the County or other persons or agencies authorized by the County, and the State of Minnesota, including the Legislative Auditor or the State Auditor, access to the records of the

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Municipality at reasonable hours, including all books, records, documents, and accounting procedures and practices of the Municipality relevant to the subject matter of the Agreement, for purposes of audit. In addition, the County shall have access to the project site(s), if any, at reasonable hours.

i. The County reserves the right to withdraw reimbursement of approved expenses if the Municipality does not comply with state law or the County's Solid Waste Ordinance.

11. **TERMINATION.** This Agreement may be terminated by mutual written agreement of the parties or by either party, with or without cause, by giving not less than seven (7) days' written notice, delivered by mail or in person to the other party, specifying the date of termination. If this Agreement is terminated, assets acquired in whole or in part with funds provided under this Agreement shall be the property of the Municipality so long as said assets are used by the Municipality for the purpose of a landfill abatement program approved by the County.

(SIGNATURE PAGE TO FOLLOW)

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IN WITNESS WHEREOF, the parties hereunto set their hands.

CITY OF RAMSEY

By: DocuSigned by: B26F05B441C84AB...
Mark Kuzma
Mayor

Date: 9/19/2023

By: _____
Brian Hagen
City Administrator

Date: _____

COUNTY OF ANOKA

By: _____
Cindy Cesare, Chief Officer
Anoka County Human Services

Date: _____

By: _____
Rhonda Sivarajah
County Administrator

Date: _____

Approved as to form and legality:

By: _____
Kurt Deile
Assistant County Attorney

Date: _____

kcd\contracts\integrated waste contracts\SCORE grants\2024_____

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Attachment A

Minnesota Statutes Referenced in Agreement for Residential Recycling Program

Chapter 115A WASTE MANAGEMENT

Minn. Stat. §115A.03 Definitions

Subdivision 1. **Applicability.**

For the purposes of this chapter, the terms defined in this section have the meanings given them, unless the context requires otherwise.

Subd. 2. **Agency.**

"Agency" means the Pollution Control Agency.

Subd. 3.

[Repealed, 1989 c 335 art 1 s 270]

Subd. 3a. **Arrange for management.**

"Arrange for management" means an activity undertaken by a person that determines the ultimate disposition of solid waste that is under the control of the person, including delivery of the waste to a transfer station for transport to another solid waste management facility. Knowledge of the destination of waste by a generator is by itself insufficient for arranging for management unless the generator knows that the destination is an environmentally inferior facility as defined in this section, has the ability to redirect the waste to an environmentally superior facility and ensure its delivery to that facility, and chooses not to redirect the waste.

Subd. 4. **Cities.**

"Cities" means statutory and home rule charter cities and towns authorized to plan under sections 462.351 to 462.364.

Subd. 5. **Collection.**

"Collection" means the aggregation of waste from the place at which it is generated and includes all activities up to the time the waste is delivered to a waste facility.

Subd. 6. **Commercial waste facility.**

"Commercial waste facility" means a waste facility established and permitted to sell waste processing or disposal services to generators other than the owner and operator of the facility.

Subd. 6a. **Commissioner.**

"Commissioner" means the commissioner of the Pollution Control Agency.

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Subd. 7. **Construction debris.**

"Construction debris" means waste building materials, packaging, and rubble resulting from construction, remodeling, repair, and demolition of buildings and roads.

Subd. 7a. **Containment.**

"Containment" means isolating, controlling, and monitoring waste in a waste facility in order to prevent a release of waste from the facility that would have an adverse impact upon human health and the environment.

Subd. 8. **Development region.**

"Development region" means a region designated pursuant to sections 462.381 to 462.397.

Subd. 8a.

[Repealed, 1Sp2005 c 1 art 2 s 162]

Subd. 9. **Disposal or dispose.**

"Disposal" or "dispose" means the discharge, deposit, injection, dumping, spilling, leaking, or placing of any waste into or on any land or water so that the waste or any constituent thereof may enter the environment or be emitted into the air, or discharged into any waters, including groundwaters.

Subd. 10. **Disposal facility.**

"Disposal facility" means a waste facility permitted by the agency that is designed or operated for the purpose of disposing of waste on or in the land, together with any appurtenant facilities needed to process waste for disposal or transfer to another waste facility.

Subd. 10a. **Environmentally inferior.**

"Environmentally inferior" means a solid waste management method that is lower on the list of preferred waste management methods in section 115A.02 than a solid waste management method chosen by a county or, as applied to a facility, means a waste management facility that utilizes a waste management method that is lower on the list of preferred waste management methods than the waste management method chosen by a county. In addition, as applied to disposal facilities, a facility that does not meet the standards for new facilities in Code of Federal Regulations, title 40, chapters 257 and 258, is environmentally inferior to a facility that does meet these standards.

Subd. 11. **Generation.**

"Generation" means the act or process of producing waste.

Subd. 12. **Generator.**

"Generator" means any person who generates waste.

Subd. 13. **Hazardous waste.**

"Hazardous waste" has the meaning given it in section 116.06, subdivision 11.

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Subd. 13a. **Industrial waste.**

"Industrial waste" means solid waste resulting from an industrial, manufacturing, service, or commercial activity that is managed as a separate waste stream.

Subd. 14. **Intrinsic hazard.**

"Intrinsic hazard" of a waste means the propensity of the waste to migrate in the environment, and thereby to become exposed to the public, and the significance of the harm or damage likely to result from exposure of natural resources or the public to the waste, as a result of such inherent or induced attributes of the waste as its chemical and physical stability, solubility, bioconcentratability, toxicity, flammability, and corrosivity.

Subd. 15. **Intrinsic suitability.**

(a) "Intrinsic suitability" of a land area or site means that, based on existing data on the inherent and natural attributes, physical features, and location of the land area or site, there is no known reason why the waste facility proposed to be located in the area or site cannot reasonably be expected to qualify for permits in accordance with agency rules. Agency certification of intrinsic suitability shall be based on data submitted to the agency by the proposing entity and data included by the administrative law judge in the record of any public hearing on recommended certification, and applied against criteria in agency rules and any additional criteria developed by the agency in effect at the time the proposing entity submits the site for certification.

(b) In the event that all candidate sites selected by the board before May 3, 1984, are eliminated from further consideration and a new search for candidate sites is commenced, "intrinsic suitability" of a land area or site shall mean that, because of the inherent and natural attributes, physical features, and location of the land area or site, the waste facility proposed to be located in the area or site would not be likely to result in material harm to the public health and safety and natural resources and that therefore the proposed facility can reasonably be expected to qualify for permits in accordance with agency rules.

Subd. 16.

[Repealed, 1997 c 7 art 1 s 26]

Subd. 17. **Local government unit.**

"Local government unit" means cities, towns, and counties.

Subd. 17a. **Major appliances.**

"Major appliances" means clothes washers and dryers, dishwashers, hot water heaters, heat pumps, furnaces, garbage disposals, trash compactors, conventional and microwave ovens, ranges and stoves, air conditioners, dehumidifiers, refrigerators, and freezers.

Subd. 18. **Metropolitan area.**

"Metropolitan area" has the meaning given it in section 473.121.

Subd. 19. **Metropolitan Council.**

"Metropolitan Council" means the council established in chapter 473.

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Subd. 20.

[Repealed, 1994 c 628 art 3 s 209]

Subd. 21. **Mixed municipal solid waste.**

(a) "Mixed municipal solid waste" means garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities that the generator of the waste aggregates for collection, except as provided in paragraph (b).

(b) Mixed municipal solid waste does not include auto hulks, street sweepings, ash, construction debris, mining waste, sludges, tree and agricultural wastes, tires, lead acid batteries, motor and vehicle fluids and filters, and other materials collected, processed, and disposed of as separate waste streams.

Subd. 22. **Natural resources.**

"Natural resources" has the meaning given it in chapter 116B.

Subd. 22a.

[Repealed, 1Sp2005 c 1 art 2 s 162]

Subd. 22b. **Packaging.**

"Packaging" means a container and any appurtenant material that provide a means of transporting, marketing, protecting, or handling a product. "Packaging" includes pallets and packing such as blocking, bracing, cushioning, weatherproofing, strapping, coatings, closures, inks, dyes, pigments, and labels.

Subd. 23. **Person.**

"Person" has the meaning given it in section 116.06, but does not include the Pollution Control Agency.

Subd. 24. **Political subdivision.**

"Political subdivision" means any municipal corporation, governmental subdivision of the state, local government unit, special district, or local or regional board, commission, or authority authorized by law to plan or provide for waste management.

Subd. 24a. **Problem material.**

"Problem material" means a material that, when it is processed or disposed of with mixed municipal solid waste, contributes to one or more of the following results:

(1) the release of a hazardous substance, or pollutant or contaminant, as defined in section 115B.02, subdivisions 8, 13, and 15;

(2) pollution of water as defined in section 115.01, subdivision 13;

(3) air pollution as defined in section 116.06, subdivision 4; or

(4) a significant threat to the safe or efficient operation of a solid waste facility.

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Subd. 24b. **Postconsumer material.**

"Postconsumer material" means a finished material that would normally be discarded as a solid waste having completed its life cycle as a consumer item.

