

**City of Ramsey**  
**Agenda**  
**Public Works Committee**  
**Tuesday, April 19, 2022**

**5:30 pm**

**Lake Itasca Room, 7550 Sunwood Drive NW**

Remote Attendance available at [www.cityoframsey.com/meetings](http://www.cityoframsey.com/meetings). To maximize social distancing due to the COVID-19 Pandemic, those that can join remotely are encouraged to do so. Those joining remotely and requesting to speak are asked to use a webcam when speaking.

- 1. Call to Order**
- 2. Citizen Input**
- 3. Approve Agenda**
- 4. Approve Minutes**
  1. Approve the following meeting minutes.
    1. Public Works Committee meeting minutes dated March 15, 2022.
- 5. Committee Business**
  1. Consider Recommending City Council Approval of Plans and Specifications and Award of Contract for Improvement Project #22-09, 2022 Pavement Rejuvenation Improvements
  2. Receive Updates on Temporary Signal System on Highway 47 at McKinley Street
- 6. Committee/Staff Input**
  1. Receive Updates on Improvement Projects, Studies and Items of Interest.
  2. Review Future Topics Calendar.
- 7. Adjournment**

**Public Works Committee**

4. 1.

**Meeting Date:** 04/19/2022

**Submitted For:** Grant Riemer, Engineering/Public Works

**By:** MaryJo Warner, Engineering/Public Works

**Title:**

Approve the following meeting minutes.

1. Public Works Committee meeting minutes dated March 15, 2022.

**Purpose/Background:**

Purpose: To review and approve meeting minutes.

Background: Attached are the meeting minutes for review.

**Timeframe:**

5 minutes.

**Observations/Alternatives:**

n/a

**Funding Source:**

n/a

**Recommendation:**

To review and approve meeting minutes dated March 15, 2022.

**Action:**

Motion to approve meeting minutes dated March 15, 2022.

**Attachments**

Minutes

**Form Review**

Inbox	Reviewed By	Date
Grant Riemer	Grant Riemer	04/14/2022 02:48 PM
Kurt Ulrich	MaryJo Warner	04/14/2022 04:30 PM
Form Started By: MaryJo Warner		Started On: 04/14/2022 02:04 PM
Final Approval Date: 04/14/2022		

**PUBLIC WORKS COMMITTEE  
CITY OF RAMSEY  
ANOKA COUNTY  
STATE OF MINNESOTA**

The Public Works Committee conducted a regular meeting on Tuesday, March 15, 2022, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present:     Chairperson Chris Riley  
                              Councilmember Debra Musgrove  
                              Councilmember Matt Woestehoff

Also Present:         Public Works Superintendent Grant Riemer  
                              City Engineer Bruce Westby  
                              Civil Engineer II Joe Feriancek

**1.     CALL TO ORDER**

Chairperson Riley called the regular meeting of the Public Works Committee to order at 5:30 p.m.

**2.     CITIZEN INPUT**

There was none.

**3.     APPROVE AGENDA**

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to approve the agenda, as presented.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Musgrove and Woestehoff.  
Voting No: None.

**4.     APPROVE MINUTES**

**4.01: Approve February 15, 2022, Meeting Minutes**

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to approve the following minutes:

Regular Meeting Minutes dated February 15, 2022

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove.  
Voting No: None.

**5.     COMMITTEE BUSINESS**

**5.01: Consider Recommending City Council Approving Plans and Specifications and Authorizing Advertisement for Bids for Sunwood Drive and Waco Street Reconstruction, Improvement Project #22-01**

Civil Engineer II Feriancek reviewed the staff report and recommendation of staff to recommend City Council approval of plans and specifications and authorizing advertisement for bids for Sunwood Drive and Waco Street Reconstruction, Improvement Project #22-01.

Chairperson Riley asked if the curb would be sprayed white during this project.

Civil Engineer II Feriancek replied that is not planned for this project. He noted that although that had been done in a previous project it is not recommended for this project.

City Engineer Westby replied that spraying existing curb with white curing compound is done for aesthetic purposes only, though it is needed for new curb and gutter to cure to full strength. He stated that curb repairs can be sprayed with a clear curing compound to avoid a situation where the new section stands out in white. He noted that the white curing compound does fade within several years and has additional cost.

Chairperson Riley acknowledged that it would depend upon the number of curb sections being replaced. He commented that he is not wanting to spend extra money or waste money but noted a past project where almost every other section was repaired, and the new white sections stood out.

Civil Engineer II Feriancek confirmed that this project has minimal spot repairs.

Councilmember Musgrove commented that she is not in favor of painting the curbs and asked if perhaps information on the curing and fading could be included in information sent to residents.

City Engineer Westby noted that on March 22<sup>nd</sup>, the City would place these cases on the consent agenda noting the recommendation of the Committee for approval, should that be the action tonight, in order to advertise for bids. He stated that when the bids come back, the projects would then appear on the regular agenda. He confirmed the consensus of the Committee with that process.

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to recommend City Council approval of plans and specifications and authorizing advertisement for bids for Sunwood Drive and Waco Street Reconstruction, Improvement Project #22-01 to be presented on the consent agenda at the next Council meeting.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Musgrove and Woestehoff.  
Voting No: None.

**5.02: Consider Recommending City Council Approving Plans and Specifications and Authorizing Advertisement for Bids for 2022 Neighborhood Pavement Overlay Improvements, Improvement Project #22-04**

Civil Engineer II Feriancek reviewed the case and recommendation of staff to recommend City Council approval of plans and specifications and authorizing advertisement for bids for 2022 Neighborhood Pavement Overlay Improvements, Improvement Project #22-04.

Chairperson Riley asked if the projects proposed tonight are in the worst condition.

City Engineer Westby stated that each year staff reviews the CIP and considers visual observations, complaints received, and the number of people using the road in order to schedule the projects.

Chairperson Riley recognized that there are most likely roads in worse condition than the roads in this project but noted that those roads would require reconstruction rather than an overlay for improvement.

Civil Engineer II Feriancek confirmed that the intent of an overlay is to keep a good road good. He stated that a rating of six or seven is needed for an overlay; once the road goes below that rating it would not be helped by an overlay.

Councilmember Musgrove asked for information on cost differences mentioned in the presentation.

Civil Engineer II Feriancek replied that the plans were about 95 percent complete when the case was developed and since that time the plans have been completed which would have accounted for the slight difference.

Councilmember Musgrove asked if there is grant funding included for this project.

Civil Engineer II Feriancek confirmed that grant funds would be used for inflow and infiltration improvements.

Councilmember Woestehoff asked if the increased cost from CIP to current estimates was due to increased project scope or inflation.

Civil Engineer II Feriancek replied that it was a combination of both. He noted that there were more ADA compliance issues identified for the project and staff also anticipates inflation.

Chairperson Riley commented that it was stated that for one road project 1.5 inches would be milled and replaced and asked if that would be adequate on this project.

Civil Engineer II Feriancek replied that milling and overlaying 2 inches is better but 1.5 inches would still be sufficient and would meet the City's standard practices.

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to recommend City Council approval of plans and specifications and authorizing advertisement for bids for 2022 Neighborhood Pavement Overlay Improvements, Improvement Project #22-04 to be presented on the consent agenda for the next Council meeting.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Musgrove and Woestehoff.  
Voting No: None.

