

## **82nd Street West Board Set:**

- **Planning for 82nd Street Connection**
- **82nd Street Improvement Needs**
- **What We've Heard**
- **Design Considerations**
- **Evaluation of Concepts**
- **Concepts for these intersections:**
  - » **82nd Street W and Bavaria Road**
  - » **82nd Street W and McKnight Road**
  - » **82nd Street W and Hwy 41**
  - » **82nd Street W Alignment: West Curve**
  - » **82nd Street W Alignment: McKnight Curve**



## Planning for 82nd Street Connection

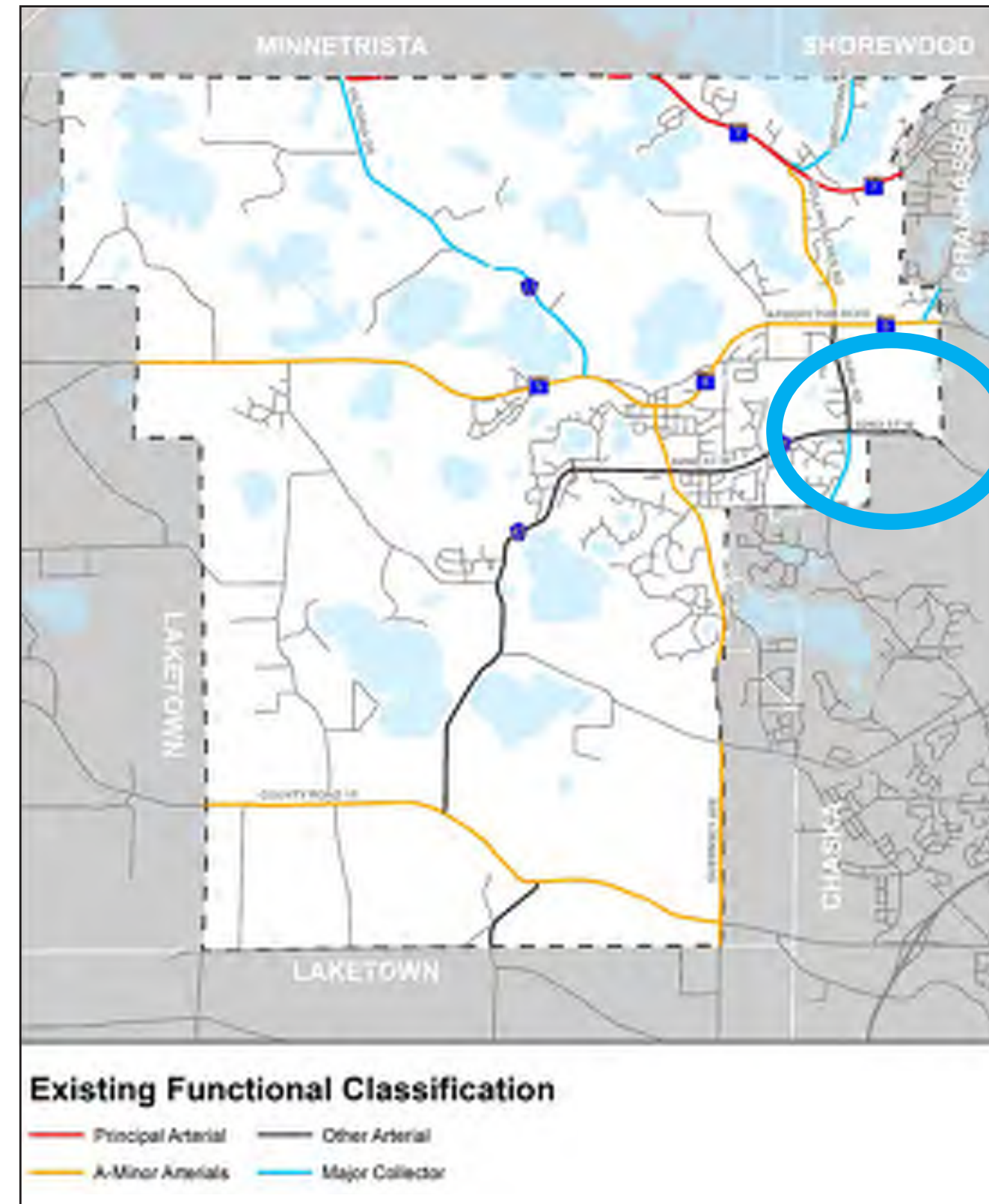
### Population Growth by 2040



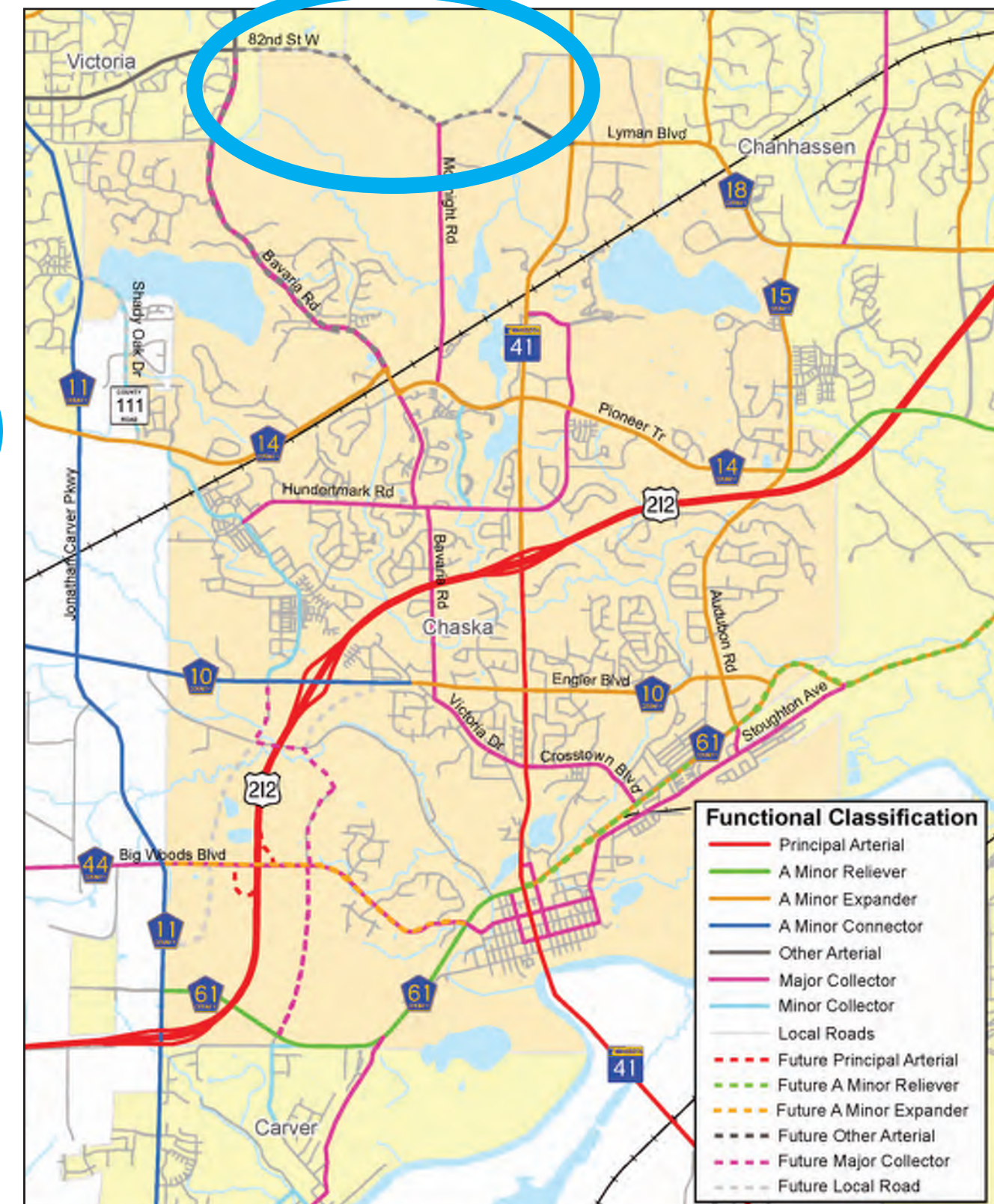
The old rural roadway network needs to transition to meet the needs of a developing community.