Subd. 25. **Processing.**

"Processing" means the treatment of waste after collection and before disposal. Processing includes but is not limited to reduction, storage, separation, exchange, resource recovery, physical, chemical, or biological modification, and transfer from one waste facility to another.

Subd. 25a. **Recyclable materials.**

"Recyclable materials" means materials that are separated from mixed municipal solid waste for the purpose of recycling or composting, including paper, glass, plastics, metals, automobile oil, batteries, source-separated compostable materials, and sole source food waste streams that are managed through biodegradative processes. Refuse-derived fuel or other material that is destroyed by incineration is not a recyclable material.

Subd. 25b. **Recycling.**

"Recycling" means the process of collecting and preparing recyclable materials and reusing the materials in their original form or using them in manufacturing processes that do not cause the destruction of recyclable materials in a manner that precludes further use.

Subd. 25c. **Recycling facility.**

"Recycling facility" means a facility at which materials are prepared for reuse in their original form or for use in manufacturing processes that do not cause the destruction of the materials in a manner that precludes further use.

Subd. 25d. **Refuse-derived fuel.**

"Refuse-derived fuel" means a product resulting from the processing of mixed municipal solid waste in a manner that reduces the quantity of noncombustible material present in the waste, reduces the size of waste components through shredding or other mechanical means, and produces a fuel suitable for combustion in existing or new solid fuel-fired boilers.

Subd. 26. **Regional development commission.**

"Regional development commission" means a commission established pursuant to sections 462.381 to 462.397.

Subd. 26a. **Resource conservation.**

"Resource conservation" means the reduction in the use of water, energy, and raw materials.

Subd. 27. **Resource recovery.**

"Resource recovery" means the reclamation for sale, use, or reuse of materials, substances, energy, or other products contained within or derived from waste.

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Subd. 28. **Resource recovery facility.**

"Resource recovery facility" means a waste facility established and used primarily for resource recovery, including related and appurtenant facilities such as transmission facilities and transfer stations primarily serving the resource recovery facility.

Subd. 28a. **Retrievable storage.**

"Retrievable storage" means a method of disposal whereby wastes are placed in a facility established pursuant to sections 115A.18 to 115A.30 for an indeterminate period in a manner designed to allow the removal of the waste at a later time.

Subd. 28b. **Sanitary district.**

"Sanitary district" means a sanitary district with the authority to regulate solid waste.

Subd. 29. **Sewage sludge.**

"Sewage sludge" means solid, semisolid, or liquid residue generated during the treatment of domestic sewage in a treatment works. It includes, but is not limited to, scum or solids removed in primary, secondary, or advanced wastewater treatment processes and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screenings generated during preliminary treatment of domestic sewage in a treatment works. Sewage sludge that is acceptable and beneficial for recycling on land as a soil conditioner and nutrient source is also known as biosolids.

Subd. 30. **Sewage sludge disposal facility.**

"Sewage sludge disposal facility" means property owned or leased by a political subdivision and used for interim or final disposal or land spreading of sewage sludge.

Subd. 31. **Solid waste.**

"Solid waste" has the meaning given it in section 116.06, subdivision 22.

Subd. 32. **Solid waste management district or waste district.**

"Solid waste management district" or "waste district" means a geographic area extending into two or more counties in which the management of solid waste is vested in a special district established pursuant to sections 115A.62 to 115A.72.

Subd. 32a.

MS 1994 [Renumbered subd 32c]

Subd. 32a.**Source-separated compostable materials.**

"Source-separated compostable materials" means materials that:

(1) are separated at the source by waste generators for the purpose of preparing them for use as compost;

(2) are collected separately from mixed municipal solid waste, and are governed by the licensing provisions of section 115A.93;

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(3) are comprised of food wastes, fish and animal waste, plant materials, diapers, sanitary products, and paper that is not recyclable because the commissioner has determined that no other person is willing to accept the paper for recycling;

(4) are delivered to a facility to undergo controlled microbial degradation to yield a humus-like product meeting the agency's class I or class II, or equivalent, compost standards and where process rejects do not exceed 15 percent by weight of the total material delivered to the facility; and

(5) may be delivered to a transfer station, mixed municipal solid waste processing facility, or recycling facility only for the purposes of composting or transfer to a composting facility, unless the commissioner determines that no other person is willing to accept the materials.

Subd. 32b.

MS 1994 [Renumbered subd 32d]

Subd. 32b. **Source-separated recyclable materials.**

"Source-separated recyclable materials" means recyclable materials, including commingled recyclable materials, that are separated by the generator.

Subd. 32c. **Stabilization.**

"Stabilization" means a chemical or thermal process in which materials or energy are added to waste in order to reduce the possibility of migration of any hazardous constituents of the resulting stabilized waste in preparation for placement of the waste in a stabilization and containment facility.

Subd. 32d. **Stabilization and containment facility.**

"Stabilization and containment facility" means a waste facility that is designed for stabilization and containment of waste, together with other appurtenant facilities needed to process waste for stabilization, containment, or transfer to another facility.

Subd. 33. **Transfer station.**

"Transfer station" means an intermediate waste facility in which waste collected from any source is temporarily deposited to await transportation to another waste facility.

Subd. 34. **Waste.**

"Waste" means solid waste, sewage sludge, and hazardous waste.

Subd. 35. **Waste facility.**

"Waste facility" means all property, real or personal, including negative and positive easements and water and air rights, which is or may be needed or useful for the processing or disposal of waste, except property for the collection of the waste and property used primarily for the manufacture of scrap metal or paper. Waste facility includes but is not limited to transfer stations, processing facilities, and disposal sites and facilities.

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Subd. 36. **Waste management.**

"Waste management" means activities which are intended to affect or control the generation of waste and activities which provide for or control the collection, processing and disposal of waste.

Subd. 36a. **Waste management method chosen by a county.**

"Waste management method chosen by a county" means:

(1) a waste management method that is mandated for waste generated in the county by section 115A.415, 473.848, 473.849, or other state law, or by county ordinance based on the county solid waste management plan developed, adopted, and approved under section 115A.46 or 458D.05 or the county solid waste management master plan developed, adopted, and approved under section 473.803; or

(2) a waste management facility or facilities, developed under the county solid waste management plan or master plan, to which solid waste generated in a county is directed by an ordinance developed, adopted, and approved under sections 115A.80 to 115A.893.

Subd. 36b. **Waste reduction or source reduction.**

"Waste reduction" or "source reduction" means an activity that prevents generation of waste or the inclusion of toxic materials in waste, including:

(1) reusing a product in its original form;

(2) increasing the life span of a product;

(3) reducing material or the toxicity of material used in production or packaging; or

(4) changing procurement, consumption, or waste generation habits to result in smaller quantities or lower toxicity of waste generated.

Subd. 37. **Waste rendered nonhazardous.**

"Waste rendered nonhazardous" means (1) waste excluded from regulation as a hazardous waste under the delisting requirements of United States Code, title 42, section 6921 and any federal and state delisting rules, and (2) other nonhazardous residual waste from the processing of hazardous waste.

Subd. 38. **Yard waste.**

"Yard waste" means garden wastes, leaves, lawn cuttings, weeds, shrub and tree waste, and prunings.

History:

1980 c 564 art 1 s 3; 1981 c 352 s 1,2; 1983 c 373 s 5,6; 1984 c 640 s 32; 1984 c 644 s 1,2; 1985 c 274 s 1-3; 1986 c 425 s 12-17; 1987 c 348 s 1,2; 1988 c 524 s 1; 1988 c 685 s 3,4,21; 1989 c 325 s 3; 1989 c 335 art 1 s 128,129,269; 1Sp1989 c 1 art 18 s 3; art 20 s 1,2; 1991 c 303 s 1; 1991 c 337 s 6,7,44; 1992 c 593 art 1 s 5-7,28; 1993 c 249 s 7,8,61; 1994 c 548 s 1; 1994 c 585 s 3; 1994 c 639 art 5 s 3; 1995 c 220 s 96; 1995 c 247 art 1 s 66; 1996 c 470 s 2-5; 1Sp2005 c 1 art 2 s 161; 2008 c 357 s 32,33; 2011 c 107 s 81; 2014 c 248 s 14; 1Sp2015 c 4 art 4 s 104,105

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Minn. Stat. § 115A.151 RECYCLING REQUIREMENTS; PUBLIC ENTITIES; COMMERCIAL BUILDINGS; SPORTS FACILITIES.

(a) A public entity, the owner of a sports facility, and an owner of a commercial building shall:

(1) ensure that facilities under its control, from which mixed municipal solid waste is collected, also collect at least three recyclable materials, such as, but not limited to, paper, glass, plastic, and metal; and

(2) transfer all recyclable materials collected to a recycler.

(b) For the purposes of this section:

(1) "public entity" means the state, an office, agency, or institution of the state, the Metropolitan Council, a metropolitan agency, the Metropolitan Mosquito Control Commission, the legislature, the courts, a county, a statutory or home rule charter city, a town, a school district, a special taxing district, or any entity that receives an appropriation from the state for a capital improvement project after August 1, 2002;

(2) "metropolitan agency" and "Metropolitan Council" have the meanings given them in section 473.121;

(3) "Metropolitan Mosquito Control Commission" means the commission created in section 473.702;

(4) "commercial building" means a building that:

(i) is located in a metropolitan county, as defined in section 473.121;

(ii) contains a business classified in sectors 42 to 81 under the North American Industrial Classification System; and

(iii) contracts for four cubic yards or more per week of solid waste collection; and

(5) "sports facility" means a professional or collegiate sports facility at which competitions take place before a public audience.