**5.03: Consider Recommending City Council Approving Plans and Specifications and Authorizing Advertisement for Bids for Wood Pond Hills 2<sup>nd</sup>-5<sup>th</sup> Street Reconstructions, Improvement Project #22-06**

Civil Engineer II Feriancek reviewed the case and recommendation of staff to recommend that the City Council approve plans and specifications and authorize advertisement for bids for Wood Pond Hills 2<sup>nd</sup> – 5<sup>th</sup> Street Reconstructions, Improvement Project #22-06.

Councilmember Musgrove commented that part of this project was slated for 2026 and was moved up. She asked for details on timing and whether portions were included for 2022.

City Engineer Westby replied that one street was added to the project scope last year or the year before along with the curb and gutter repair.

Councilmember Musgrove asked if any of the project would be eligible for funding through the Lower Rum River Water Management Organization.

City Engineer Westby replied that the issues are caused by street runoff and therefore it would not be eligible for that type of funding.

Chairperson Riley stated that Junkite had been mentioned before and therefore he did not have a problem adding that section. He noted that most of the streets are cul-de-sacs which would typically have low traffic levels and therefore would lead him to believe they should be in better condition.

City Engineer Westby replied that the collector and through streets do get more general traffic but the same number of garbage trucks, delivery vehicles, etc. use the cul-de-sacs. He stated that staff attempts to go into a neighborhood to complete as much work as they can at one time to prevent doing work in that neighborhood over multiple years.

Chairperson Riley referenced Iodine which appears to stop at an addition line.

Civil Engineer II Feriancek confirmed that the entire area is being improved, but the work on the other side of the line is within the overlay project.

Councilmember Woestehoff referenced Helium and asked why that is not being worked on.

City Engineer Westby replied that was improved recently.

Councilmember Musgrove asked if construction vehicles would avoid 146<sup>th</sup> and instead use the streets that will be repaired.

City Engineer Westby replied that they do attempt to preserve streets that have been recently improved or that are in good condition and instead use streets that are going to be reconstructed or need reconstruction in attempt to minimize further damage.

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to recommend City Council approval of plans and specifications and authorizing advertisement for bids for Wood Pond Hills 2<sup>nd</sup> - 5<sup>th</sup> Street Reconstructions, Improvement Project #22-06 to be presented on the consent agenda at the next Council meeting.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Musgrove and Woestehoff.  
Voting No: None.

**5.04: Consider Recommending City Council Approving Plans and Specifications and Authorizing Advertisement for Bids for 2022 Crack Seal Improvements, Improvement Project #22-08**

Civil Engineer II Feriancek reviewed the case and recommendation of staff to recommend that the City Council approve plans and specifications and authorize advertisement for bids for 2022 Crack Seal Improvements, Improvement Project #22-08.

City Engineer Westby stated that the City has received COVID funds to be used for street maintenance and would propose to use those funds for 2022 pavement rejuvenation projects.

Councilmember Musgrove asked if this would be the second or third year with pavement rejuvenation.

City Engineer Westby replied that this would be the third year. He noted that the first year was just a trial, doing one section of a street. He commented that staff has been completing observations and taking photos to document the progress.

Councilmember Musgrove asked how long other cities have been using rejuvenation and whether there has been benefit shown.

City Engineer Westby replied that Saint Michael has been using rejuvenation for at least eight years and noted that many other cities have joined in using that improvement. He stated that the goal is to apply it on newer streets to prevent deterioration, though some cities have recently been applying it to older streets as pilot projects.

Councilmember Musgrove stated that she would agree that the funding should be increased.

Chairperson Riley agreed, as long as it makes sense.

City Engineer Westby commented that staff is still tracking the improvements that other cities are using for roads and will continue to do so.

Councilmember Woestehoff asked and received confirmation that the action tonight would be related to the crack seal project and the rejuvenation project will come back before the Committee.

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to recommend City Council approval of plans and specifications and authorize advertisement for bids for 2022 Crack Seal Improvements, Improvement Project #22-08 to be added to the consent agenda for the next Council meeting.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove. Voting No: None.

**5.05: Consider Recommending City Council Approval to Advance Construction of 2022-2031 Capital Improvement Program Projects #19-STR-004 and #21-PARK-002 from 2024 to 2023**

City Engineer Westby reviewed the case and recommendation of staff to recommend that the City Council approve advance construction of 2022-2031 Capital Improvement Program projects #19-STR-004 and #21-PARK-002 from 2024 to 2023.

Chairperson Riley asked how resident concerns would be addressed that the school construction would damage the road.

City Engineer Westby replied that the paving would be completed right before the time the school is proposed to be opened in the Fall of 2023. He stated that the City will work with construction traffic to access the site from Variolite using a temporary access road. He commented that this is a State aid street that is built for heavy traffic and therefore he does not have concerns, but again noted that heavy hauling could utilize a temporary access. He provided additional details on the proposed design of the road and trail.

Councilmember Musgrove asked why construction traffic would use Variolite, which was recently reconstructed, rather than using Armstrong which is a County road.

City Engineer Westby replied that the Armstrong and Alpine roundabout project will be going on during 2023 and that Armstrong may be reduced to a single lane. He commented that Variolite was built to handle this type of traffic.

Councilmember Musgrove commented that it would seem that the trucks coming in and out on the unfinished road would put more pressure on the foundation and then it would make sense to wait to put the final layer of the road on until construction is completed. She asked if 161<sup>st</sup> Avenue would be constructed to a better standard.

City Engineer Westby confirmed that 161<sup>st</sup> Avenue would be built to a higher standard.

Councilmember Musgrove agreed that it makes sense to repair the Central Park parking lot at the same time for efficiency.

Chairperson Riley asked if paving 157<sup>th</sup> Avenue, a gravel road, should be included as an alternative.

City Engineer Westby commented that there could be some cost savings in doing that with these projects.

Councilmember Woestehoff commented that regardless of the school project, 161<sup>st</sup> Avenue needs to be reconstructed and therefore he supports this action. He stated that he would still have questions related to drainage in this area. He asked whether curb and gutter would be added to the street.

City Engineer Westby replied that the street currently has a bituminous curb and typically like replacement is done meaning concrete curb and gutter would be proposed. He commented that if there are not ditches for drainage, they use curb and gutter. He commented that he is unsure there would be trunk storm sewer under the street, but they would push the drainage to available swales, ditches and/or low areas within easements.

Chairperson Riley confirmed the consensus of the Council that 161<sup>st</sup> should be moved up regardless of the school and that the parking lot for Central Park should be included as well.

City Engineer Westby stated that staff has not thought through all of the questions related to this project and therefore staff would have additional conversations before bringing it to the Council. He welcomed any additional considerations the Committee may have.

Councilmember Musgrove stated that she would like to include the potential paving of 157<sup>th</sup> Avenue and would like to know the potential cost and funding for that.

City Engineer Westby replied that staff could look further into possible funding options and bring that information back to the Council. He recognized the higher costs for 2022 projects with rising costs for construction and materials.

Chairperson Riley agreed that he would like to see that included as an alternate.

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to recommend that the City Council approve advance construction of 2022-2031 Capital Improvement Program projects #19-STR-004 and #21-PARK-002 from 2024-2023 and to consider adding paving of 157<sup>th</sup> as an alternative.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove. Voting No: None.

