City of Ramsey
Agenda
City Council Special Work Session
Tuesday, July 16, 2019
Immediately Following Public Works Committee
Lake Itasca Room, 7550 Sunwood Drive NW

1. Call to Order

2. Topics for Discussion

1. Receive Update on Ramsey Gateway Project: Highway 10/169 Plan

2. Staff Update on Water Supply System Request for Proposals

3. Adjournment

CC Special Work Session
Meeting Date: 07/16/2019

Title:
Receive Update on Ramsey Gateway Project: Highway 10/169 Plan

Purpose/Background:
Staff and Planning/Design Consultant (Bolton and Menk) will provide an update on planning efforts for Highway 10/169 and seek policy direction on preferred alternatives for Sunfish Lake Boulevard and Ramsey Boulevard Interchanges. See the attached presentation for more specifics.

Recommendations and Talking Points:

- Staff and Technical Advisory Committee (TAC) recommends the Folded Diamond Alternative for Ramsey Boulevard.
- Staff and Technical Advisory Committee (TAC) needs policy direction for Sunfish Lake Boulevard regarding the railroad crossing. Staff will present these scenarios along with associated costs and benefits at the meeting. Staff and TAC have been unable to formulate a recommendation without this important policy direction. This is the most important policy direction the Council can provide this evening.
- Residential properties on the south side of Riverdale Drive west of Sunfish Lake Boulevard have expressed concern about mixing southbound Sunfish Lake Boulevard to eastbound Highway 10/169 onto Riverdale Drive.
- Staff continues to discuss options to extend Riverdale Drive east of Tungsten Street with impacted owners. This item does not have to be resolved today, as there are options to consider upon final design.

The Anoka County Board of Directors Transportation Committee is scheduled to receive this same update on Wednesday, July 17. Staff has also recently met with the MnDOT Metro District Engineer and North Area Manager.

Timeframe:
60 Minutes

Funding Source:
The Planning Study is funded by the Public Improvement Revolving (PIR) Fund.

Responsible Party(ies):
Community Development Director

Outcome:
The primary outcomes desired are as follows:

1. Select Folded Diamond as Preferred Alternative at Ramsey Boulevard
2. Provide direction on Rail Grade Separation/No Rail Grade Separation at Sunfish Lake Boulevard

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Attachments

Presentation

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	07/11/2019 04:14 PM

Form Started By: Tim Gladhill Started On: 07/11/2019 02:00 PM
Final Approval Date: 07/11/2019

Ramsey Highway 10 Corridor Improvements

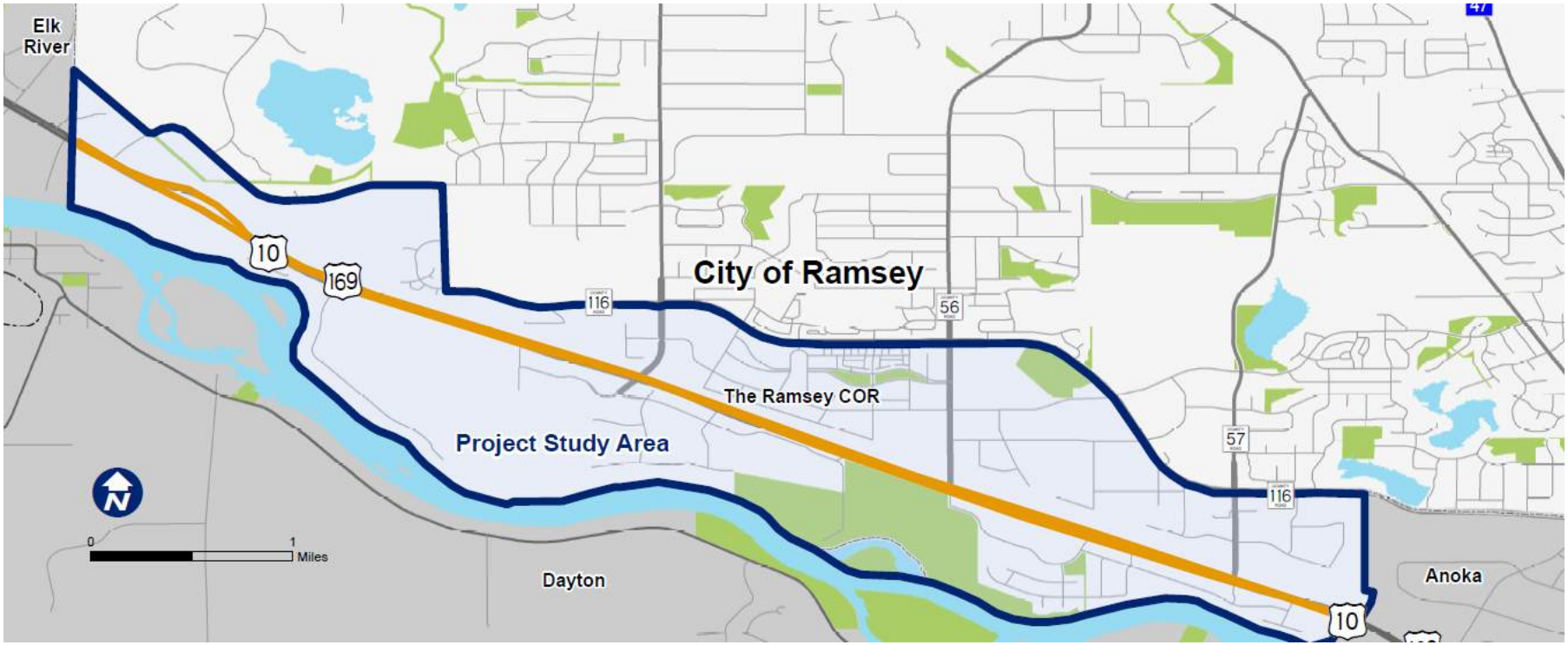
City of Ramsey

City Council Work Session

July 16, 2019

Meeting Overview

- ✓ Recap Public Input
- ✓ Ramsey Blvd TAC Recommendation
- ✓ Sunfish Lake Rail Grade Separation?
- ✓ Next Steps



CITY OF RAMSEY GATEWAY

Ramsey Gateway Highway 10 Project
Business & Property Meetings

Ramsey City Hall - 7:30 - 8:30 am

Wednesday, May 22, 2019 — **Sunfish Lake Blvd Group**

Thursday, May 23, 2019 — **Ramsey Blvd Group**

Meeting Format: Presentation and Group Discussion

13 Business & Property Owners Signed In

CITY OF RAMSEY GATEWAY

What We Heard

Desire to know **construction time line and impacts** to properties

Desire for **frontage roads** to be constructed before Highway 10 reconstruction and completion of the Anoka Highway 10 project

Concern that **non-traditional Highway 10 access** may confuse customers

Concern for impacts to **recent investments** or **lost** revenue due to unknowns

*Roundabouts are not ideal for industrial park access

Concern with business visibility impacted by potential Highway 10 median barrier.

Riverdale Drive is heavily used by traffic avoiding backups on Highway 10 and many bicyclists

*Space for **snow removal and storage** is an issue

*Sunfish Lake Blvd **roadway bridge over railroad** not perceived as necessary

Drainage is an issue along Highway 10 *

* specific to Sunfish Lake Blvd ** specific to Ramsey Blvd

Ramsey Gateway Highway 10 Project

Public Open House

Tuesday, June 4, 2019
Ramsey City Hall
5 pm-7 pm

Open House Format:
Project Informational Boards and Discussion

102
Attendees Signed In

What We Heard

Frontage road connections are important and need to accommodate large trucks to and from businesses

Desire for selection of alternatives that are most **fundable and efficient** as a single vision for Highway 10 in Ramsey

How attendees heard about the open house:
89% Mailing
7% Email
2% Social Media
2% Word-of-Mouth

Desire to know **construction time line and impacts** to properties

Desire to see project sensitivity for environmental resources, planned green space, storm water management, traffic speed enforcement, and cost of lost tax base

Concern for **roundabout safety, efficiency** and **potential backups** on the frontage roads and highway.