History: *1Sp1989 c 1 art 18 s 9; 1991 c 337 s 12; 1996 c 457 s 10; 2002 c 312 s 2; 2014 c 225 s 4; 2014 c 312 art 13 s 24*

Minn. Stat. §115A.46 REGIONAL AND LOCAL SOLID WASTE MANAGEMENT PLAN; REQUIREMENTS.

Subdivision 1.**General.**

(a) Plans shall address the state policies and purposes expressed in section 115A.02 and may not be inconsistent with state law.

(b) Plans for the location, establishment, operation, maintenance, and postclosure use of facilities and facility sites, for ordinances, and for licensing, permit, and enforcement activities shall be consistent with the rules adopted by the agency pursuant to chapter 116.

(c) Plans shall address:

(1) the resolution of conflicting, duplicative, or overlapping local management efforts;

(2) the establishment of joint powers management programs or waste management districts where appropriate; and

(3) other matters as the rules of the agency may require consistent with the purposes of sections 115A.42 to 115A.46.

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(d) Political subdivisions preparing plans under sections 115A.42 to 115A.46 shall consult with persons presently providing solid waste collection, processing, and disposal services.

(e) Plans must be submitted to the commissioner for approval. When a county board is ready to have a final plan approved, the county board shall submit a resolution requesting review and approval by the commissioner. After receiving the resolution, the commissioner shall notify the county within 45 days whether the plan as submitted is complete and, if not complete, the specific items that need to be submitted to make the plan complete. Within 90 days after a complete plan has been submitted, the commissioner shall approve or disapprove the plan. If the plan is disapproved, reasons for the disapproval must be provided.

(f) After initial approval, each plan must be updated and submitted for approval at least every ten years. The plan must be revised as necessary so that it is not inconsistent with state law.

(g) Rules that regulate plan content under subdivision 2 must reflect demographic, geographic, regional, and solid waste system differences that exist among the counties.

Subd. 2.**Contents.**

(a) The plans shall describe existing collection, processing, and disposal systems, including schedules of rates and charges, financing methods, environmental acceptability, and opportunities for improvements in the systems.

(b) The plans shall include an estimate of the land disposal capacity in acre-feet which will be needed through the year 2000, on the basis of current and projected waste generation practices. In assessing the need for additional capacity for resource recovery or land disposal, the plans shall take into account the characteristics of waste stream components and shall give priority to waste reduction, separation, and recycling.

(c) The plans shall require the most feasible and prudent reduction of the need for and practice of land disposal of mixed municipal solid waste.

(d) The plans shall address at least waste reduction, separation, recycling, and other resource recovery options, and shall include specific and quantifiable objectives, immediately and over specified time periods, for reducing the land disposal of mixed municipal solid waste and for the implementation of feasible and prudent reduction, separation, recycling, and other resource recovery options. These objectives shall be consistent with statewide objectives as identified in statute. The plans shall describe methods for identifying the portions of the waste stream such as leaves, grass, clippings, tree and plant residue, and paper for application and mixing into the soil and use in agricultural practices. The plans shall describe specific functions to be performed and activities to be undertaken to achieve the abatement, reduction, separation, recycling, and other resource recovery objectives and shall describe the estimated cost, proposed manner of financing, and timing of the functions and activities. The plans shall describe proposed mechanisms for complying with the recycling requirements of section 115A.551, and the household hazardous waste management requirements of section 115A.96, subdivision 6.

(e) The plans shall include a comparison of the costs of the activities to be undertaken, including capital and operating costs, and the effects of the activities on the cost to generators and on persons currently providing solid waste collection, processing, and disposal services. The plans shall include alternatives which could be used to achieve the abatement objectives if the proposed functions and activities are not established.

(f) The plans shall designate how public education shall be accomplished. The plans shall, to the extent practicable and consistent with the achievement of other public policies and purposes, encourage ownership and operation of solid waste facilities by private industry. For solid waste facilities owned or operated by public agencies or supported primarily by public funds or obligations issued by a public

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agency, the plans shall include criteria and standards to protect comparable private and public facilities already existing in the area from displacement unless the displacement is required in order to achieve the waste management objectives identified in the plan.

(g) The plans shall establish a siting procedure and development program to assure the orderly location, development, and financing of new or expanded solid waste facilities and services sufficient for a prospective ten-year period, including estimated costs and implementation schedules, proposed procedures for operation and maintenance, estimated annual costs and gross revenues, and proposals for the use of facilities after they are no longer needed or usable.

(h) The plans shall describe existing and proposed county and municipal ordinances and license and permit requirements relating to solid waste management and shall describe existing and proposed regulation and enforcement procedures.

Subd. 3.

[Repealed, 1984 c 644 s 82]

Subd. 4. **Delegating solid waste responsibilities.**

A county or a solid waste management district established under sections 115A.62 to 115A.72 may not delegate to another governmental unit or other person any portion of its responsibility for solid waste management unless it establishes a funding mechanism to assure the ability of the entity to which it delegates responsibility to adequately carry out the responsibility delegated.

Subd. 5. **Jurisdiction of plan.**

(a) After a county plan has been submitted for approval under subdivision 1, a public entity, as defined in section 16C.073, subdivision 1, within the county may not enter into a binding agreement governing a solid waste management activity that is inconsistent with the county plan without the consent of the county.

(b) After a county plan has been approved under subdivision 1, the plan governs all solid waste management in the county and a public entity, as defined in section 16C.073, subdivision 1, within the county may not develop or implement a solid waste management activity, other than an activity to reduce waste generation or reuse waste materials, that is inconsistent with the county plan that the county is actively implementing without the consent of the county.

History:

1980 c 564 art 5 s 5; 1982 c 569 s 13; 1984 c 644 s 32,33; 1987 c 404 s 140; 1989 c 131 s 3; 1989 c 325 s 6; 1989 c 335 art 1 s 269; 1Sp1989 c 1 art 20 s 3,4; 1991 c 337 s 15,16; 1995 c 247 art 1 s 8; art 2 s 12; 2003 c 13 s 1; 1Sp2005 c 1 art 2 s 161; 2014 c 196 art 1 s 5

Minn. Stat. §115A.471 PUBLIC ENTITIES; MANAGING SOLID WASTE.

Subdivision 1. **Definitions.**

(a) Prior to entering into or approving a contract for the management of mixed municipal solid waste which would manage the waste using a waste management practice that is ranked lower on the list of preferred waste management practices in section 115A.02, paragraph (b), than the waste management practice selected for such waste in the county plan for the county in which the waste was generated, a public entity must:

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(1) determine the potential liability to the public entity and its taxpayers for managing the waste in this manner;

(2) develop and implement a plan for managing the potential liability; and

(3) submit the information from clauses (1) and (2) to the agency.

(b) For the purpose of this subdivision, "public entity" means the state; an office, agency, or institution of the state; the Metropolitan Council; a metropolitan agency; the Metropolitan Mosquito Control District; the legislature; the courts; a county; a statutory or home rule charter city; a town; a school district; another special taxing district; or any other general or special purpose unit of government in the state.

History: *1995 c 247 art 1 s 9*

Minn Stat. §115A.551 RECYCLING.

Subdivision 1. **Definitions.**

(a) For the purposes of this section, "recycling" means, in addition to the meaning given in section 115A.03, subdivision 25b, yard waste and source-separated compostable materials composting and recycling that occurs through mechanical or hand separation of materials that are then delivered for use in manufacturing processes that do not cause the destruction of recyclable materials in a manner that precludes further use.

(b) For the purposes of this section, "total solid waste generation" means the total by weight of:

(1) materials separated for recycling;

(2) materials separated for yard waste and source-separated compostable materials composting;

(3) mixed municipal solid waste plus motor and vehicle fluids and filters, tires, lead acid batteries, and major appliances; and

(4) residential waste materials that would be mixed municipal solid waste but for the fact that they are not collected as such.

Subd. 2
[Repealed, 2014 c 312 art 13 s 48]

Subd. 2a. **County recycling goals.**

(a) By December 31, 2030, each county will have as a goal to recycle the following amounts:

(1) for a county outside of the metropolitan area, 35 percent by weight of total solid waste generation; and

(2) for a metropolitan county, 75 percent by weight of total solid waste generation.

(b) Each county will develop and implement or require political subdivisions within the county to develop and implement programs, practices, or methods designed to meet its recycling goal. Nothing in this section or in any other law may be construed to prohibit a county from establishing a higher recycling goal.

(c) Any quantified recyclable materials that meet the definition in subdivision 1, paragraph (a), or section 115A.03, subdivision 25a, are eligible to be counted toward a county's recycling goal under this subdivision.

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Subd. 3. **Interim goals; nonmetropolitan counties.**

The commissioner shall establish interim recycling goals for the nonmetropolitan counties to assist them in meeting the goals established in subdivision 2a.