#### **5.06: Consider Recommendations to City Council for Flashing Yellow Arrow Improvements at Sunwood Drive and Ramsey Boulevard Intersection**

City Engineer Westby reviewed the case.

Chairperson Riley recognized the expense and asked if that cost would have been anticipated giving the age of the intersection.

City Engineer Westby guessed that a higher cost could have been estimated because of the age but commented that there was no way to know how extensive the improvements would be without the SEH study.

Chairperson Riley asked if there would be any improvements in the near future planned that could bring this cost down.

City Engineer Westby replied that he was not aware of anything that would precipitate that. He did not believe the Highway 10 improvements would drive that improvement but noted that could be a possibility. He commented that at this time there is nothing in the plans that would involve adjacent intersection improvements. He noted that he could ask that question.

Chairperson Riley commented that if there is a time in the future where something changes, he could possibly consider it at that time.

Councilmember Musgrove stated that perhaps this intersection was constructed before flashing yellow lights were allowed.

City Engineer Westby confirmed that he did not believe that option had been federally approved when the intersection was constructed.

Councilmember Musgrove asked if the estimated cost included inflation.

City Engineer Westby confirmed that the consultant used the most up to date bid information from Anoka County.

Councilmember Musgrove commented that she would not be in favor of this improvement at this time and agreed that perhaps this could be done as a part of another project.

Councilmember Woestehoff asked if there is an average lifecycle for a stoplight. He noted that this intersection is roughly 20 years old and perhaps upgrades could be made when replacement is needed.

City Engineer Westby replied that the position of Anoka County, as he understands it, is that flashing yellow light improvements are considered for those where two County roads meet. He stated that Anoka County may therefore not do any upgrades to this signal system and would only maintain the infrastructure.

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to recommend that the Council deny the proposal from SEH for flashing yellow improvements at the intersection of Sunwood Drive and Ramsey Boulevard.

Further discussion: City Engineer Westby replied that he can continue to research FYA options at this and other intersections and add that to the future topics calendar. Chairperson Riley agreed that could be done but confirmed the direction of the Committee that it would not support a cost of \$94,000 for the improvement.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Musgrove and Woestehoff.  
Voting No: None.

## **6. COMMITTEE / STAFF INPUT**

### **6.01: Staff Updates on Improvement Projects and Items of Interest**

City Engineer Westby provided an update on current and proposed City, County and MnDOT improvement projects and studies, and on other items of interest to the Committee.

### **6.02: Review Future Topics Calendar**

City Engineer Westby reviewed the future topics calendar.

## **7. ADJOURNMENT**

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to adjourn the Public Works Committee meeting.

Motion carried.

The regular meeting of the Public Works Committee adjourned at 6:58 p.m.

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Respectfully submitted,

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Grant Riemer  
Public Works Superintendent

Drafted by Amanda Staple  
*TimeSaver Off Site Secretarial, Inc.*

## Public Works Committee

5. 1.

**Meeting Date:** 04/19/2022

**Submitted For:** Joe Feriancek, Engineering/Public Works

**By:** Joe Feriancek, Engineering/Public Works

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### **Title:**

Consider Recommending City Council Approval of Plans and Specifications and Award of Contract for Improvement Project #22-09, 2022 Pavement Rejuvenation Improvements

### **Purpose/Background:**

#### **Purpose:**

The purpose of this case is to consider recommending City Council approval and plans and specifications and award of contract for Improvement Project #22-09, 2022 Pavement Rejuvenation Improvements.

#### **Background:**

##### Rejuvenator Use History:

In 2019, the City Council indefinitely suspended sealcoat improvements due to observed pavement stripping under sealcoat issues, which causes approximately the top inch of pavement to strip away from the underlying pavement. These areas of striping originally show as small spots in the surface of the pavement, but quickly migrate across the pavement into large sections.

In alignment with many other metro cities confronted with these same pavement issues, Staff feels pavement rejuvenators will provide the greatest overall benefit at the lowest cost. The City is proposing to use Reclamite, a maltene-based petroleum product with the ability to penetrate into asphalt pavement and restore reactive components (maltenes) that have been lost due to the natural process of oxidation.

Reclamite has been used nationally for more than 50 years and is proven to add 5 to 7 years of service life to pavements. The application is intended to be performed on pavements 5 years old or less, though several cities are completing pilot project applications on pavement sections older than 5 years. Staff will continue to monitor such applications and adjust future projects within the City of Ramsey based on observed results.

##### Future Considerations:

Regional contractors have taken note of metro Cities moving away from sealcoating and toward pavement rejuvenators. In 2020 a new product was released by Flint Hills Resources called Replentify. Replentify was tested by other metro city in 2021, and Staff has knowledge of it's larger scale use in 2022. At this time, Staff recommends observing how this new product performs in the field before beginning to use the product in Ramsey.

##### 2021 Rejuvenator Review

In 2021, the City treated 2.56 miles of pavement (44,861 square yards) across 6 subdivisions. This spring, Staff visually inspected streets treated during 2021, and found they had held up well. In general Staff observed the treated streets to dry quicker during the spring thaw, as well as noticing less additional cracks in the pavement. When viewed up close, the pavement appears to show less exposed aggregate than non-treated segments.

##### 2022 Proposed Rejuvenator Improvements

A map and street segment summary of the proposed 2022 Pavement Rejuvenator Improvements is attached to this case. The project proposes to cover 8.45 miles (151,457 square yards) of bituminous pavement across 21 subdivisions within the City. Staff focused on previous construction pavement age and location when determining the street segments to treat. Priority was given to recent reconstruction projects over recent overlay projects, due to the larger investment by the City on those street segments.

Staff has been in contact with Corrective Asphalt Materials (CAM) who is the sole source provider in Minnesota for Reclamite. A proposal for the work is attached to this case. Based upon the bid results of the 2022 Crack Seal Improvements, bid opening scheduled for May 2, 2022, Staff may have to adjust the street segments included in the project to match available funding.

**Timeframe:**

Staff estimates 15 minutes will be needed to present this case and respond to questions.

**Observations/Alternatives:**

**Observations:**

Staff will present a comparison of Brookfield 6th Addition, treated versus untreated segments.

**Alternatives:**

Alternative #1 – Motion to recommend City Council approval of plans and specifications and award of contract for Improvement Project #22-09, 2022 Pavement Rejuvenation Improvements.

Alternative #2 – Motion of other.

**Funding Source:**

Per the attached proposal from CAM the proposed construction costs of this project is \$143,884.15. With 14% indirect costs, the proposed project costs are \$164,027.93. Funds are proposed to come from funds remaining out of the \$200,000 budgeted for Crack Seals (\$58,364.12) plus recently received COVID Relief funds totaling \$102,316.00, which can only be used on pavement maintenance projects. This leaves an estimated funding short-fall of \$3,347.81. Staff proposes to address this short-fall once the Crack Seal bids are known by adjusting the pavement rejuvenator project size as necessary.

**Recommendation:**

Staff recommends alternative #1.

**Action:**

Motion to recommend City Council approval of plans and specifications and award of contract for Improvement Project #22-09, 2022 Pavement Rejuvenation Improvements.