Riverdale Drive is heavily used by traffic avoiding backups on Highway 10 and many bicyclists

*Mixed perception on the need for a **roadway bridge over the railroad** with reconstruction of the Sunfish Lake Blvd and Highway 10 intersection

* Riverdale Drive residents were unsupportive of alternatives that add highway access points and a large amount of frontage road traffic in front their properties

* specific to Sunfish Lake Blvd

Study Review

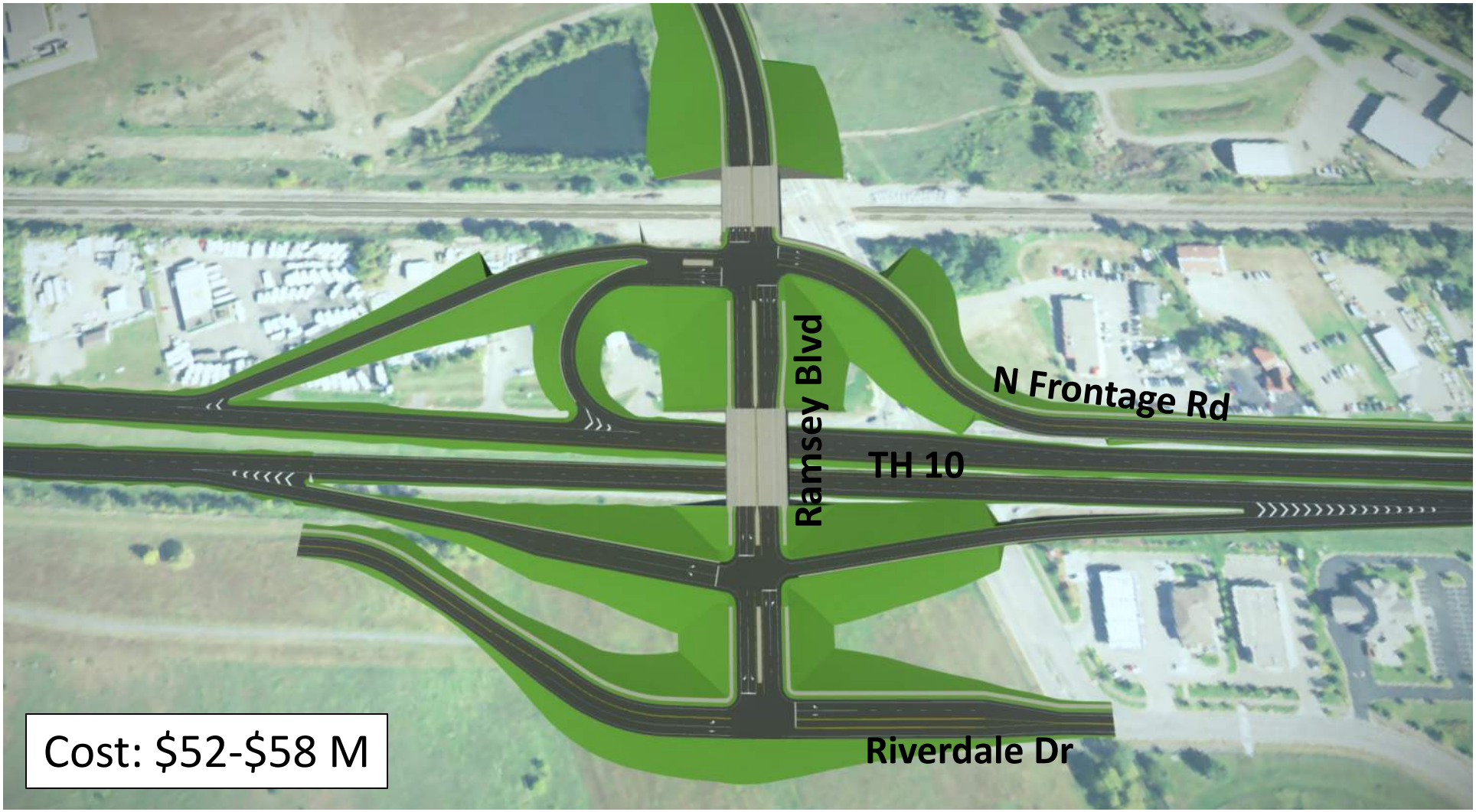
- Picked up from 2014 Study
  - $300M+ freeway vision not realistic with available funding
  - Identified multiple options $98-$110M vision (2014 $)
  - Rail grade separation not reviewed in detail
- Current Work
  - Looked at existing, 2025 & 2045 conditions
  - Developed purpose & need framework
  - Identified goals & objectives
  - Dismissed concepts not consistent with above
  - More detail on rail grade separations

Ramsey Blvd Concepts

- Railroad Grade Separation on <u>All</u> Concepts
- Entrance/Exit Ramp Options:
  - Tight Diamond
  - Folded WB Off Tight Diamond
  - Overpass with Right-In/Right-Out
  - Tight Diamond with W Frontage Rd