Subd. 4. **Interim monitoring.**

The commissioner shall monitor the progress of each county toward meeting the recycling goals in subdivision 2a. The commissioner shall report to the senate and house of representatives committees having jurisdiction over environment and natural resources as part of the report required under section 115A.411. If the commissioner finds that a county is not progressing toward the goals in subdivision 2a, the commissioner shall negotiate with the county to develop and implement solid waste management techniques designed to assist the county in meeting the goals, such as organized collection, curbside collection of source-separated materials, and volume-based pricing.

Subd. 5. **Failure to meet goal.**

(a) A county failing to meet the interim goals in subdivision 3 shall, as a minimum:

(1) notify county residents of the failure to achieve the goal and why the goal was not achieved; and

(2) provide county residents with information on recycling programs offered by the county.

(b) If, based on the recycling monitoring described in subdivision 4, the commissioner finds that a county will be unable to meet the recycling goals established in subdivision 2a, the commissioner shall, after consideration of the reasons for the county's inability to meet the goals, recommend legislation for consideration by the senate and house of representatives committees having jurisdiction over environment and natural resources and environment and natural resources finance to establish mandatory recycling standards and to authorize the commissioner to mandate appropriate solid waste management techniques designed to meet the standards in those counties that are unable to meet the goals.

Subd. 6. **County solid waste plans.**

Each county shall include in its solid waste management plan described in section 115A.46, or its solid waste master plan described in section 473.803, a recycling implementation strategy for meeting the recycling goal established in subdivision 2a along with mechanisms for providing financial incentives to solid waste generators to reduce the amount of waste generated and to separate recyclable materials from the waste stream.

Subd. 7. **Recycling implementation strategy.**

Each county shall submit to the commissioner for approval the recycling implementation strategy required in subdivision 6. The recycling implementation strategy must be submitted by October 31, 1995, and must:

(1) be consistent with the approved county solid waste management plan;

(2) identify the materials that are being and will be recycled in the county to meet the goals under this section and the parties responsible and methods for recycling the material;

(3) provide a budget to ensure adequate funding for needed county and local programs and demonstrate an ongoing commitment to spending the money on recycling programs; and

(4) include a schedule for implementing recycling activities needed to meet the goals in subdivision 2a.

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History:

1Sp1989 c 1 art 18 s 12; 1991 c 337 s 19-21; 1992 c 593 art 1 s 14-16,54; 1993 c 249 s 13,14,61; 1994 c 639 art 5 s 3; 1995 c 247 art 1 s 14-17; art 2 s 15; 1996 c 470 s 27; 1999 c 73 s 4; 1Sp2005 c 1 art 2 s 161; 2012 c 272 s 67,68; 2014 c 312 art 13 s 26,27; 1Sp2015 c 4 art 4 s 108; 2016 c 158 art 1 s 26-28

Minn. Stat. §115A.552 OPPORTUNITY TO RECYCLE.

Subdivision 1. **County requirement.**

Counties shall ensure that residents, including residents of single and multifamily dwellings, have an opportunity to recycle. At least one recycling center shall be available in each county. Opportunity to recycle means availability of recycling and curbside pickup or collection centers for recyclable materials at sites that are convenient for persons to use. Counties shall also provide for the recycling of problem materials and major appliances. Counties shall assess the operation of existing and proposed recycling centers and shall give due consideration to those centers in ensuring the opportunity to recycle. To the extent practicable, the costs incurred by a county for collection, storage, transportation, and recycling of major appliances must be collected from persons who discard the major appliances.

Subd. 2. **Recycling opportunities.**

An opportunity to recycle must include:

(1) a local recycling center in the county and sites for collecting recyclable materials that are located in areas convenient for persons to use them;

(2) curbside pickup, centralized drop-off, or a local recycling center for at least four broad types of recyclable materials in cities with a population of 5,000 or more persons; and

(3) monthly pickup of at least four broad types of recyclable materials in cities of the first and second class and cities with 5,000 or more population in the metropolitan area.

Subd. 3. **Recycling information, education, and promotion.**

(a) Each county shall provide information on how, when, and where materials may be recycled, including a promotional program that publishes notices at least once every three months and encourages source separation of residential, commercial, industrial, and institutional materials.

(b) The commissioner shall develop materials for counties to use in providing information on and promotion of recycling.

(c) The commissioner shall provide technical assistance to counties to help counties implement recycling programs.

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Subd. 4 .**Nonresidential recycling.**

Each county shall encourage building owners and managers, business owners and managers, and collectors of commercial mixed municipal solid waste to provide appropriate recycling services and opportunities to generators of commercial, industrial, and institutional solid waste in the county.

History: *1Sp1989 c 1 art 18 s 13; 1991 c 337 s 22-24; 1994 c 639 art 5 s 3; 1Sp2005 c 1 art 2 s 161*

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Minn. Stat. §115A.557 COUNTY WASTE REDUCTION AND RECYCLING FUNDING.

Subdivision 1. **Distribution; formula.**

Any funds appropriated to the commissioner for the purpose of distribution to counties under this section must be distributed each fiscal year by the commissioner based on population, except a county may not receive less than $55,000 in a fiscal year. If the amount available for distribution under this section is less or more than the amount available in fiscal year 2001, the minimum county payment under this section is reduced or increased proportionately. For purposes of this subdivision, "population" has the definition given in section 477A.011, subdivision 3. A county that participates in a multicounty district that manages solid waste and that has responsibility for recycling programs as authorized in section 115A.552, must pass through to the districts funds received by the county in excess of the minimum county payment under this section in proportion to the population of the county served by that district.

Subd. 2. **Permissible expenditures.**

(a) A county receiving money distributed by the commissioner under this section may use the money only for the development and implementation of programs to:

(1) reduce the amount of solid waste generated;

(2) recycle the maximum amount of solid waste technically feasible;

(3) create and support markets for recycled products;

(4) remove problem materials from the solid waste stream and develop proper disposal options for them;

(5) inform and educate all sectors of the public about proper solid waste management procedures;

(6) provide technical assistance to public and private entities to ensure proper solid waste management;

(7) provide educational, technical, and financial assistance for litter prevention;

(8) process mixed municipal solid waste generated in the county at a resource recovery facility located in Minnesota;

(9) compost source-separated compostable materials, including the provision of receptacles for residential composting;

(10) prevent food waste or collect and transport food donated to humans or to be fed to animals; and

(11) process source-separated compostable materials that are to be used to produce class I or class II compost, as defined in Minnesota Rules, part 7035.2836, after being processed in an anaerobic digester, but not to construct buildings or acquire equipment.

(b) Beginning in fiscal year 2015 and continuing thereafter, of any money distributed by the commissioner under this section to a metropolitan county, as defined in section 473.121, subdivision 4, that exceeds the amount the county was eligible to receive under this section in fiscal year 2014: (1) at least 50 percent must be expended on activities in paragraph (a), clauses (9) to (11); and (2) the remainder must be expended on activities in paragraph (a), clauses (1) to (7) and (9) to (11), that advance the county toward achieving its recycling goal under section 115A.551.

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Subd. 3. **Eligibility.**

(a) To be eligible to receive money distributed by the commissioner under this section, a county shall within one year of October 4, 1989:

(1) create a separate account in its general fund to credit the money; and

(2) set up accounting procedures to ensure that money in the separate account is spent only for the purposes in subdivision 2.

(b) In each following year, each county shall also:

(1) have in place an approved solid waste management plan or master plan including a recycling implementation strategy under section 115A.551, subdivision 7, and a household hazardous waste management plan under section 115A.96, subdivision 6, by the dates specified in those provisions;

(2) submit a report by April 1 of each year to the commissioner, which may be submitted electronically and must be posted on the agency's website, detailing for the previous calendar year:

(i) how the money was spent including, but not limited to, specific recycling and composting activities undertaken to increase the county's proportion of solid waste recycled in order to achieve its recycling goal established in section 115A.551; specific information on the number of employees performing SCORE planning, oversight, and administration; the percentage of those employees' total work time allocated to SCORE planning, oversight, and administration; the specific duties and responsibilities of those employees; and the amount of staff salary for these SCORE duties and responsibilities of the employees; and

(ii) the resulting gains achieved in solid waste management practices; and

(3) provide evidence to the commissioner that local revenue equal to 25 percent of the money sought for distribution under this section will be spent for the purposes in subdivision 2.

(c) The commissioner shall withhold all or part of the funds to be distributed to a county under this section if the county fails to comply with this subdivision and subdivision 2.

Subd. 4. **Report.**

The commissioner shall report on how the money was spent and the resulting statewide improvements in solid waste management to the senate and house of representatives committees having jurisdiction over ways and means, finance, environment and natural resources, and environment and natural resources finance. The report shall be included in the report required under section 115A.411.