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**Attachments**

[CAM Proposal](#)

[CAM Brochure](#)

[IP 22-09 Map](#)

[IP 22-09 Street Summary](#)

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**Form Review**

**Inbox**

Bruce Westby

Grant Riemer

Kurt Ulrich

Form Started By: Joe Feriancek

Final Approval Date: 04/14/2022

**Reviewed By**

Bruce Westby

MaryJo Warner

MaryJo Warner

**Date**

04/14/2022 03:34 PM

04/14/2022 03:55 PM

04/14/2022 04:30 PM

Started On: 04/12/2022 08:01 AM



Mailing Address:  
300 Daniel Boone Trail  
South Roxana, IL 62087  
Phone: 618-254-3855  
Fax: 618-254-2200

Locations:  
300 Daniel Boone Trail, South Roxana, IL 62087  
43W630 Wheeler Road, Sugar Grove, IL 60554

April 13, 2022

City of Ramsey MN  
7550 Sunwood Drive NW  
Ramsey, Minnesota 55303  
Joe Feriancek: [JFeriancek@ci.ramsey.mn.us](mailto:JFeriancek@ci.ramsey.mn.us)

RE: Reclamite project

Dear Mr. Feriancek  
Corrective Asphalt Materials, LLC (CAM, LLC) thanks you for the opportunity to bid the City of Ramsey, MN’s Asphalt Rejuvenator Project. Please accept the following as our formal proposal to apply Reclamite Maltene Based Rejuvenating Agent.

- Apply Reclamite to 151,457 SY of Asphalt Road Ways
  - **Total: 151,457 SY @ \$.95 per SY = \$143,884.15**

**CAM’s Responsibilities:**

- Furnish and apply Reclamite
- Furnish and apply limestone screenings
- Post Sweeping of limestone screenings
- Traffic Control and signage
- Post “NO PARKING” signs
- Attend to any issues that may arise from work

**City of Ramsey’s Responsibilities:**

- Resident Notifications

Price good for 30 days. Payment Net 30

**Mike Sumrall will be contacting you to schedule the project. Info: [mike@cammidwest.com](mailto:mike@cammidwest.com), Direct: 630-465-4142**

**Billing Information (please fill out upon acceptance)**

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Signature: \_\_\_\_\_

Again, thank you for the opportunity. We look forward to providing our professional services.

Sincerely,

Tina Revermann  
Operations Manager 618.484.7650

cc: Colleen West  
Business Development 314.267.9313

## Reclamite® Petroleum Maltene-Based Rejuvenating Agent

### ► What is Reclamite?

According to the National Center for Pavement Preservation “a true asphalt rejuvenator is a maltene-based petroleum product which has the ability to absorb or penetrate into an asphaltic concrete pavement and restore those reactive components (maltenes) that have been lost from the asphalt cement binder due to the natural process of oxidation.”

Reclamite comprises the same maltene fractions as the asphalt binder. Reclamite is refined from a naphthenic (wax free) base that seals and preserves the surface “in-depth”.



### ► How does it work?

Reclamite has been used for more than 50 years and is proven to add 5-7 years service life to pavements. It penetrates, rejuvenates and seals the surface by replenishing the lost maltene fraction in the asphalt binder. Maltene is necessary to make the surface durable and flexible. Reclamite fluxes with the asphalt binder, restoring the aggregate/asphalt bond.

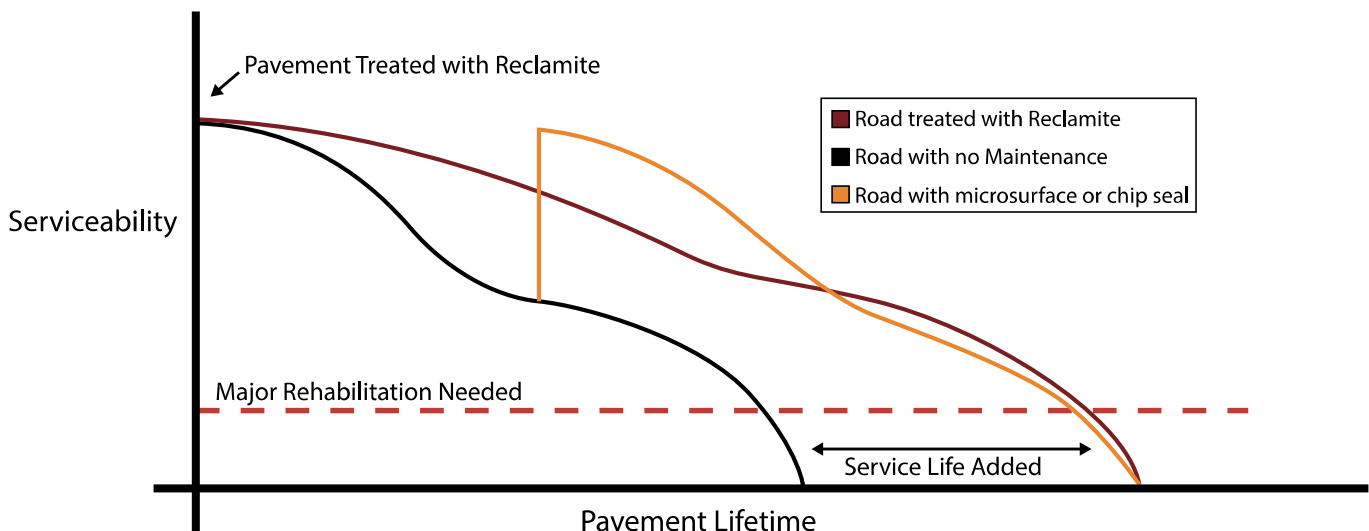
Reclamite prevents raveling and stripping and, by densifying the pavement’s surface, it helps address compaction issues, reduces surface permeability, and prevents air and moisture intrusion. It adjusts viscosity and penetration values. It does not contain degreasers, solvents or creosotes.

### Components of Asphalt.



### ► When should Reclamite be used?

Reclamite is a “top-of-the-curve” application. Apply to newer pavement (less than six years old in northern climates, less than ten years old in southern climates) that shows minimal signs of surface deterioration.



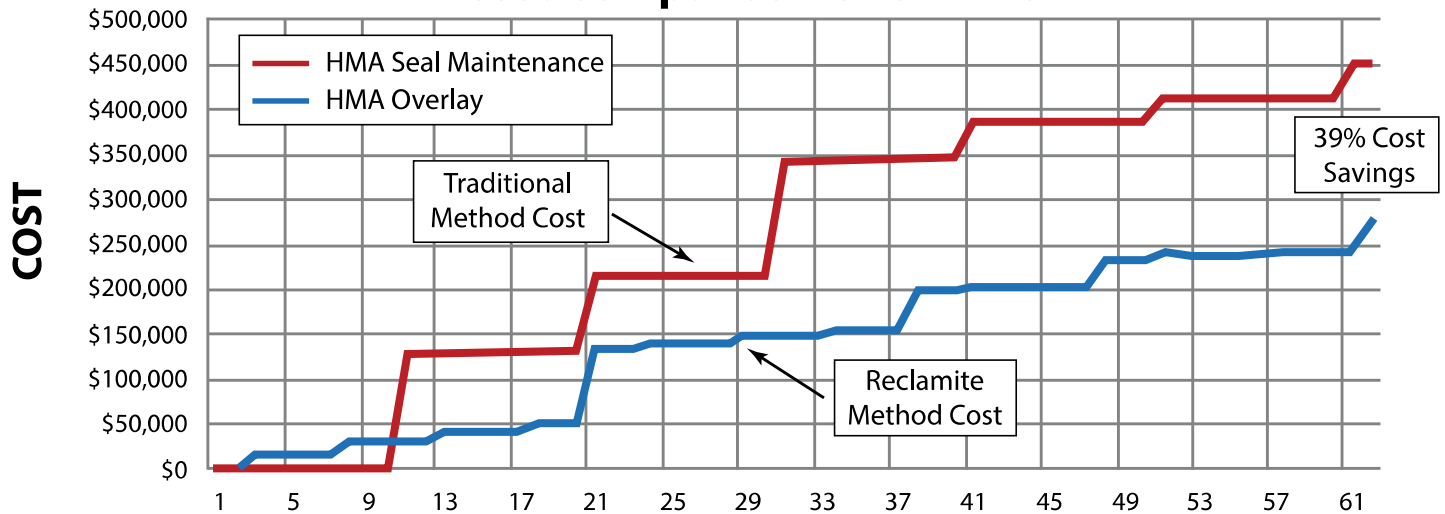
## ► How is Reclamite applied?