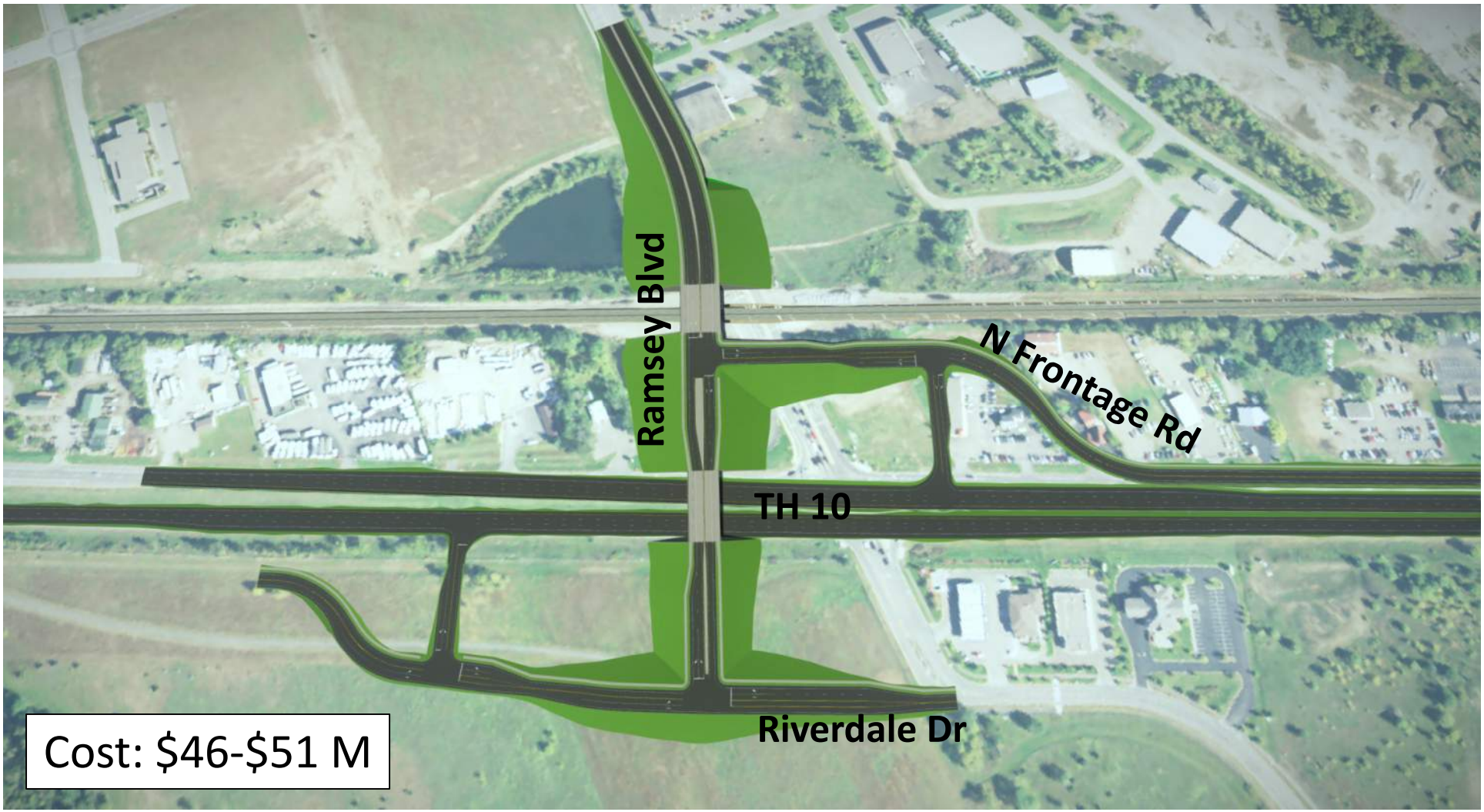
TAC Recommendation

Ramsey Blvd Folded Tight Diamond



Lowest Cost

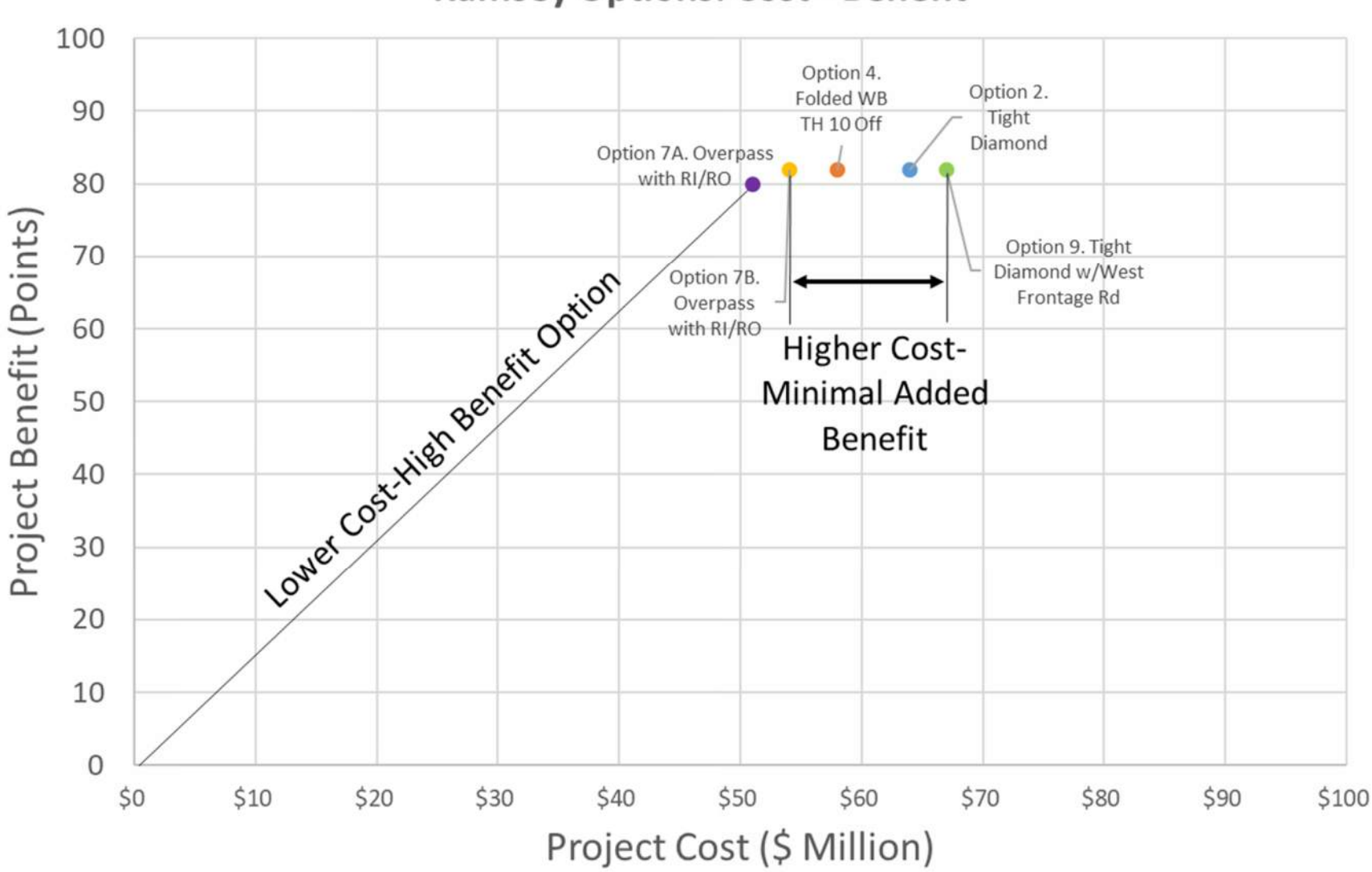
Ramsey Blvd Overpass with Right-In/Right-Out



Ramsey Blvd Preliminary Costs

Ramsey Over Cost Estimates	Construction	Right-of-Way	Engineering	TOTAL
Option 2. Tight Diamond	$34 - $38 M	$16 - $18 M	$6.8 - $7.6 M	**$58 - $64 M**
Option 4. Folded WB TH 10 Off	$30 - $34 M	$16 - $18 M	$6.1 - $6.7 M	**$52 - $58 M**
Option 7A. Overpass with RIRO	$23 - $25 M	$18 - $20 M	$4.6 - $5.0 M	**$46 - $51 M**
Option 7B. Overpass with RIRO	$27 - $30 M	$16 - $18 M	$5.5 - $6.0 M	**$49 - $54 M**
Option 9. Tight Diamond with Frontage Rd	$41 - $45 M	$12 - $13 M	$8.2 - $9.0 M	**$61 - $67 M**