History:

1Sp1989 c 1 art 19 s 1; 1991 c 337 s 26; 1992 c 593 art 1 s 17,54; 1994 c 585 s 13; 1994 c 639 art 5 s 3; 1995 c 247 art 1 s 19,20; 1996 c 470 s 27; 2000 c 490 art 10 s 1; 1Sp2001 c 2 s 125; 2002 c 374 art 6 s 2; 2004 c 284 art 2 s 11; 1Sp2005 c 1 art 2 s 161; 2009 c 37 art 1 s 42; 2012 c 272 s 69; 2014 c 312 art 13 s 28,29; 1Sp2015 c 4 art 4 s 109

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Chapter 473 METROPOLITAN GOVERNMENT

Minn. Stat. §473.8441 LOCAL RECYCLING DEVELOPMENT PROGRAM.

Subdivision 1.**Definitions.**

"Number of households" has the meaning given in Minnesota Statutes 1992, section 477A.011, subdivision 3a.

Subd. 2. **Program.**

The commissioner shall encourage the development of permanent local recycling programs throughout the metropolitan area. The commissioner shall make grants to qualifying metropolitan counties as provided in this section.

Subd. 3. **Grants; eligible costs.**

Grants may be used to pay for planning, developing, and operating yard waste composting and recycling programs.

Subd. 4. **Grant conditions.**

The commissioner shall administer grants so that the following conditions are met:

(a) A county must apply for a grant in the manner determined by the commissioner. The application must describe the activities for which the grant will be used.

(b) The activities funded must be consistent with the metropolitan policy plan and the county master plan.

(c) A grant must be matched by equal local expenditures for the activities for which the grant is made. A local expenditure may include, but is not limited to, an expenditure by a local unit of government, tribal government, or private sector or nonprofit organization.

(d) All grant funds must be used for new activities or to enhance or increase the effectiveness of existing activities in the county. Grant funds shall not be used for research or development of a product that would be patented, copyrighted, or a subject of trade secrets.

(e) Counties shall provide support to maintain effective municipal recycling where it is already established.

Subd. 5. **Grant allocation procedure.**

(a) The commissioner shall distribute the funds annually so that each qualifying county receives an equal share of 50 percent of the allocation to the program described in this section, plus a proportionate share of the remaining funds available for the program. A county's proportionate share is an amount that has the same proportion to the total remaining funds as the number of households in the county has to the total number of households in all metropolitan counties.

(b) To qualify for distribution of funds, a county, by April 1 of each year, must submit to the commissioner for approval a report on expenditures and activities under the program during the preceding fiscal year and any proposed changes in its recycling implementation strategy or performance funding system. The report shall be included in the county report required by section 473.803, subdivision 3.

History: *1987 c 348 s 46; 1989 c 325 s 63; 1993 c 249 s 41; 1995 c 247 art 2 s 47-49; 1Sp2005 c 1 art 2 s 161; 2016 c 158 art 1 s 194; 2018 c 134 s 1*

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Minn. Stat. § 473.848 RESTRICTION ON DISPOSAL.

Subdivision 1. **Restriction.**

(a) For the purposes of implementing the waste management policies in section 115A.02 and metropolitan area goals related to landfill abatement established under this chapter, a person may not dispose of unprocessed mixed municipal solid waste generated in the metropolitan area at a waste disposal facility unless the waste disposal facility meets the standards in section 473.849 and:

(1) the waste has been certified as unprocessible by a county under subdivision 2; or

(2)(i) the waste has been transferred to the disposal facility from a resource recovery facility;

(ii) no other resource recovery facility serving the metropolitan area is capable of processing the waste; and

(iii) the waste has been certified as unprocessible by the operator of the resource recovery facility under subdivision 3.

(b) For purposes of this section, mixed municipal solid waste does not include street sweepings, construction debris, mining waste, foundry sand, and other materials, if they are not capable of being processed by resource recovery as determined by the council.

Subd. 2. **County certification; office approval.**

(a) By April 1 of each year, each county shall submit an annual certification report to the office detailing:

(1) the quantity of waste generated in the county that was not processed prior to transfer to a disposal facility during the year preceding the report;

(2) the reasons the waste was not processed;

(3) a strategy for development of techniques to ensure processing of waste including a specific timeline for implementation of those techniques; and

(4) any progress made by the county in reducing the amount of unprocessed waste.

The report shall be included in the county report required by section 473.803, subdivision 3.

(b) The Pollution Control Agency shall approve a county's certification report if it determines that the county is reducing and will continue to reduce the amount of unprocessed waste, based on the report and the county's progress in development and implementation of techniques to reduce the amount of unprocessed waste transferred to disposal facilities. If the Pollution Control Agency does not approve a county's report, it shall negotiate with the county to develop and implement specific techniques to reduce unprocessed waste. If the Pollution Control Agency does not approve two or more consecutive reports from any one county, the Pollution Control Agency shall develop specific reduction techniques that are designed for the particular needs of the county. The county shall implement those techniques by specific dates to be determined by the Pollution Control Agency.

Subd. 3. **Facility certification.**

The operator of each resource recovery facility that receives waste from counties in the metropolitan area shall certify as unprocessible each load of mixed municipal solid waste it does not process. Certification must be made to each county that sends its waste to the facility at intervals specified by the county. Certification must include at least the number and size of loads certified as unprocessible and the reasons the waste is unprocessible. Loads certified as unprocessible must include the loads that would otherwise have been processed but were not processed because the facility was not in operation,

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but nothing in this section relieves the operator of its contractual obligations to process mixed municipal solid waste.

Subd. 4. **Pollution Control Agency report.**

The Pollution Control Agency shall include, as part of its report to the Environment and Natural Resources Committees of the senate and house of representatives, the Finance Division of the senate Committee on Environment and Natural Resources, and the house of representatives Committee on Environment and Natural Resources Finance required under section 473.149, an accounting of the quantity of unprocessed waste transferred to disposal facilities, the reasons the waste was not processed, a strategy for reducing the amount of unprocessed waste, and progress made by counties to reduce the amount of unprocessed waste. The Pollution Control Agency may adopt standards for determining when waste is unprocessible and procedures for expediting certification and reporting of unprocessed waste.

Subd. 5. **Definition.**

For the purpose of this section, waste is "unprocessed" if it has not, after collection and before disposal, undergone separation of materials for resource recovery through recycling, incineration for energy production, production and use of refuse-derived fuel, composting, or any combination of these processes so that the weight of the waste remaining that must be disposed of in a mixed municipal solid waste disposal facility is not more than 35 percent of the weight before processing, on an annual average.

History:

1985 c 274 s 35; 1989 c 325 s 66; 1991 c 337 s 81,82; 1993 c 249 s 43,44; 1994 c 585 s 49,50; 1995 c 247 art 2 s 51,52; 1996 c 470 s 27; 1Sp2005 c 1 art 2 s 161

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CHAPTER 16C. STATE PROCUREMENT

Minn. Stat. § 16C.05 CONTRACT MANAGEMENT; VALIDITY AND REVIEW.

Subdivision 1. **Agency cooperation and delegation.**

Agencies shall fully cooperate with the commissioner in the creation, management, and oversight of state contracts. Authority delegated to agencies shall be exercised in the name of the commissioner and under the commissioner's direct supervision and control. A delegation of duties may include, but is not limited to, allowing individuals within agencies to acquire goods, services, construction, and utilities within dollar limitations and for designated types of acquisitions. Delegation of contract management and review functions must be filed with the secretary of state. The commissioner may withdraw any delegation at the commissioner's sole discretion. The commissioner may require an agency head or subordinate to accept delegated responsibility to procure goods, services, or construction intended for the exclusive use of the agency receiving the delegation.

Subd. 2. **Creation and validity of contracts.**

(a) A contract and amendments are not valid and the state is not bound by them and no agency, without the prior written approval of the commissioner granted pursuant to subdivision 2a, may authorize work to begin on them unless:

(1) they have first been executed by the head of the agency or a delegate who is a party to the contract;

(2) they have been approved by the commissioner; and

(3) the accounting system shows an encumbrance for the amount of the contract liability, except as allowed by policy approved by the commissioner and commissioner of management and budget for routine, low-dollar procurements and section 16B.98, subdivision 11.

(b) Grants, interagency agreements, purchase orders, work orders, and annual plans need not, in the discretion of the commissioner and attorney general, require the signature of the commissioner and/or the attorney general. A signature is not required for work orders and amendments to work orders related to Department of Transportation contracts. Bond purchase agreements by the Minnesota Public Facilities Authority do not require the approval of the commissioner.

(c) Amendments to contracts must entail tasks that are substantially similar to those in the original contract or involve tasks that are so closely related to the original contract that it would be impracticable for a different contractor to perform the work. The commissioner or an agency official to whom the commissioner has delegated contracting authority under section 16C.03, subdivision 16, must determine that an amendment would serve the interest of the state better than a new contract and would cost no more.

(d) A record must be kept of all responses to solicitations, including names of bidders and amounts of bids or proposals. A fully executed copy of every contract, amendments to the contract, and performance evaluations relating to the contract must be kept on file at the contracting agency for a time equal to that specified for contract vendors and other parties in subdivision 5. These records are open to public inspection, subject to section 13.591 and other applicable law.

(e) The attorney general must periodically review and evaluate a sample of state agency contracts to ensure compliance with laws.

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(f) Before executing a contract or license agreement involving intellectual property developed or acquired by the state, a state agency shall seek review and comment from the attorney general on the terms and conditions of the contract or agreement.