Reclamite is sprayed like a fog seal. The emulsion is diluted with water to 60 percent Reclamite. Application rates average between .05-.08 gallons per square yard. It is applied in one pass, has a 20-45 minute cure time and leaves no surface coating. Then a light coating of sand or limestone screenings is applied (1-2 pounds per square yard). The screenings are swept between 1-2 days after application. Striping is not compromised and remains visible throughout the application process.



Application of Reclamite

## Cost Comparison Over Time



Source: Town of Avon, Indiana Preservation Study. Schneider Engineering Case Study Presented at Purdue University [www.youtube.com/watch?v=dYIDAA2Ey4k](http://www.youtube.com/watch?v=dYIDAA2Ey4k)

## AVON PASER AVG. 1999-2013

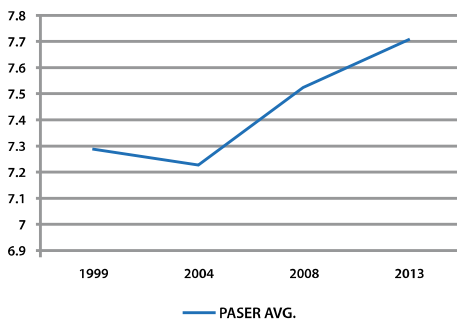


Chart shows average Paser ratings increasing after Reclamite program was initiated

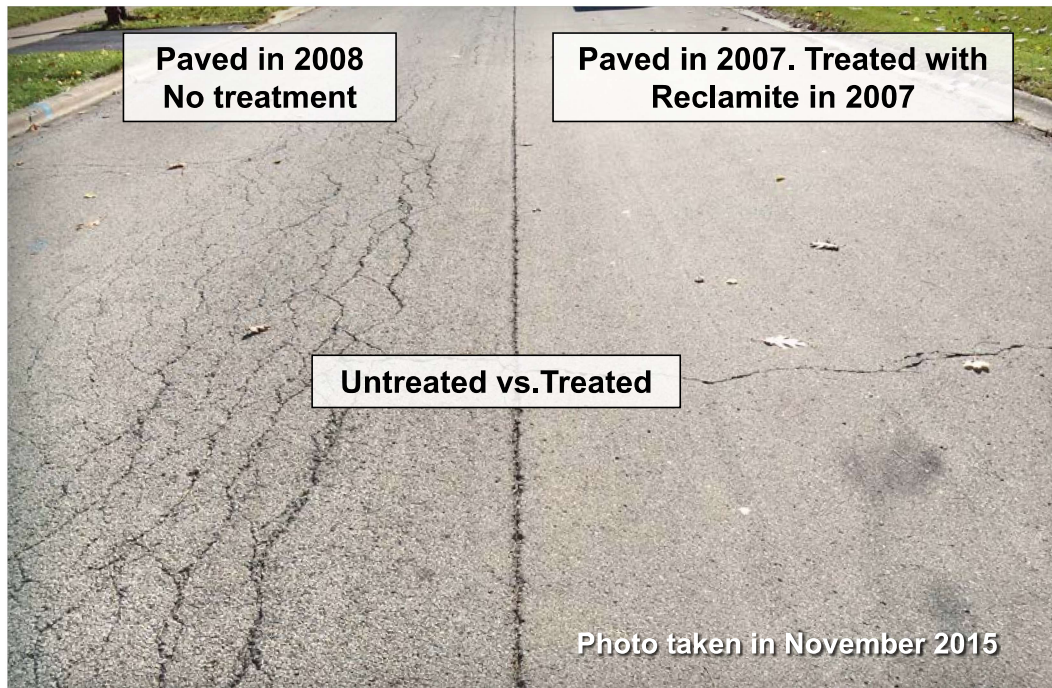
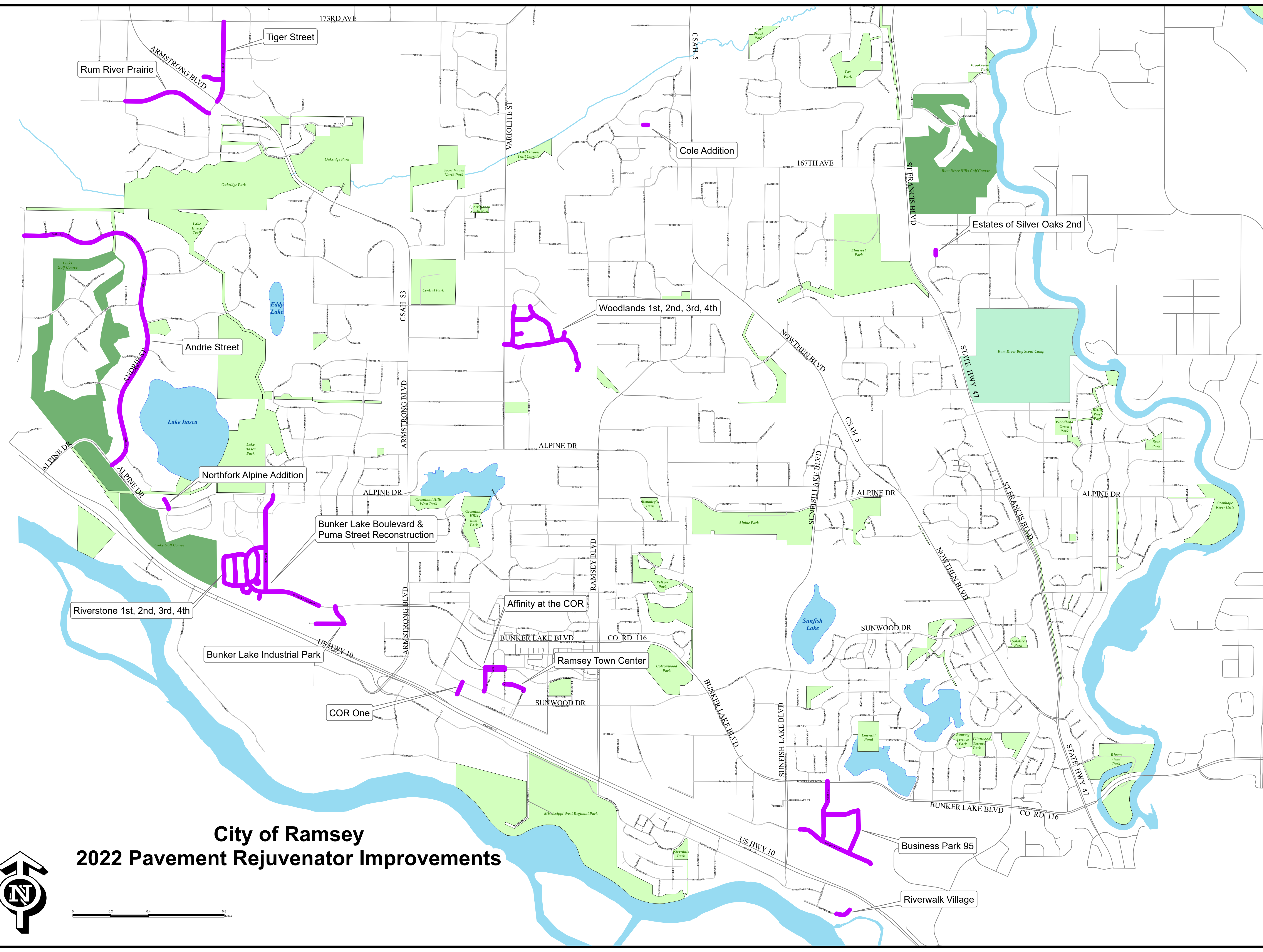