Ramsey Blvd Preliminary Costs



Sunfish Lake Boulevard Concepts

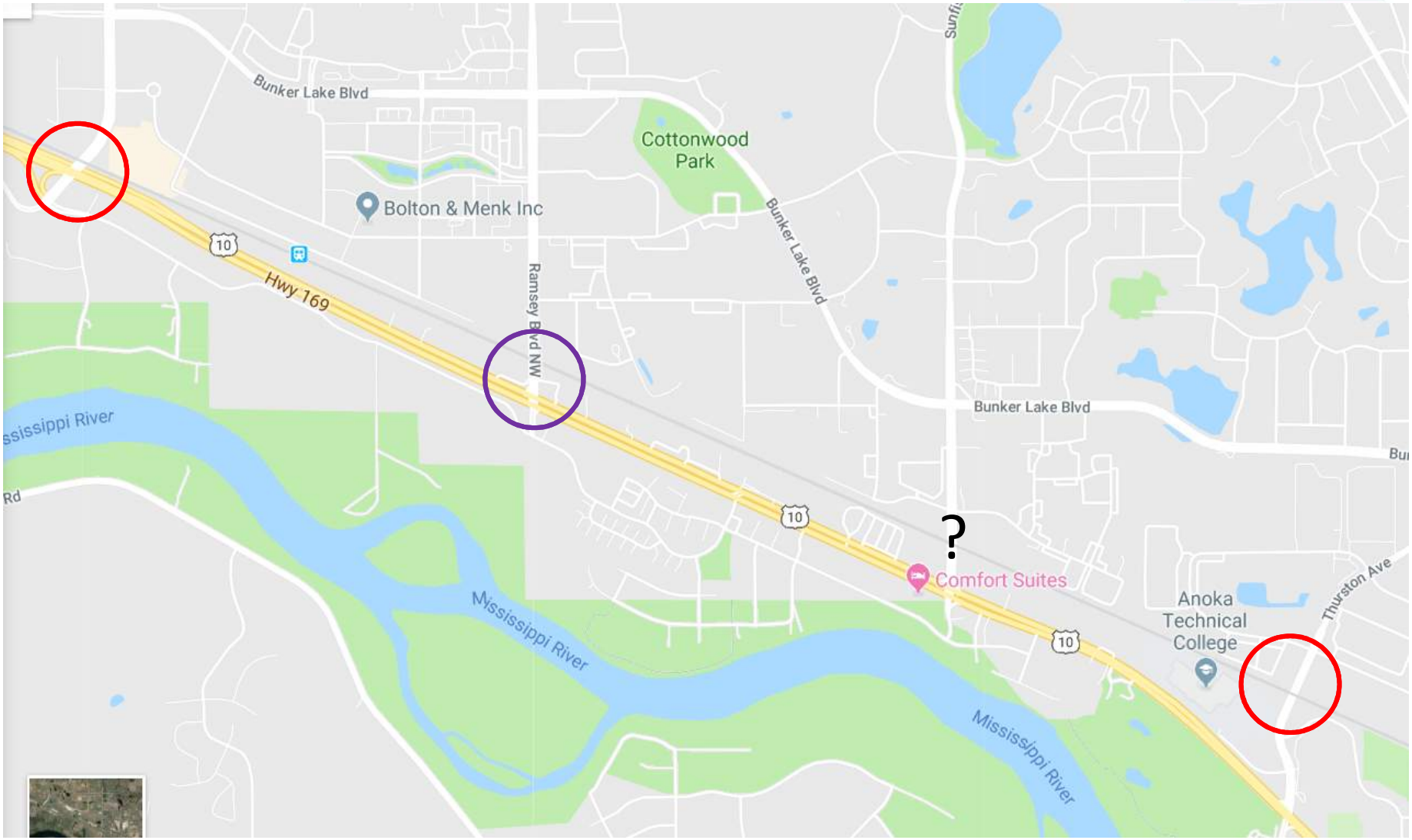
Railroad Grade Separation:

- Overpass with Right-In/Right-Out

At-Grade Rail Options:

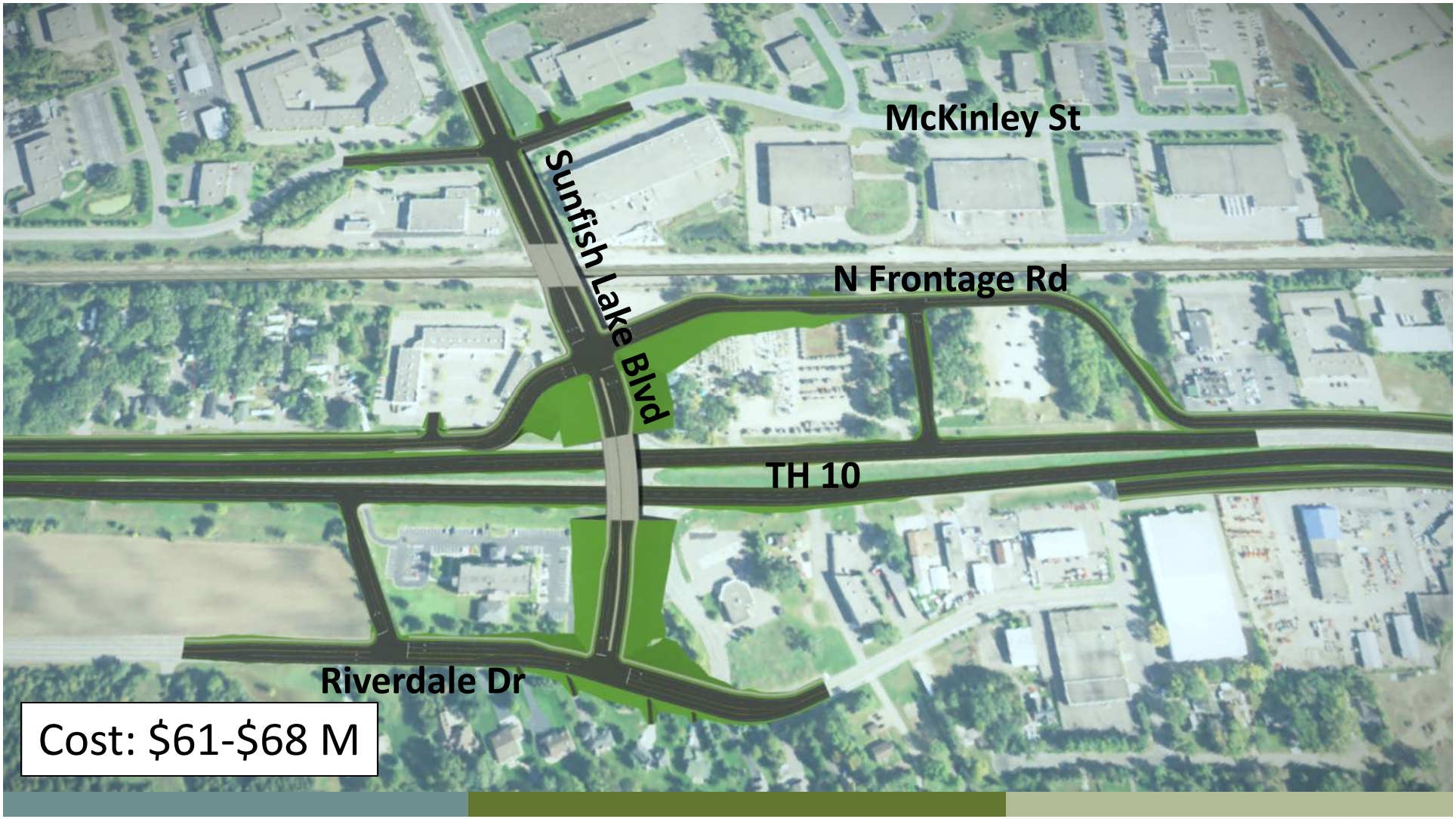
- Grade-Separated Roundabout
- Center Turn Overpass
- Overpass with Right-In/Right-Out
  - Full Access
  - Reduced Access (No WB on ramp)
- New Loop Ramp Concepts
  - Modified Overpass with RI/RO & loop
  - Modified RI/RO Roundabout & loop