Subd. 2a. **Emergency authorization.**

The commissioner may grant an agency approval to authorize work to begin on a contract prior to the full execution of the contract in the event of an emergency as defined in section 16C.10, subdivision 2.

Subd. 3.

[Repealed by amendment, 2014 c 196 art 2 s 4]

Subd. 4. **Contract administration.**

A contracting agency shall diligently administer and monitor any contract it has entered into. The commissioner may require an agency to report to the commissioner at any time on the status of any contracts to which the agency is a party.

Subd. 5. **Subject to audit.**

A contract or any pass-through disbursement of public funds to a vendor of goods or services or a grantee made by or under the supervision of the commissioner or any county or unit of local government must include, expressed or implied, an audit clause that provides that the books, records, documents, and accounting procedures and practices of the vendor or other party, that are relevant to the contract or transaction, are subject to examination by the contracting agency and either the legislative auditor or the state auditor, as appropriate, for a minimum of six years. If the contracting agency is a local unit of government, and the governing body of the local unit of government requests that the state auditor examine the books, records, documents, and accounting procedures and practices of the vendor or other party pursuant to this subdivision, the contracting agency shall be liable for the cost of the examination. If the contracting agency is a local unit of government, and the grantee, vendor, or other party requests that the state auditor examine all books, records, documents, and accounting procedures and practices related to the contract, the grantee, vendor, or other party that requested the examination shall be liable for the cost of the examination. An agency contract made for purchase, lease, or license of software and data from the state is not required to contain this audit clause.

Subd. 6. **Authority of attorney general.**

The attorney general may pursue remedies available by law to avoid the obligation of an agency to pay under a contract or to recover payments made if services performed or goods received under the contract are so unsatisfactory, incomplete, or inconsistent that payment would involve unjust enrichment. The contrary opinion of the contracting agency does not affect the power of the attorney general under this subdivision.

Subd. 7. **Contracts with Indian tribes and bands.**

Notwithstanding any other law, an agency may not require an Indian tribe or band to deny its sovereignty as a requirement or condition of a contract with an agency.

History:

1994 c 632 art 3 s 33; 1998 c 386 art 1 s 6; 1999 c 86 art 1 s 11; 1999 c 230 s 1; 2000 c 488 art 2 s 1; 1Sp2001 c 8 art 2 s 10; 1Sp2001 c 10 art 2 s 37; 2003 c 130 s 12; 1Sp2003 c 1 art 2 s 48,49; 2004 c 206 s 7; 2007 c 148 art 2 s 35,36; 2009 c 101 art 2 s 109; 2014 c 187 s 3; 2014 c 196 art 1 s 5; art 2 s 4

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2024 Anoka County Municipal Waste Abatement Grant Funding Award Letter

Contract number: C0010120

The Municipality of Ramsey is eligible for a total of $94,475.00 for their Municipal program abatement efforts in 2024, plus if awarded upon request up to an additional $20,000.00.

The total funding for the 2024 Residential Recycling Program is based on the budgeted amounts stated in the Municipal Waste Abatement Grant Funding Application.

The Grant Funding Award for Ramsey is as follows:

	Amount Eligible	Amount Requested	Amount Awarded
Base Funding Allocation	$ 59,625.00	$ 37,925.00	$ 37,925.00

	Amount Eligible	Amount Requested	Amount Awarded
Drop-off Grant	$ 15,000.00	$ -	$ -
General Enhancement Grant	$ 9,925.00	$ 9,925.00	$ 9,925.00
Organics Grant	$ 9,925.00	$ 6,000.00	$ 6,000.00
Labor & Staffing	$ -	$ 15,500.00	$ 15,500.00
Total (Base + Enhancement Funding + Labor & Staffing)	$ 94,475.00	$ 69,350.00	$ 69,350.00
Supplemental Funding	$ -	$ -	$ -
Total Funding Award (Base + Enhancement + Labor & Staffing and Supplemental)			**$ 69,350.00**

To the extent that the Municipality requested funds in excess of the total eligible amount, the excess amount in any category is denied.

The annual tonnage goal for Ramsey is: 3,100 tons

Reviewed by: Jill Curran Dated: 09/08/23

Approved by: Alison Peterson Dated: 09/08/2023

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Anoka County Municipal Waste Abatement Grant Funding Application

Cycle: *Annual* | Year: *2023* | Status: *Verified*

Member Name: *City of Ramsey*

2024 Applications are due June 2, 2023.

City of Ramsey is requesting the following funding for their 2024 Anoka County municipal waste abatement program efforts.

General Instructions

This application is provided to each municipality in Anoka County for funds to support and increase recycling activities and programs within the municipality.

The funds allocated in this application are based on the number of households in the municipality. The number of households is determined using the most current Met Council household data available. For calendar year 2024, 2021 Met Council data has been used to determine the number of households for this application.

There are three sections in this funding application:
- Base Funding
- Enhancement Funding
- Supplemental Funding

The Enhancement Funding section of the application also has three parts:
- Drop-off
- General Enhancement
- Organics Program Funding

Please complete each section of the grant application. A number value must be entered in each field before submitting the application. If no funds are being requested for any given field, enter a zero. **If a completed funding application isn't submitted by June 2, 2023, the municipality will not be eligible for funding.**

In a separate Re-TRAC form, reimbursement requests will be submitted twice a year.

USER TIPS

To contact support from within this form: Click "Support" at the top of the screen or "Program Support Request" in the green bar at the top of the form.

To print this form: Click the "Export" button found on upper top right corner of the form. You must save the form before you can export it.

To see eligible expenses within each section: Click "view eligible expense" in each section.

Click here to download the full Eligible Expenses document.

To save this form while working on it: Click "Save" at the bottom of the form and select "Save as Draft".

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To submit this form: Click "Save" at the bottom of the form and if there are no errors, click the "Mark as Complete" option. Note that once you mark the form as complete, you cannot make changes to it.

Eligible Expenses

The following items are examples of eligible expenses allowed for reimbursement.

Collection Expenses: If residents are charged recycling fees for curbside or recycling events, waste abatement funds will reimburse the difference between the fees collected and the cost of recycling or composting the materials.

Equipment: The cost to purchase, maintain and repair equipment that is used exclusively to operate the recycling or composting program.

Containers: The cost for recycling or organics containers.

Promotion: The entire cost of a publication if totally dedicated to waste reduction, recycling or composting information or a percentage of the cost for the portion of a municipal publication dedicated to waste management information.

Staffing: Labor and staffing directly related to recycling program administration and implementation may be funded up to 75% of total funding allocation. See Labor & Staffing section below for more information.

Ineligible Expenses

The following general operating expenses should NOT be submitted for reimbursement.

Standard Operational Expenses/Building Overhead: Since most of the municipal recycling coordinators are part-time positions and staff serve multiple roles at the municipality, standard operating expenses including office space rental, leasing office equipment and general office supplies, are not eligible for reimbursement.

Project Expenses: Specific to transportation, energy or ground water protection.

Collection Costs: The costs for general waste and recycling collection at municipal buildings, trash costs when advertised as being accepted at a recycling/cleanup day, and costs associated with road side cleanup of illegally dumped materials should not be included in this application.

General Municipal Staff: Staff time related to standard municipal operations (city administrator, office administration, facilities management, finance and legal staff) are not eligible for reimbursement. If municipal staff do not assist the recycling coordinator directly on activities to help the municipality achieve its recycling goal, e.g. communications and collecting, processing or marketing recyclable materials and organics, their time will not be reimbursed.

Click here to view previous years application:

Click here to download the full Eligible Expenses document.

2024 Total Funding Allocation

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Your Community has access to the following funds for 2024: $ 94,475.00

(An additional $20,000 in discretionary funds may be available through the Supplemental Funding section.)

2024 BASE Funding Allocation

All municipalities are eligible for base waste abatement grant funding. When completing this application, base funding requests should fall under one of the following categories:

- regular curbside collection,
- general operations of a drop-off center,
- costs for spring and fall recycling days,
- basic promotion,
- yard waste collection and
- percentage of time the recycling coordinator spends on waste abatement activities.

Base Funding is $10,000.00 base, plus $5.00/household (household counts are based on 2021 Met Council estimates)

Municipality Name:

City of Ramsey

MANAGE ONLY

# of households 9,925

Base Funding $ 10,000.00

Base Funding Additional (based on $5/household) $ 49,625.00

Total Base Funding Allocation $ 59,625.00

Curbside Collection

Complete ALL required fields below, if value is zero, enter "0.00".

Click here to download the Curbside Collection Eligible Expenses document.

Collection Service Provider Expenses * $ 452,000.00

Contamination Fees * $ 0.00

Additional Expenses * $ 6,625.00

Curbside Collection Expense Subtotal $ 458,625.00

Estimated Revenue * $ 452,000.00

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Curbside Collection Expenses $

6,625.00 *Negative values here will not carry forward to other sections.*

General Operations of a Drop-Off Center/Spring or Fall Recycling Day(s)

Click here to download the General Operations of a Drop-off Center/Spring or Fall Recycling Days Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

DO NOT include any expenses for tires, oil, antifreeze & oil filters. These expenses should be listed in the Problem Materials section.