Photo taken in November 2015



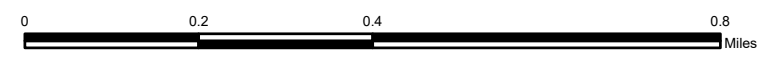
### Legend

**2022 Rejuvenator Project**

Pavt\_Reju

- 2022
- Streets2016
- Street Centerlines
- ScoutCamp
- Golf\_Courses
- Parks
- Rivers
- Lakes\_Ponds
- Creeks

## City of Ramsey 2022 Pavement Rejuvenator Improvements



**IP 22-09 2022 Pavement Rejuvenator Improvements  
Street Segment Summary**

<b>Project Area</b>	<b>Street Segment</b>	<b>Length (Miles)</b>	<b>Area (SY)</b>
Affinity at the COR	West Ramsey Parkway EB (Willemite St / Center St)	0.09	1213
	West Ramsey Parkway WB (Willemite St / Center St)	0.09	1186
	Willemite Street (Sunwood Dr / West Ramsey Prkwy)	0.12	2359
	<i>Affinity at the COR Total</i>	<i>0.31</i>	<i>4758</i>
Bunker Lake Industrial Park	147th Lane (Jackal St / CDS)	0.15	3327
	Jackal Street (Bunker Lake Blvd / 147th Ln)	0.10	1858
	<i>Bunker Lake Industrial Park Total</i>	<i>0.25</i>	<i>5184</i>
Cole Addition	168th Lane (EOP / CDS)	0.03	1005
	<i>Cole Addition Total</i>	<i>0.03</i>	<i>1005</i>
COR One	Yolite Street (Sunwood Dr / Veterans Dr)	0.23	3423
	<i>COR One Total</i>	<i>0.23</i>	<i>3423</i>
Estates of Silver Oaks 2nd	Lithium Street (S EOP / CDS)	0.06	1380
	<i>Estates of Silver Oaks 2nd Total</i>	<i>0.06</i>	<i>1380</i>
Northfork Alpine Addition	Alpine Court (Alpine Dr / CDS)	0.05	1125
	<i>Northfork Alpine Addition Total</i>	<i>0.05</i>	<i>1125</i>
Ramsey Town Center	145th Avenue (Center St / Sapphire St)	0.10	2015
	<i>Ramsey Town Center Total</i>	<i>0.10</i>	<i>2015</i>
Riverstone	149th Avenue (Rabbit St / 150th Ave)	0.09	1313
	150th Avenue (Rabbit St / E EOP)	0.08	1140
	150th Avenue (Rabbit St / W EOP)	0.04	625
	150th Lane (Rabbit St / W EOP)	0.04	522
	Quintana Circle (150th Ave / 150th Ave)	0.05	742
	Quintana Court (Rabbit St / CDS)	0.04	997
	Rabbit Street (150th Ave / N EOP)	0.15	2095
	Rabbit Street (Puma St / 150th Ave)	0.10	1570
	Rabbit Street (S EOP / Puma St)	0.11	1922
	<i>Riverstone Total</i>	<i>0.69</i>	<i>10926</i>
Riverstone 2nd	149th Avenue (E EOP / W EOP)	0.07	1037
	150th Lane (E EOP / W EOP)	0.10	1421
	Snowy Owl Street (149th Ave / 150th Ln)	0.16	2286
	<i>Riverstone 2nd Total</i>	<i>0.33</i>	<i>4744</i>
Riverstone 3rd	Tiger Street (149th Ave / 150th Ln)	0.13	2198
	<i>Riverstone 3rd Total</i>	<i>0.13</i>	<i>2198</i>
Riverstone 4th	Quintana Street (149th Crt / Rabbit St)	0.13	2197
	<i>Riverstone 4th Total</i>	<i>0.13</i>	<i>2197</i>
Riverwalk Village	Rivlyn Avenue (W EOP / CDS)	0.10	2108
	<i>Riverwalk Village Total</i>	<i>0.10</i>	<i>2108</i>
Rum River Prairie	169th Lane (Baugh St / Tiger St)	0.48	7885
	170th Court (Tiger St / CDS)	0.10	2333
	<i>Rum River Prairie Total</i>	<i>0.58</i>	<i>10218</i>
Woodlands	159th Avenue (Variolite St / Uranimite St)	0.04	674
	159th Court (Uranimite St / CDS)	0.05	1397
	Uranimite Street (159th Ave / 161st Ave)	0.20	3248
	<i>Woodlands Total</i>	<i>0.29</i>	<i>5320</i>
Woodlands 2nd	159th Avenue (Uranimite St / Sapphire St)	0.21	3344
	<i>Woodlands 2nd Total</i>	<i>0.21</i>	<i>3344</i>
Woodlands 3rd	160th Avenue (Uranimite St / Sapphire St)	0.12	2164
	Sapphire Street (159th Ave / 160th Ave)	0.19	3422
	Sapphire Street (160th Ave / N EOP)	0.04	787
	<i>Woodlands 3rd Total</i>	<i>0.35</i>	<i>6373</i>

Project Area	Street Segment	Length (Miles)	Area (SY)	
Woodlands 4th	159th Avenue (W EOP / Peridot Crt)	0.03	552	
	Peridot Court (159th Ave / CDS)	0.04	1079	
	Peridot Street (159th Ave / CDS)	0.20	3944	
	<i>Woodlands 4th Total</i>	<i>0.27</i>	<i>5575</i>	
Tiger Street Reconstruction	Tiger Street (Armstrong Boulevard / 173rd Avenue)	0.43	6984	
	<i>Tiger Street Reconstruction Total</i>	<i>0.43</i>	<i>6984</i>	
		0	1.20	25862
Business Park 95 Street Reconstruction	140th Avenue (Radium St / Unity St)			
	McKinley Street (Unity St / 400 ft east of Sunfish Lake Blvd)			
	McKinley Street (Unity St / CDS)			
	Radium Street (McKinley St / 140th Ave)			
	Unity Street (CR 116 / McKinley St)			
	<i>Business Park 95 Street Reconstruction Total</i>	<i>1.20</i>	<i>25862</i>	
		0	1.89	28762
Andrie Street Reconstruction	164th Lane (Andrie St / Jarvis St)			
	Andrie Street (Alpine Dr / 164th Ln)			
	<i>Andrie Street Reconstruction Total</i>	<i>1.89</i>	<i>28762</i>	
		0	0.81	17957
Bunker Lake Boulevard and Puma Street Reconstruction	Puma Street (Bunker Lake Blvd / Alpine Dr)			
	Bunker Lake Boulevard (Puma St / Jackal St)			
	<i>Bunker Lake Boulevard and Puma Street Reconstruction Total</i>	<i>0.81</i>	<i>17957</i>	
<b>Project Total</b>		<b>8.45</b>	<b>151457</b>	

**Public Works Committee**

5. 2.