Existing & Proposed Rail Grade Separation



Sunfish Lake Blvd Concepts

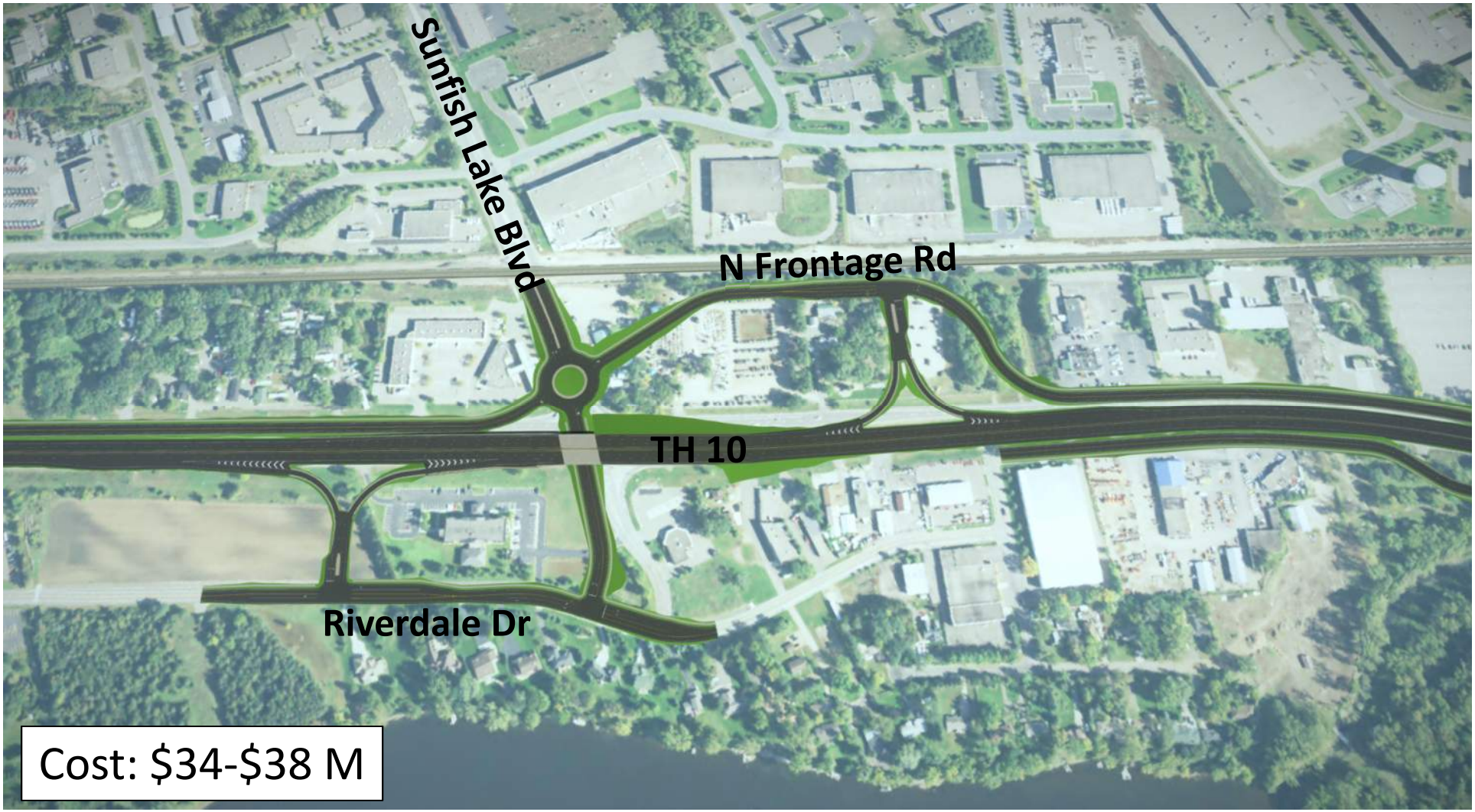
Overpass with Right-In/Right-Out – Option A
Rail Grade Separation



Sunfish Lake Blvd Concepts

Right-In/Right-Out With Roundabout (Full Access)