Collection Service Provider Expenses * $ 3,000.00

Equipment * $ 1,000.00

Facility Expenses * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

General Operations of a Drop-off Expense Subtotal $

4,000.00

Estimated Revenue * $ 0.00

General Operations of a Drop-off Expenses $

4,000.00 *Negative values here will not carry forward to other sections.*

Promotion -- Base Funding

Click here to download the Promotion Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Printing * $ 10,200.00

Postage * $ 9,700.00

Advertising * $ 0.00

Volunteer Incentives * $ 0.00

Educational Entertainment * $ 500.00

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Promotion -- Base Funding Expenses $

20,400.00

Yard Waste/Tree Waste

Click here to download the Yard/Tree Waste Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 0.00

Equipment * $ 0.00

Yard Waste/Tree Waste Expenses Subtotal $

0.00

Estimated Revenue * $ 0.00

Yard Waste/Tree Waste Expenses $

0.00 *Negative values here will not carry forward to other sections.*

Problem Materials (Tires, Oil, Antifreeze, and Oil Filters)

Click here to download the Problem Materials Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Service Provider Expenses * $ 0.00

Estimated Revenue * $ 0.00

Problem Material Expenses $

0.00 *Negative values here will not carry forward to other sections.*

Program Administration -- Base Funding

Click here to download the Program Administration Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Office supplies * $ 100.00

Training * $ 500.00

Mileage * $ 0.00

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Membership Dues, Periodicals *	$ 300.00
Professional Services *	$ 6,000.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Program Administration- Base Funding Expenses $

6,900.00

Total BASE Funding Requested	$ 37,925.00
Funding Remaining	$ 56,550.00

2024 ENHANCEMENT Funding Allocation

The purpose of the Anoka County Municipal Waste Abatement grant funding program is to increase recycling and organics diversion and help the County achieve the State mandated goal of 75% recycling/composting by 2030. The County recognizes that this funding is needed to support established infrastructure costs that exceed the Base and each communities funding. To be eligible for grant funds, municipalities must apply for these funds. Applicants must itemize expenditures within each of the three grant sections, Drop-off, General Enhancement and Organics Program, below and calculate the total grant request for each category.

Drop-off Grant

This grant is allocated to cover additional drop-off center costs or events beyond the regularly scheduled spring and fall recycling days.

The grant for this section is $10,000.00 for municipalities with up to 4,999 households and $15,000.00 for municipalities with household counts 5,000 and over.

Below are examples of materials that can be collected for reuse or recycling. Only list organics expenses in the organics section.

Additional Reusable or Recyclable Materials Collected at Permanent Drop-off Centers or Special Events:
Appliances, Electronics, Mattresses*, Confidential Document Destruction, Fluorescent Bulbs, Household Batteries, Fire Extinguishers, Propane Tanks, Bicycles**, and Clothing**.

Additional Items:
Block and Shape Polystyrene, Cell Phones, Film Plastic/Bags, Furniture* **, Household Goods**, String Lights/Extension Cords, Printer Cartridges

* None of these materials should be advertised as being collected on a Recycling Day and then disposed of as trash
** Items that should be evaluated for reuse prior to recycling

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Drop-off Grant Amount Available $

15,000.00

Click here to download the Drop-off Eligible Expenses document.

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Permanent Drop-off Center Enhancements

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 0.00

New Equipment & Supplies * $ 0.00

New Construction * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Permanent Drop-off Center Enhancement Expenses Subtotal $

0.00

Estimated Revenue * $ 0.00

Permanent Drop-off Center Enhancement Expenses $

0.00 *Negative values here will not carry forward to other sections.*

Monthly or Quarterly Drop-off Events

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 0.00

New Equipment & Supplies * $ 0.00

User Coupon Incentives * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Monthly or Quarterly Drop-off Events Expense Subtotal $

0.00

Estimated Revenue * $ 0.00

Monthly or Quarterly Drop-off Event Expenses $

0.00 *Negative values here will not carry forward to other sections.*

Total Drop-off Grant Requested $

General Enhancement Grant

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The grant amount available for this section is calculated using $1.00/household.

General Enhancement Grant Amount Available $

9,925.00

Click here to download the General Enhancement Eligible Expenses document.

Park Recycling

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 2,000.00

Recycling Containers * $ 0.00

Recycling Bags * $ 1,500.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Park Recycling Expenses $

3,500.00

Special Municipal Programs or Events - Please list any organics expenses in the organics section.

Complete ALL required fields below, if value is zero, enter "0.00".

Service Provider Expenses * $ 500.00

Supplies & Containers * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Special Municipal Program or Event Expenses Subtotal $

500.00

Estimated Revenue * $ 0.00

Special Municipal Program or Event Expenses $

500.00 *Negative values here will not carry forward to other sections.*

Special Curbside Recycling Collection

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 0.00

Subsidy to Resident * $ 5,925.00

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Special Curbside Recycling Collection Expenses Subtotal $

5,925.00

Estimated Revenue * $ 0.00

Special Curbside Recycling Collection Expenses $

5,925.00 *Negative values here will not carry forward to other sections.*

Multi-Family Recycling Outreach

Complete ALL required fields below, if value is zero, enter "0.00".

Supplies & Containers * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Multi-Family Recycling Outreach Expenses $

0.00

Promotion -- Enhancement Funding

Complete ALL required fields below, if value is zero, enter "0.00".

Printing * $ 0.00

Postage * $ 0.00

Advertising * $ 0.00

Volunteer Incentives * $ 0.00

Educational Entertainment * $ 0.00

Promotion -- Enhancement Funding Expenses $

0.00

Total General Enhancement Grant Requested $

9,925.00

Organics Program Grant

The grant amount for this section is $0.50/household if additional curbside or drop-off grant programs are not offered to residents or $1.00/household if curbside or drop-off organics programs are offered to residents.

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Does your municipality offer curbside or drop-off organics programs to your residents? *

- (●) Yes
- ( ) No

Amount Available $ 9,925.00

Click here to download the Oranics Eligible Expenses document.

Organics Program Expenses

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * $ 6,000.00

Organics Equipment * $ 0.00

Organics Only - Promotion * $ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Organics Program Expenses Subtotal $ 6,000.00

Estimated Revenue * 0.00

Organics Program Expenses $ 6,000.00

Negative values here will not carry forward to other sections.

Total ENHANCEMENT Funding Requested $ 15,925.00

Labor & Staffing (All Programs)

Salary and labor expenses must be directly related to recycling program operations and administration. These expenses may be funded up to 75% of funding allocation (not including supplemental funding). The final % and expense amount for salary and labor will be determined after Anoka County approves the submitted staffing and labor metric.

Upload 2024 Staffing Metric and Drop-off Calculator *
2024 Staffing Metric and Drop-off Calculator.xlsx

Upload a scanned pdf of recent promotion for your current curbside or drop-off opportunities. It can be from a brochure, newsletter or from your website, for how your special curbside collection program works, and/or what is accepted at your city or town offices (during business hours), spring recycling event, permanent drop-off centers or other drop-off events. *
combined promo info.pdf

Click here to download the Curbside Collection Eligible Expenses document.

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Admin only: The approved Labor and Staffing % from your 2023 Staffing Metric has been inserted to provide an estimate of typical Labor and Staffing costs for your community. In general, this percentage has not changed much over the last two years. If your 2024 Staffing Metric % increases due to program changes, this will be taken into consideration to raise the %.

61 %

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Labor & Staffing Maximum Funds Available $

57,629.750

General Program Administration * $ 13,000.00

Program Implementation * $ 2,500.00

Total Labor & Staffing Expenses Requested: $ 15,500.00

Supplemental Funding Request

Supplemental grant funding is currently available to help support municipal waste abatement programs and/or new program development. Supplemental funding, however, should not be depended on for long-term program sustainability. Before requesting supplemental additional grant program dollars, it is critical that your municipality is willing to support and sustain the services before implementation.

Please be aware that there is a limited amount of supplemental funding available for this section. If the County receives more funding requests than funds, the funds may be reduced or denied for a municipalities supplemental funding request. Grants will be evaluated based on which projects best help the County meet the State mandated goal of 75% by 2030.

The maximum supplemental grant available may be up to $20,000.00 per municipality.

Supplemental Funding – may include:
- Collection service provider expenses for additional materials
- Additional expenses from construction and paving projects
- Large equipment purchases
- New program expenses

Do you need additional funds to grow existing waste abatement programs? *

○ Yes ◉ No

Summary of Funding Requested

Base Funding Requested $ 37,925.00

Enhancement Funding Requested

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Drop-off Grant Requested $

General Enhancement Grant Requested $ 9,925.00

Organics Program Grant Requested $ 6,000.00

Total Enhancement Funding Requested $

15,925.00

Labor & Staffing Funding Requested $ 15,500.00

Supplemental Funding Requested $

Total Funding Requested

$

69,350.00

Date: * 05/30/2023

Name: * Chris Anderson

Title: * Senior Planner

Total Funding Granted

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Base Funding Granted 37,925.00

MANAGE ONLY

Drop-off Funding Granted

MANAGE ONLY

General Enhancement Funding Granted 9,925.00

MANAGE ONLY

Organics Program Funding Granted 6,000.00

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Labor & Staffing Funding Granted	15,500.00

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Supplemental Funding Granted	

Total Funding Granted $ 69,350.00

MANAGE ONLY

Office Use Only

Received By: Sue Doll

Date: 05/30/2023

Manager Notes for Reporters:

Not requesting $25,125.00 of available funds.