**Meeting Date:** 04/19/2022

**By:** Bruce Westby, Engineering/Public Works

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**Title:**

Receive Updates on Temporary Signal System on Highway 47 at McKinley Street

**Purpose/Background:**

**Purpose:**

The purpose of this case is to provide the Committee with updates on a temporary signal system under construction at the intersection of Highway 47 and McKinley Street in the City of Anoka.

**Background:**

In April of 2022, construction started on a temporary signal system at the intersection of McKinley Street and Highway 47. City Staff was not aware that this signal system was proposed for construction and contacted Staff at the City of Anoka for an update on what was driving the installation of this signal system, and what analysis, if any, had been done to ensure there would not be negative impacts to drivers in the City of Ramsey. Staff was directed to the City of Anoka’s website where a webpage for their Highway 47 Corridor Plan resides.

The Highway 47 Corridor Plan studied Highway 47 from the Anoka County fairgrounds to south of Bunker Lake Boulevard. The project webpage includes links to documents presented at the February 20, 2020 neighborhood meeting, the Highway 47 Corridor Plan, and a conceptual design video, which does not show a signal system at McKinley Street. The webpage link is <https://clients.bolton-menk.com/anokahwy47/>.

In early 2021, legislation was introduced through Senate File 2072 and House File 2198 stating “If left turn lanes are constructed on marked Trunk Highway 47 at the intersection with? McKinley Street in Anoka, the commissioner of transportation must install a traffic-control? signal at the intersection.” Attached are copies of the house and senate files for reference. As part of the Anoka Solution Highway 10 project, striping revisions are proposed for the intersection of Highway 47 and McKinley Street to add left turn lanes at this intersection, which is resulting in the installation of the temporary signal system. This temporary signal system is proposed to become operational in less than a month.

MnDOT will present an update on the Highway 10 construction projects, including off-system improvements including the temporary signal system at McKinley Street and Highway 47, to the Anoka County Transportation Committee at 8:30 AM on Monday, April 18th. The City Engineer plans to attend this meeting and will provide an update to the Public Works Committee on Tuesday including a summary of discussions from the meeting, as well as highlights of any findings or conclusions noted within the Highway 47 Corridor Plan.

**Timeframe:**

Staff estimates 15 minutes will be needed to present this case and respond to questions.

**Observations/Alternatives:**

This is one of several improvements being constructed off of Highway 10 within the City of Anoka. For instance, a temporary signal system is also being installed on 4<sup>th</sup> Avenue at Pleasant Street in the City of Anoka. Off-system improvements such as these are generally identified when traffic control is being designed, or after a contract is awarded and the contractor identifies such needs. Similar improvements may need to be constructed as part of the Ramsey Gateway Highway 10 Improvements project.

**Funding Source:**

N/A

**Recommendation:**

Staff has no recommendations at this time.

**Action:**

No formal action required. For Committee review and discussion purposes only.

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**Attachments**

Senate File 2072

House File 2198

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**Form Review**

<b>Inbox</b>	<b>Reviewed By</b>	<b>Date</b>
Grant Riemer	MaryJo Warner	04/14/2022 04:24 PM
Kurt Ulrich	MaryJo Warner	04/14/2022 04:30 PM
Form Started By: Bruce Westby		Started On: 04/14/2022 11:07 AM
Final Approval Date: 04/14/2022		

**SENATE  
STATE OF MINNESOTA  
NINETY-SECOND SESSION**

**S.F. No. 2072**

(SENATE AUTHORS: ABELER, Hoffman, Kiffmeyer and Rosen)

DATE	D-PG	OFFICIAL STATUS
03/15/2021	909	Introduction and first reading Referred to Transportation Finance and Policy

1.1 A bill for an act

1.2 relating to transportation; requiring the commissioner of transportation to install

1.3 a traffic-control signal at the intersection of marked Trunk Highway 47 and

1.4 McKinley Street in Anoka.

1.5 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

1.6 Section 1. **TRAFFIC-CONTROL SIGNAL REQUIRED.**

1.7 If left turn lanes are constructed on marked Trunk Highway 47 at the intersection with

1.8 McKinley Street in Anoka, the commissioner of transportation must install a traffic-control

1.9 signal at the intersection.

1.10 **EFFECTIVE DATE.** This section is effective the day following final enactment.

This Document can be made available  
in alternative formats upon request

State of Minnesota

HOUSE OF REPRESENTATIVES

NINETY-SECOND SESSION

H. F. No. **2198**

03/15/2021 Authored by Heinrich and Stephenson  
The bill was read for the first time and referred to the Committee on Transportation Finance and Policy

1.1 A bill for an act  
1.2 relating to transportation; requiring the commissioner of transportation to install  
1.3 a traffic-control signal at the intersection of marked Trunk Highway 47 and  
1.4 McKinley Street in Anoka.

1.5 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

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1.7 If left turn lanes are constructed on marked Trunk Highway 47 at the intersection with  
1.8 McKinley Street in Anoka, the commissioner of transportation must install a traffic-control  
1.9 signal at the intersection.

1.10 **EFFECTIVE DATE.** This section is effective the day following final enactment.

## Public Works Committee

6. 1.

**Meeting Date:** 04/19/2022

**By:** Bruce Westby, Engineering/Public Works

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### **Title:**

Receive Updates on Improvement Projects, Studies and Items of Interest.

### **Purpose/Background:**

The purpose of this case is to update the Public Works Committee on current and proposed City, County and MnDOT improvement projects and studies, and on other items of interest to the Committee.