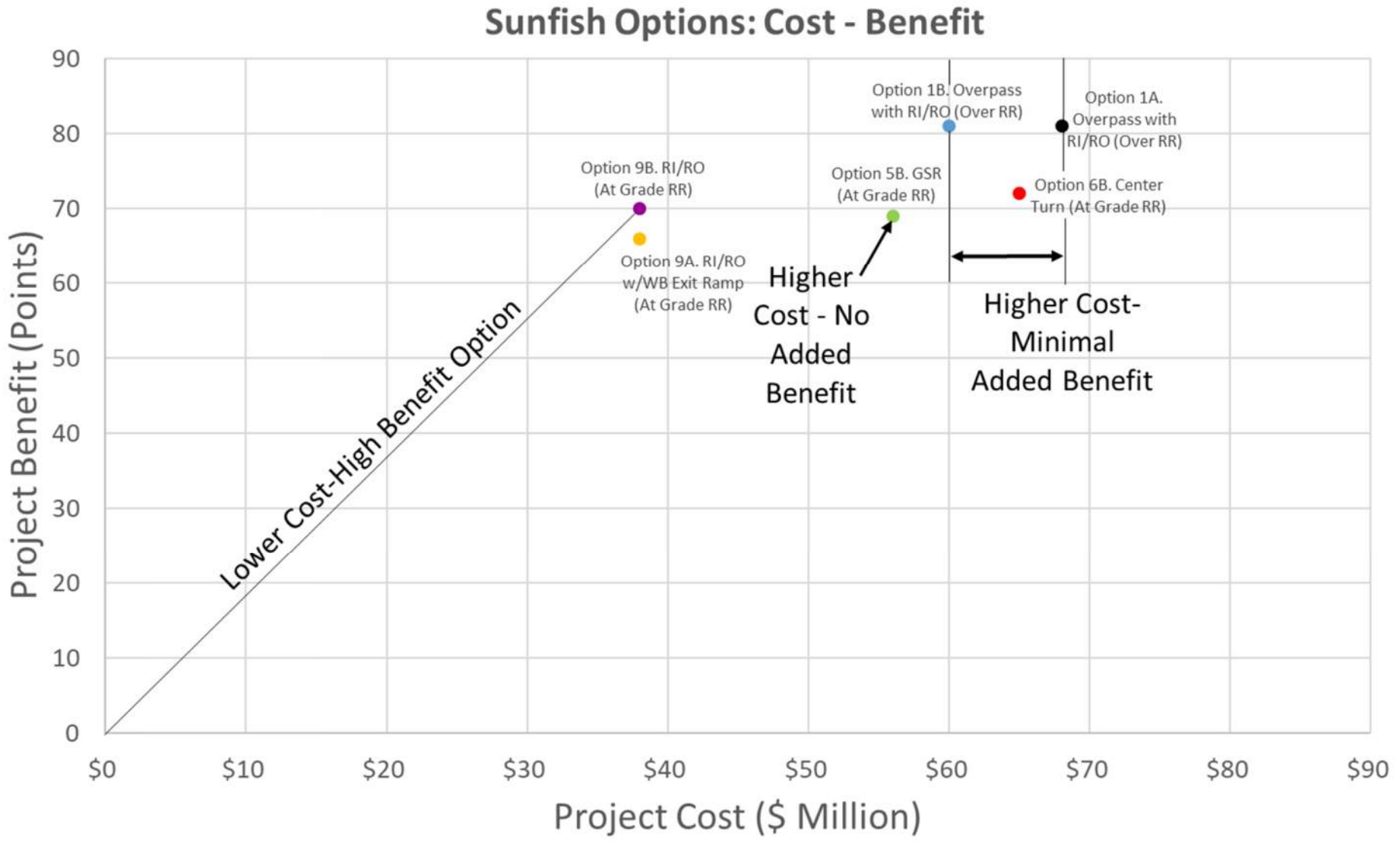
At-Grade Rail



Sunfish Lake Blvd Preliminary Costs

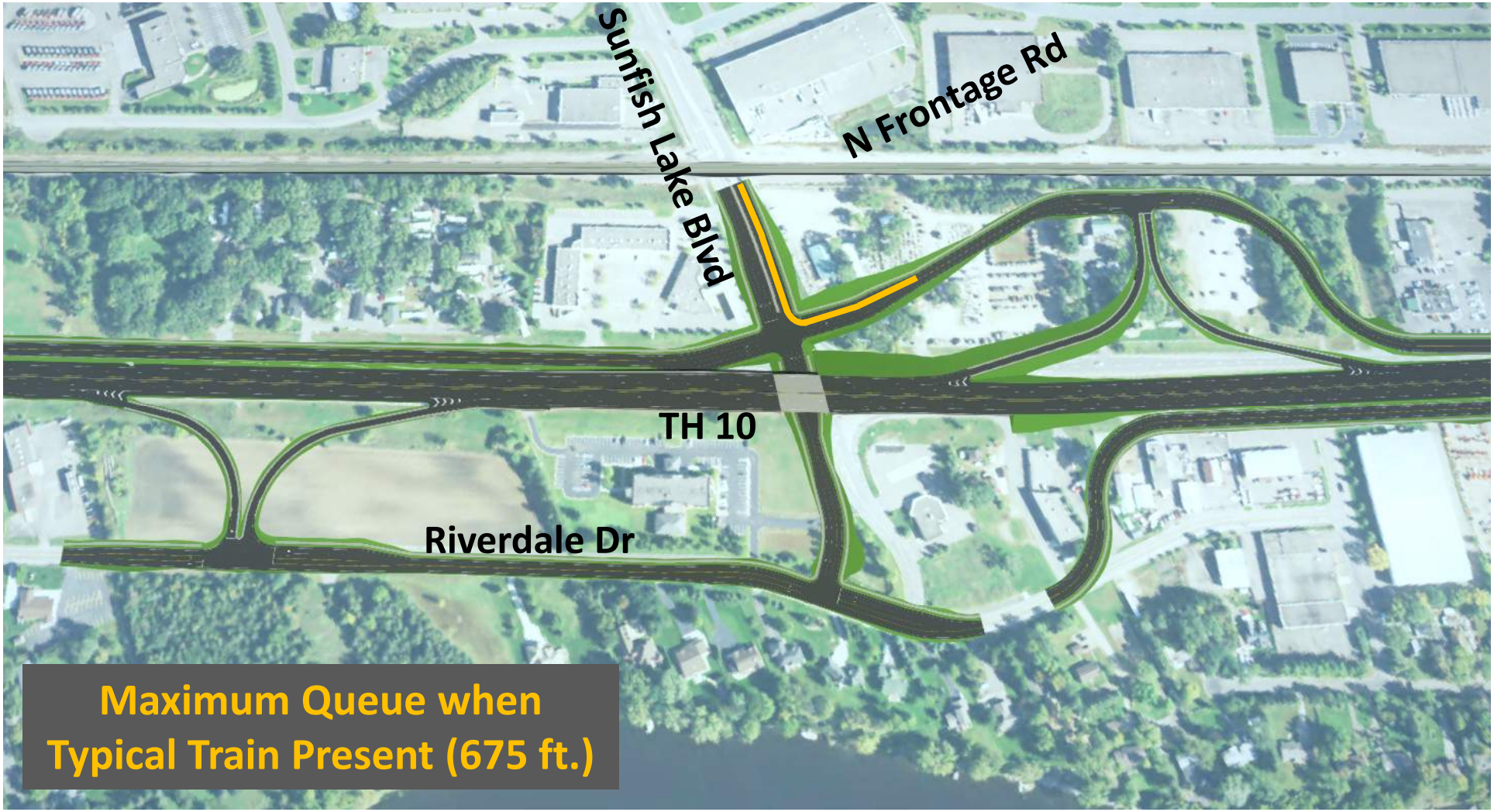
Sunfish Cost Estimates	Construction	Right-of-Way	Engineering	TOTAL
Option 1A. Overpass with RIRO (Over RR)	$41 - $46 M	$12 - $13 M	$8.3 - $9.1 M	**$61 - $68 M**
Option 1B. Overpass with RIRO (Over RR)	$35 - $39M	$12 - $13 M	$7.1 - $7.8 M	**$54 - $60 M**
Option 5B. Grade Separated RAB (At Grade RR)	$33 - $36 M	$12 - $13 M	$6.5 - $7.2 M	**$51 - $56 M**
Option 6B. Center Turn Overpass (At Grade RR)	$40 - $44 M	$11 - $12 M	$7.9 - $8.8 M	**$59 - $65 M**
Option 9A. Overpass w/RIRO, Reduced Access (At Grade RR)	$19 - $21 M	$11 - $12 M	$3.8 - $4.2 M	**$34 - $38 M**
Option 9B. Overpass w/RIRO, Full Access (At Grade RR)	$19 - $21 M	$11 - $12 M	$3.9 - $4.3 M	**$34 - $38 M**

Sunfish Lake Blvd Preliminary Costs



Sunfish Lake Blvd Concepts

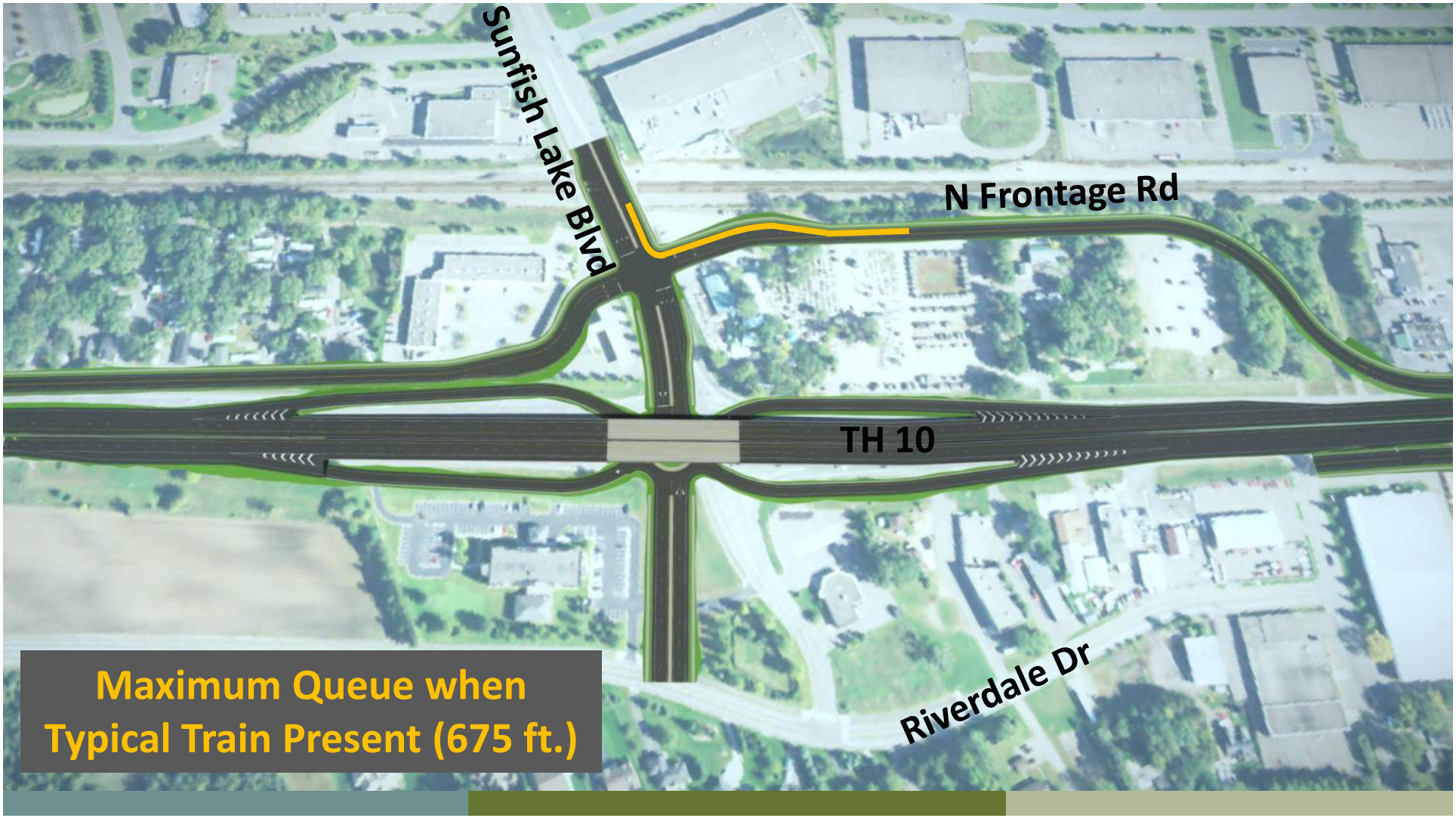
Right-In/Right-Out With RAB/Signal (Full Access)
At-Grade Rail