Created: Apr 28, 2023 at 03:46 PM CDT

Robin WodziakRobin.Wodziak@co.anoka.mn.us

Last Updated: Jun 29, 2023 at 07:22 PM CDT

Sue DollSue.Doll@co.anoka.mn.us

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Contract# C0010120

ANOKA COUNTY HUMAN SERVICES
CONTRACTOR INFORMATION SHEET

Please review the following information for accuracy and completeness, indicate any changes, sign and return to:

Angie Rodine
Anoka County Human Services
2100 3rd Ave, Suite 500
Anoka, MN 55303

LEGAL NAME FOR CONTRACTOR: Ramsey, City of
(Legal name and name on Certificate of Insurance must be exactly the same in order for County Signatures to be obtained on the Contract.)

Doing Business As: Ramsey, City of

Business/Corporate Address: 7550 Sunwood Drive NW

Ramsey, MN 55303

National Provider Identification (NPI) #: NA

Federal Tax Identification #: 41-0910467
NOTICE: Federal Business Tax ID/Social Security Number is needed for tax purposes as mandated by Section 1211 of the Tax Reform Act of 1976 and Minn. Stat 270.66. This information will be shared with the Minnesota Department of Revenue, the Minnesota Department of Human Services, the Internal Revenue Service, and the U.S. Department of Health, Education and Welfare for the purposes of administering the income tax, child support obligation and social security tax programs.

Individual who Contractor is designating to receive notice under the contract and to act as the responsible authority for data requests under the Minnesota government data practices act (Minn. Stat. Chap. 13):

Name:	Phone:	Fax:	Email:
Chris Anderson	763-433-9817	763-427-5543	canderson@cityoframsey.com

Signature (Required): DocuSigned by: Chris Anderson 024EA2BB5DF648C... **Date:** 9/19/2023

Insurance Agency: _____ **Name of Agent:** _____

Telephone Number of Insurance Agent: _____

Person Completing this Form:

Name: Chris Anderson Title: Senior Planner

Phone: 763-433-9817 Fax: 763-433-9848 Email: canderson@cityoframsey.com

DocuSign

Certificate Of Completion

Envelope Id: E1227292CABD4035907556C5CB154254
Subject: City of Ramsey SCORE Contract# C0010120
Source Envelope:
Document Pages: 47 Signatures: 2
Certificate Pages: 5 Initials: 0
AutoNav: Enabled
EnvelopeId Stamping: Enabled
Time Zone: (UTC-06:00) Central Time (US & Canada)

Status: Sent

Envelope Originator:
Angie Rodine
Anoka County Government Center
2100 3rd Avenue
Anoka, MN 55303
angela.rodine@co.anoka.mn.us
IP Address: 156.98.106.233

Record Tracking

Status: Original
9/14/2023 3:00:22 PM
Security Appliance Status: Connected
Storage Appliance Status: Connected

Holder: Angie Rodine
angela.rodine@co.anoka.mn.us
Pool: StateLocal
Pool: HS-Public Health & Environmental Services

Location: DocuSign

Location: DocuSign

Signer Events	Signature	Timestamp
Chris Anderson canderson@cityoframsey.com Security Level: Email, Account Authentication (None)	DocuSigned by: Chris Anderson 024EA2BB5DF648C... Signature Adoption: Pre-selected Style Using IP Address: 156.142.37.94	Sent: 9/14/2023 3:06:21 PM Viewed: 9/19/2023 8:05:01 AM Signed: 9/19/2023 8:10:35 AM
Electronic Record and Signature Disclosure: Accepted: 9/19/2023 8:05:01 AM ID: 1a0b4809-98b8-4f7f-bb46-ae07ce19fd28 Company Name: Anoka County		
Mark Kuzma mkuzma@cityoframsey.com Mayor Security Level: Email, Account Authentication (None)	DocuSigned by: Mark E Kuzma B26F05B441C84AB... Signature Adoption: Drawn on Device Using IP Address: 24.118.210.3 Signed using mobile	Sent: 9/19/2023 8:10:38 AM Viewed: 9/19/2023 9:39:37 AM Signed: 9/19/2023 9:46:47 AM
Electronic Record and Signature Disclosure: Accepted: 9/19/2023 9:39:37 AM ID: 56c3c423-29c1-4ca0-9328-77094b8f52d5 Company Name: Anoka County		
Brian Hagen bhagen@cityoframsey.com Security Level: Email, Account Authentication (None)		Sent: 9/19/2023 9:46:51 AM Viewed: 9/19/2023 12:33:29 PM
Electronic Record and Signature Disclosure: Accepted: 9/19/2023 12:33:29 PM ID: 141e6e8c-f116-4c17-8315-7911c1d2d273 Company Name: Anoka County		
Cindy Cesare Cindy.Cesare@anokacountymn.gov Security Level: Email, Account Authentication (None)		
Electronic Record and Signature Disclosure: Accepted: 9/19/2023 10:44:41 AM ID: d5fe842b-77a5-437c-ac43-d7ce8f59f74f Company Name: Anoka County		

Signer Events	Signature	Timestamp
Rhonda Sivarajah Rhonda.Sivarajah@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Accepted: 9/19/2023 11:24:57 AM ID: da391265-3758-4b0f-b3ab-de8931213622 Company Name: Anoka County		
Kurt Deile Kurt.Deile@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Accepted: 9/19/2023 11:27:48 AM ID: b0607a79-5ee1-4dc4-9938-920f2508f253 Company Name: Anoka County		

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp
Angie Rodine Angela.Rodine@co.anoka.mn.us Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Accepted: 1/8/2021 1:44:58 PM ID: 6e2d50ad-740c-4672-beb3-aa4bab51e013 Company Name: Anoka County		

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp
Jill Rykhus Jill.Rykhus@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via DocuSign		
Jill Rykhus Jill.Rykhus@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via DocuSign		
Emily Peterson Emily.Peterson@anokcountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via DocuSign		

Carbon Copy Events	Status	Timestamp
Robin Wodziak Robin.Wodziak@anokacountymn.gov Security Level: Email, Account Authentication (None) **Electronic Record and Signature Disclosure:** Not Offered via DocuSign		

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	9/14/2023 3:06:21 PM

Payment Events	Status	Timestamps

Electronic Record and Signature Disclosure

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You may change your preferred method of contact whether electronically, or paper copies, or change your email address. You may also request paper copies of certain information from us, or withdraw your prior consent to receive documents. Please use the contact information below for your request and in the body of your correspondence, identify your desired action. If you are

changing an email address, please include your prior email address as well as your new address. If you no longer wish to receive future documents in electronic format, please include that request in the body of your email.

Email: helpdesk@co.anoka.mn.us
Phone: (763) 324-4110
Address: Anoka County Government Center
Attn: Information Technology, #300
2100 3rd Avenue
Anoka, MN 55303

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: https://support.docusign.com/guides/signer-guide-signing-system-requirements.

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- Until or unless you notify Anoka County as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Anoka County during the course of your relationship with Anoka County.

Councilmember ___ introduced the following resolution and moved for its adoption:

RESOLUTION #23-234

RESOLUTION TO ENTER INTO A RESIDENTIAL RECYCLING PROGRAM AGREEMENT WITH ANOKA COUNTY TO RECEIVE 2024 SCORE FUNDS

WHEREAS, Anoka County annually receives funding from the State of Minnesota pursuant to Minn. Stat. § 115A.557. This funding is provided by the Select Committee on Recycling and the Environment (SCORE); and

WHEREAS, in 2024, Anoka County will distribute the SCORE funds amongst municipalities using the following formula: a base allocation of $10,000 plus $5.00 per household; and

WHEREAS, in addition to base funding, the City of Ramsey is also eligible for additional targeted program funds to focus on activities such as monthly/quarterly drop-off events, general program enhancements, and organics recycling; and

WHEREAS, the Anoka County Board of Commissioners annually sets recycling goals for municipalities to achieve and the 2024 goals are based on 225 pounds per person for single-family households (up to four [4] units) and 150 pounds per person for multi-unit households (five [5] or more units); and

WHEREAS, the City of Ramsey's recycling goal for 2024 is 3,100 tons; and

WHEREAS, Anoka County wishes to assist municipalities in meeting the recycling goals established by the Anoka County Board of Commissioners by providing SCORE funds to municipalities for solid waste recycling programs; and

WHEREAS, SCORE funding can be, and previously has been, used to implement various components of the City's recycling program including: recycling and waste reduction education and awareness activities, notifying new residents of Ramsey's recycling program, spring and fall recycling events, and to fund the recycling coordinator position; and

WHEREAS, in order to receive SCORE funds, the City of Ramsey must enter into a Residential Recycling Program Agreement with Anoka County.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the Mayor and City Administrator are hereby authorized to sign the Agreement for Residential Recycling Program between the City of Ramsey and Anoka County to receive $69,350.00 of SCORE funds to administer the recycling program in 2024.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 26th day of September, 2023.

_____
Mayor

ATTEST:

_____
City Clerk