### **City Improvement Projects**

- **Sunwood Drive & Waco Street Reconstructions (IP #22-01)**
  - Plans were prepared in-house
  - Bids will be opened May 2, 2022
  - Council will consider awarding a construction contract May 10, 2022
- **Autumn Heights Street Reconstructions (IP #22-02)**
  - Plans are being prepared in-house
  - Council to consider approving plans and authorizing bids at future meeting
- **2022 MSA Pavement Overlay Improvements (IP #22-03)**
  - Plans are being prepared in-house
  - Council to consider approving plans and authorizing bids at future meeting
- **2022 Neighborhood Street Overlay Improvements (IP #22-04)**
  - Plans are being prepared in-house
  - Bids will be opened May 2, 2022
  - Council will consider awarding a construction contract May 10, 2022
- **Riverdale Drive Trunk Utility Improvements (IP #22-05)**
  - Change Order #1 approved April 12, 2022
  - Under construction
- **Wood Pond Hills 2nd, 3rd, 4th, 5th Street Reconstructions (IP #22-06)**
  - Plans were prepared in-house
  - Bids will be opened May 2, 2022
  - Council will consider awarding a construction contract May 10, 2022
- **2022 Crack Seal Improvements (IP #22-08)**
  - Plans were prepared in-house
  - Bids will be opened May 2, 2022
  - Council will consider awarding a construction contract May 10, 2022
- **WTP Trunk Watermain Improvements (#21-08)**
  - First bids rejected
  - Revising plans to reduce project costs
  - Re-bid revised plans in 2022 or early 2023
  - September 2023 completion deadline
- **Centralized Water Treatment Plant (#21-09)**
  - AE2S is preparing plans and handling construction administration
  - 60-percent plans under review
  - Project completion anticipated October 2023
- **Fire Station No. 1 Parking Lot Improvements (#21-10)**
  - 2022 construction project
- **Ramsey Gateway Highway 10 Improvements (IP #20-11)**

- Preliminary design complete
- Final design underway and property acquisitions in progress
- Construction anticipated late 2023 through early 2026
- **Wetland 114P Outlet Control Improvements (#19-07)**
  - Requested by Minnesota DNR
  - Staff is preparing plans
  - Construction proposed for 2023

### City of Anoka Improvement Projects

- **Highway 47 Corridor Improvements**
  - Construction proposed for 2025
  - Webpage @ <https://clients.bolton-menk.com/anokahwy47/>
  - Updates on temporary signal system at McKinley Street will be discussed as a separate case

### Anoka County Improvement Projects

- **Roundabout at Armstrong Boulevard/CSAH 83 and Alpine Drive (IP #23-03)**
  - Anoka County received \$1.35M in HSIP funds (est. project cost = \$1.5M)
  - Anoka County and City of Ramsey share \$150,000 each (per \$1.5M est.)
  - Anoka County/WSB preparing plans
  - Construction proposed for 2023, pending City & County approvals
  - Council will consider approving JPA in April/May 2022

### MnDOT Improvement Projects

- **Anoka Solution Highway 10 Improvements**
  - Construction underway with completion proposed in Spring 2024
- **US 10 / 169 & Ferry Street / TH 47 Interchange**
  - Construction underway with completion proposed in Spring 2024
- **Ferry Street / Trunk Highway 47 Grade Separation @ BNSF Rail Crossing**
  - Preliminary design on hold
  - MnDOT exploring realignment of Highway 47 to remove S-curve
  - \$45M in bonds authorized October 2020
  - Construction proposed for 2024 or later
- **Rum River Bridge Replacement**
  - Construction underway with completion proposed in Spring 2024
  - Proposing three lanes each direction between Highway 47 and 7<sup>th</sup> Street

### Studies & Items of Interest

- **5805 148<sup>th</sup> Lane NW**
  - No updates at this time. Property owners like everything as is.
- **FYA Improvements at Sunwood Drive and Ramsey Boulevard**
  - Staff will inform Anoka County that the City does not want to construct FYA improvements following Council approval of the March PWC minutes.
- **Elk River Highway 10 Corridor Study**
  - Update anticipated May 2022

### **Timeframe:**

Staff estimates up to 15 minutes will be needed for updates and discussion.

### **Observations/Alternatives:**

N/A

### **Funding Source:**

N/A

**Recommendation:**

Staff does not have any recommendations to offer on these topics at this time.

**Action:**

No formal action required. For Committee review and discussion purposes only.

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**Attachments**

*No file(s) attached.*

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**Form Review**

**Inbox**

Grant Riemer

Kurt Ulrich

Form Started By: Bruce Westby

Final Approval Date: 04/14/2022

**Reviewed By**

Grant Riemer

MaryJo Warner

**Date**

04/14/2022 02:47 PM

04/14/2022 04:30 PM

Started On: 04/14/2022 11:09 AM

**Public Works Committee**

6. 2.

**Meeting Date:** 04/19/2022

**By:** Bruce Westby, Engineering/Public Works

**Title:**

Review Future Topics Calendar.

**Purpose/Background:**

Attached is a calendar of future topics for review and discussion by the Public Works Committee. The calendar includes topics drawn from Committee requests received during meetings and/or unresolved topics previously discussed by the Committee. Calendar dates are subject to change based on the availability of information and required attendees, staff workload, and competing interests and objectives.

**Timeframe:**

Staff estimates less than 5 minutes will be necessary to review the future topics calendar and address questions.

**Observations/Alternatives:**

N/A

**Funding Source:**

N/A

**Recommendation:**

Staff recommends reviewing the attached calendar and to either approve the calendar by consensus or to direct Staff to revise the calendar as follows; \_\_\_\_\_.

**Action:**

No formal action required. For Committee review and discussion purposes only.

**Attachments**

PWC Calendar Apr2022

**Form Review**

Inbox	Reviewed By	Date
Grant Riemer	Grant Riemer	04/14/2022 01:29 PM
Kurt Ulrich	MaryJo Warner	04/14/2022 04:30 PM
Form Started By: Bruce Westby		Started On: 04/14/2022 11:09 AM
Final Approval Date: 04/14/2022		

**Public Works Committee Future Topics Calendar \***

<b>Date</b>	<b>Topics for Discussion – Committee Action</b>
May 2022	Sunfish Lake Sedimentation Basin Improvements <i>(Westby)</i>
May 2022	External Funding Assistance for Wet Basements <i>(Westby)</i>
Future/TBD	Sunwood Drive Roundabout Landscaping <i>(Riemer)</i>
<b>Date</b>	<b>Topics for Discussion – Regulatory</b>
Future/TBD	Sunfish Lake Blvd./CSAH 57 Speed Study Results <i>(Westby)</i>
Future/TBD	Bunker Lake Blvd./CSAH 116 Speed Study Results <i>(Westby)</i>
<b>Date</b>	<b>Topics for Discussion – Policy</b>
Future/TBD	Landscaped Median Maintenance Policy <i>(Riemer)</i>
June 2022	Draft Trail Maintenance Policy <i>(Westby)</i>
June 2022	Draft Stormwater Pond Maintenance Policy <i>(Westby)</i>
<b>Date</b>	<b>Topics for Discussion – Planning and Budget</b>
Future/TBD	Review 1996 and 2007 (unadopted) TH 47 Corridor Studies <i>(Westby)</i>
Future/TBD	Asset Management Program <i>(Westby)</i>
Future TBD	Replace City monument sign TH 47 & Bunker Lk Blvd. <i>(Riemer)</i>
Future/TBD	Targeted Trail Gap Connection Planning <i>(Riemer)</i>
<b>Date</b>	<b>Topics for Discussion – Staff Updates</b>
Ongoing	Elk River Highway 10 Corridor Study <i>(Westby)</i>
Ongoing	Anoka County Nowthen Blvd/CSAH 5 Corridor Study <i>(Westby)</i>
Ongoing	Project Review Process Improvements
Ongoing	Flashing Yellow Arrow Improvement Options

\* Dates subject to change based on availability of information, required attendees, staff workload, and competing interests and objectives.