Sunfish Lake Blvd Concepts

Grade Separated Roundabout

At-Grade Rail



Range of Total Cost – East End

Inflated to 2025 dollars

Both Grade Separated Rail

TOTAL COST:

Ramsey Folded Tight Diamond $52-$58 M

Sunfish Overpass with RI/RO $54-$60 M

Frontage Rd (Ramsey-Sunfish) $12-$14 M

$118 - 132 M

One At-Grade Rail

TOTAL COST:

Ramsey Folded Tight Diamond $52-$58 M

Sunfish RI/RO RAB (Full Access) $34-$38 M

Frontage Rd (Ramsey-Sunfish) $12-$14 M

$98 - 110 M

<u>Highway 10 Access Planning Study ~ $98 - 110 M (2014 dollars)</u>…….$150-170 M (2025)

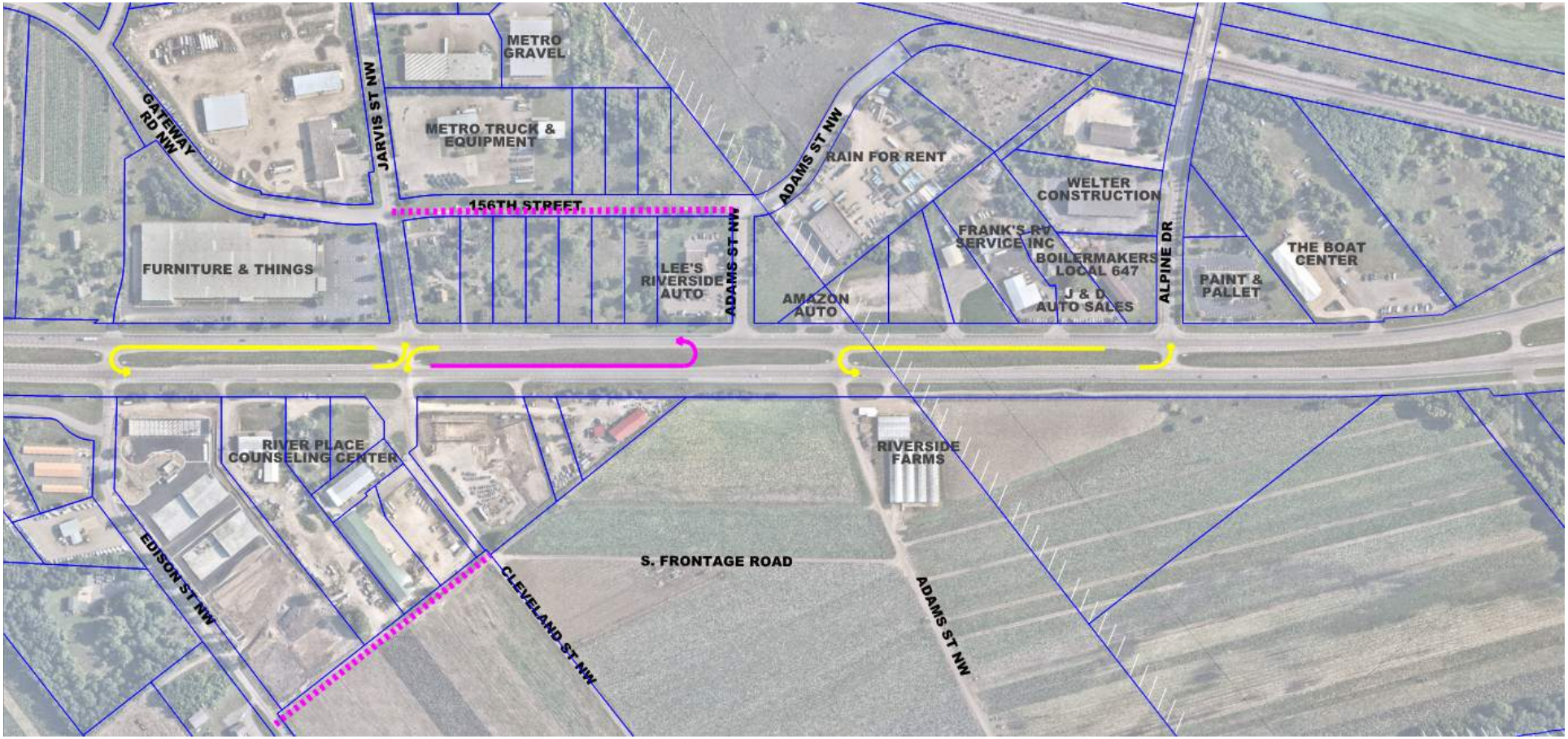
Sunfish Lake Blvd with/without Rail Grade Separation ~$48 M/ $36 M

Ramsey Blvd with Rail Grade Separation ~$50 M

Frontage Road (Ramsey-Sunfish) ~$12 M

West End - Interim Option

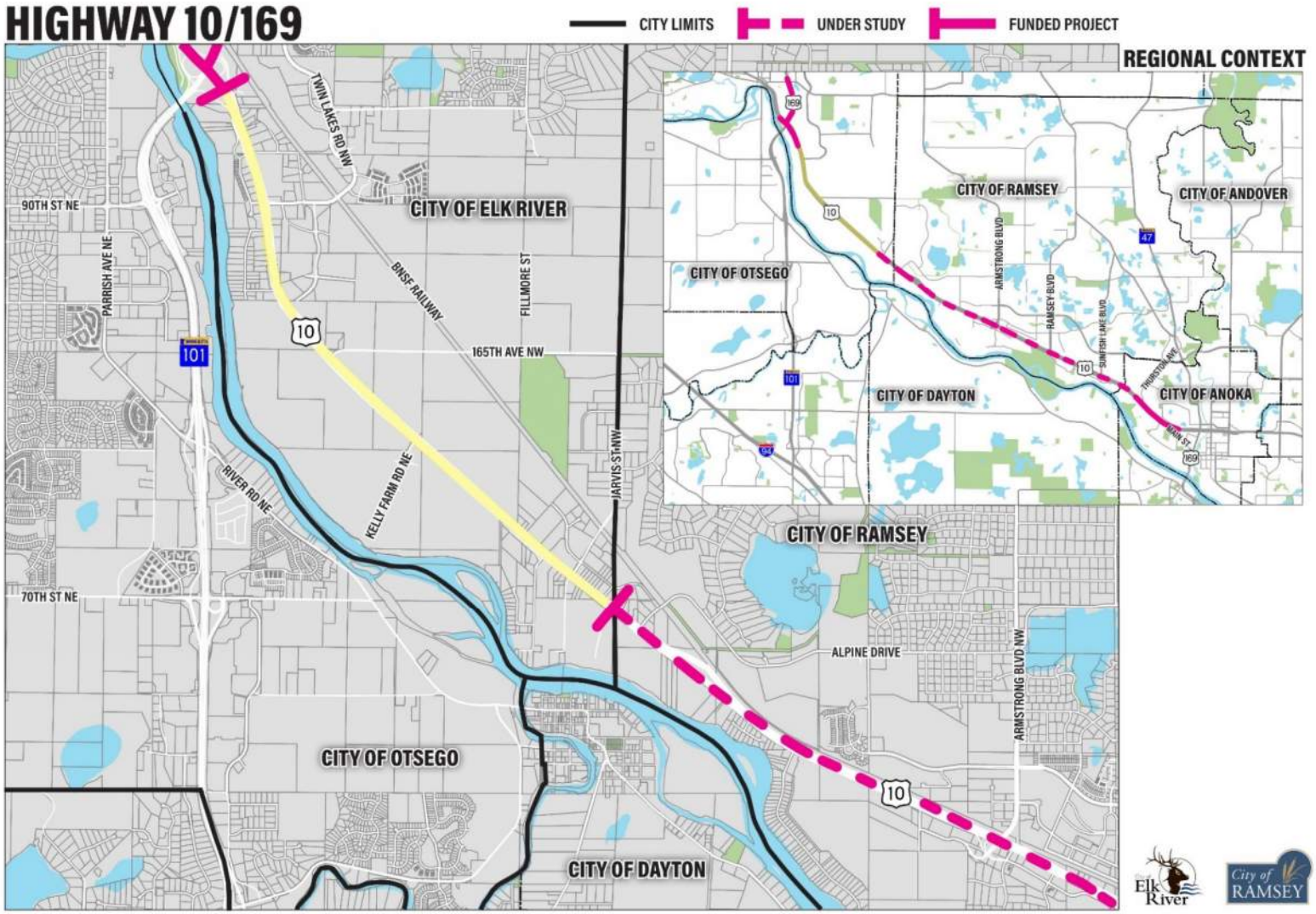
Unsignalized RCUTs at Jarvis and Alpine



- Total Cost: ~$1 M

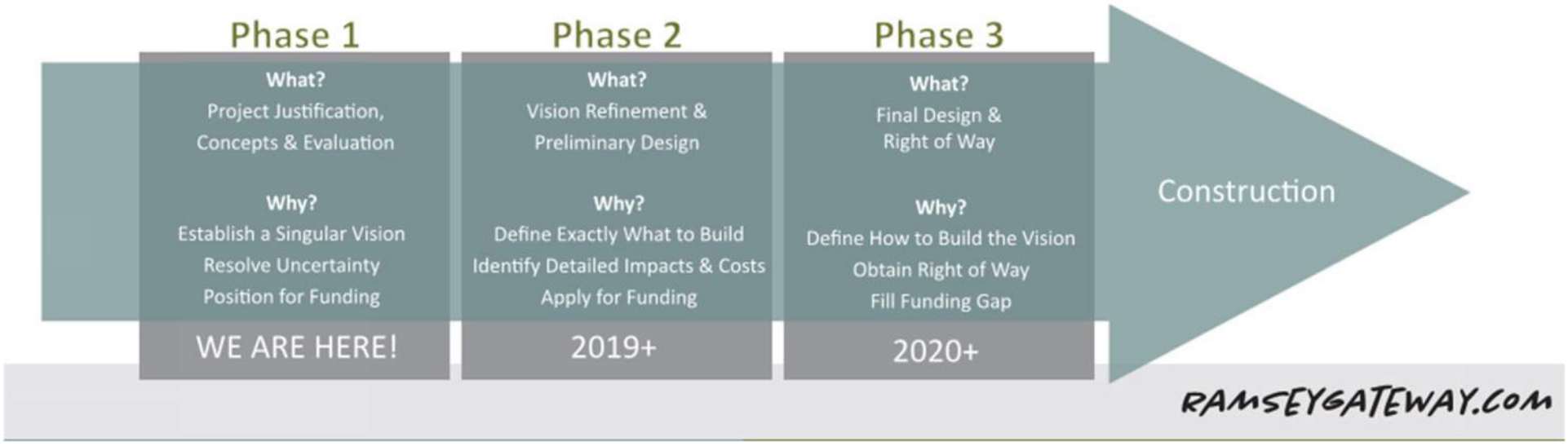
Minor Reconstruction
New Turn Lane
Possible Roadway Connection

Future Study



Next Steps

- TAC Meeting – July 18
- Property Owner Follow Up Meetings – Ongoing
- Phase II – TBD
  - Interchange Review Committee
  - Implementation Plan
  - Funding Plan
  - Additional Design



CC Special Work Session
Meeting Date: 07/16/2019

Title:
Staff Update on Water Supply System Request for Proposals

Purpose/Background:

Purpose:
The purpose of this case is to update the City Council on the status of the Request for Proposals (RFP) for treating the City's municipal water supply system for known and emerging contaminants, including but not limited to manganese, and to achieve City Council consensus on the scope of the RFP.

Background:
Staff is currently developing the draft RFP, and intends to request City Council approval of the RFP on July 23, 2019. Before finalizing the RFP, Staff wishes to discuss and achieve City Council consensus on the scope of the RFP.

The current proposed scope of services of the RFP includes three parts. Part 1 focuses on analyzing the source groundwater for the City's municipal water supply system. Part 2 focuses on completing a preliminary design report. Part 3 focuses on preparing a water supply system model. Further details on each part are included below, and will be reviewed by Staff during the work session.

1. Analyze Source Water
    1. Analyze aquifer accessibility (where can additional wells be drilled?)
    2. Analyze aquifer capacity (can groundwater serve our future needs?)
    3. Analyze source water chemistry
        1. Identify/inventory known primary contaminants (arsenic, lead, radium, etc.)
        2. Identify/inventory known secondary contaminants (iron, manganese, etc.)
        3. Identify/inventory emerging contaminants (based on treatment facility anticipated life)
    4. Summarize results
2. Prepare Preliminary Design Report
    1. Develop plan to select water source (ground vs. surface) based on future demand
        1. Northwest metro regional surface water supply study results due January 2020
    2. Develop treatment goals (iron and manganese reduction, softening, etc.)
    3. Explore treatment options and costs
        1. Pressure filters
        2. Gravity filters
        3. Biological filters
        4. Lime Softening
        5. RO (Membrane) Softening
    4. Summarize advantages/disadvantages of each
    5. Select preferred treatment options
    6. Develop preliminary centralized treatment facility layout
    7. Select preliminary site
    8. Calculate estimated costs
    9. Identify funding sources
    10. Develop preliminary rate structures
    11. Develop public education/engagement process
3. Prepare Water Supply System Model
    1. Develop and deliver a model for the municipal water supply system

Final design of selected treatment processes can then be completed under separate contract after the preliminary

design report is presented to the public. This will allow Council to receive public feedback on whether certain processes, particularly softening which has a high cost associated with it, would be supported by the public.

Timeframe:

Staff estimates 20 minutes will be required to present this case and respond to questions.

Funding Source:

NA

Responsible Party(ies):

The City Engineer will present this case. The Public Works Superintendent will also be present to respond to questions as needed.

Outcome:

Dependent on discussion. Feedback from the City Council will be incorporated into the RFP.

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	07/11/2019 04:09 PM
Form Started By: Bruce Westby		Started On: 07/02/2019 05:30 AM
Final Approval Date: 07/11/2019		