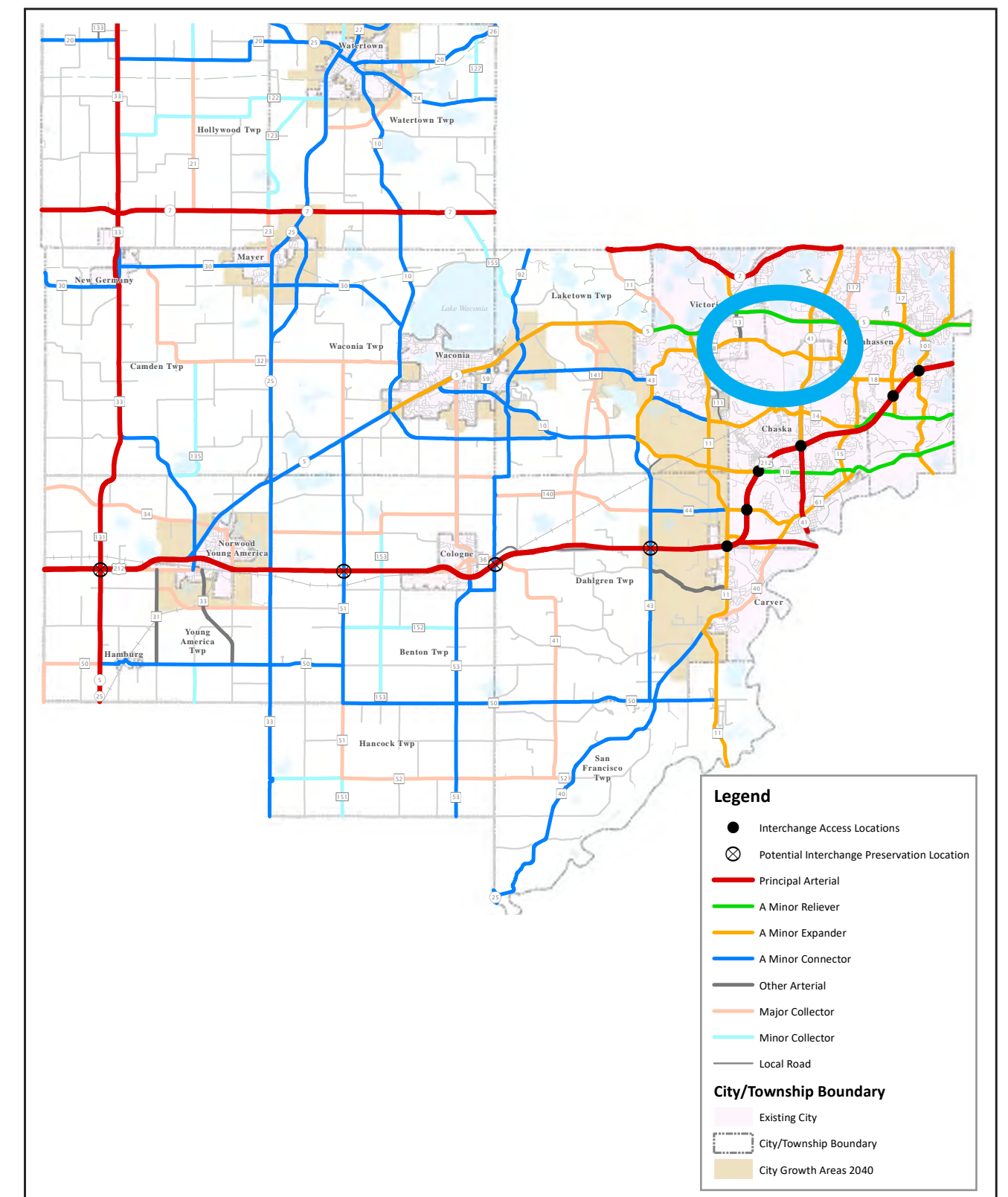
City of Victoria - Draft 2040 Comp Plan



City of Chaska - Draft 2040 Comp Plan



Carver County - Draft 2040 Comp Plan



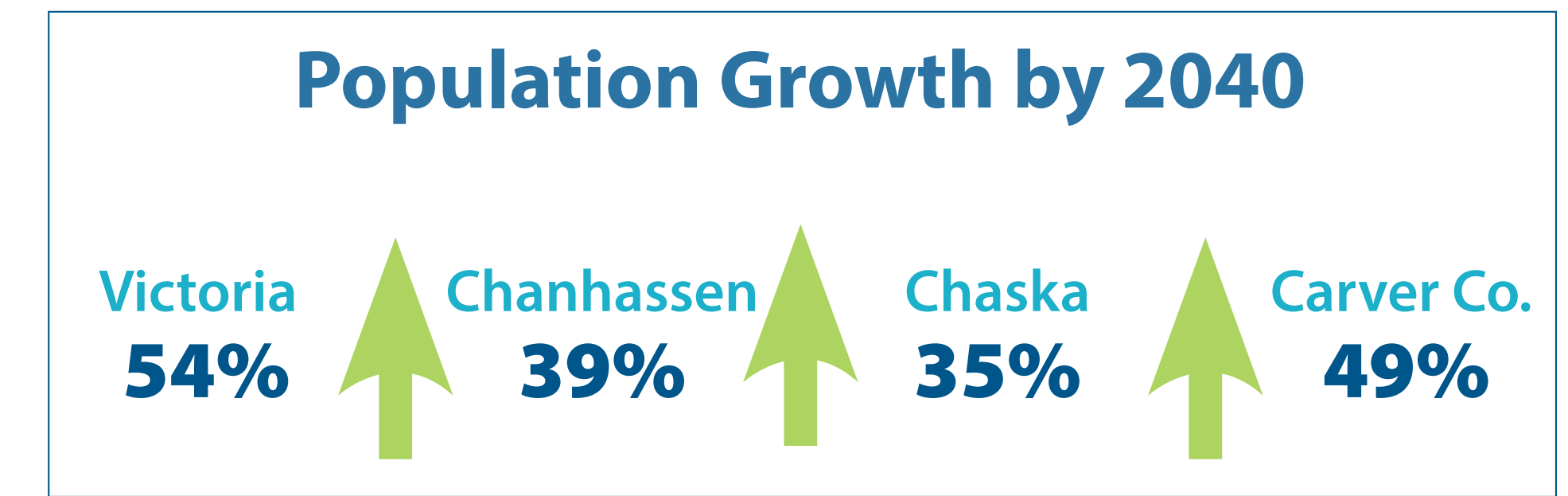
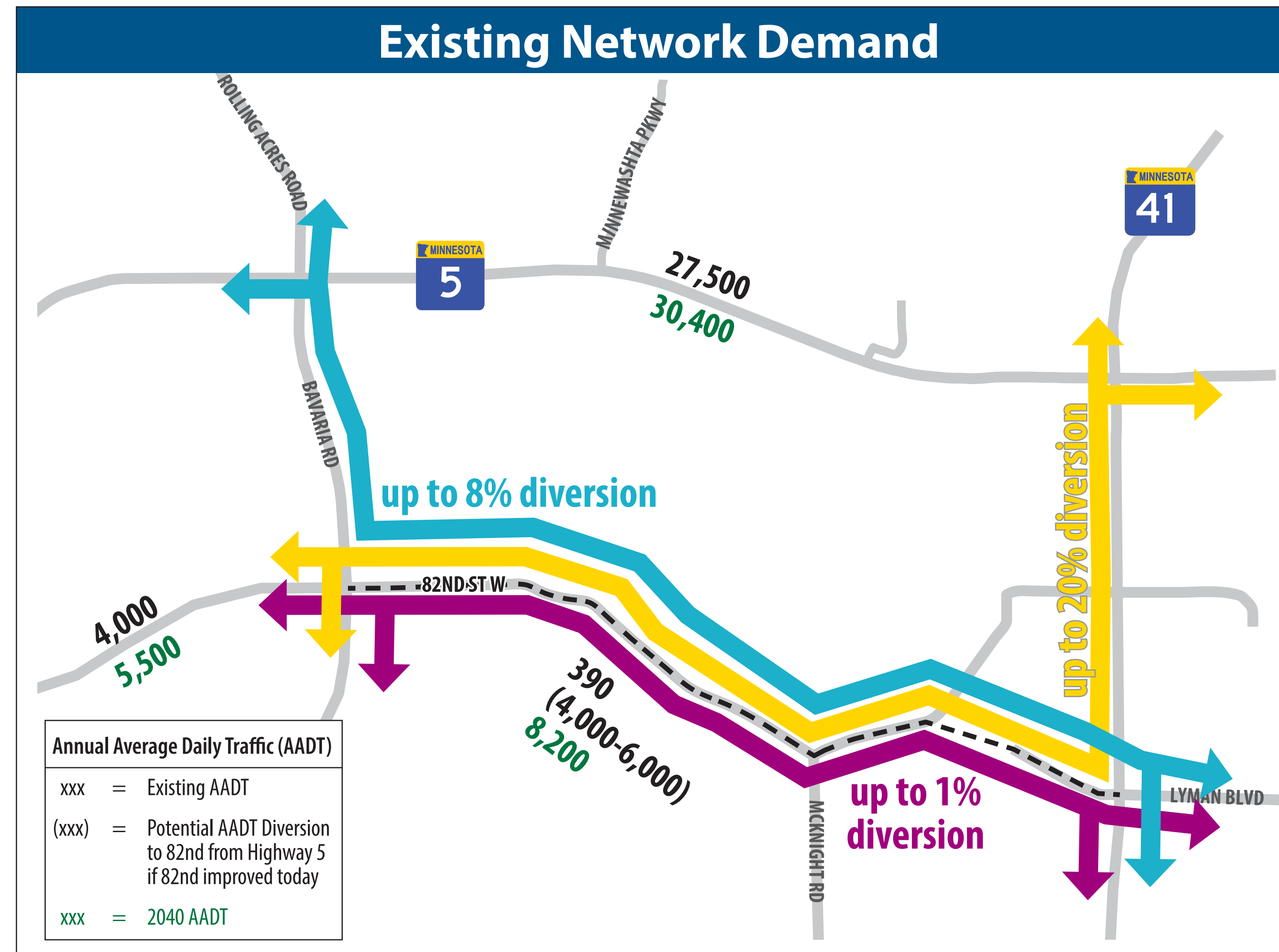
The plans for Carver County and the cities of Chaska and Victoria all show 82nd Street West as a future arterial with connectivity to the rest of the system.

### Implications for 82nd Street

- When is this connection needed?
- What will the corridor look like?
- What bicycle and pedestrian facilities should be included?
- How will access and crossing be handled?

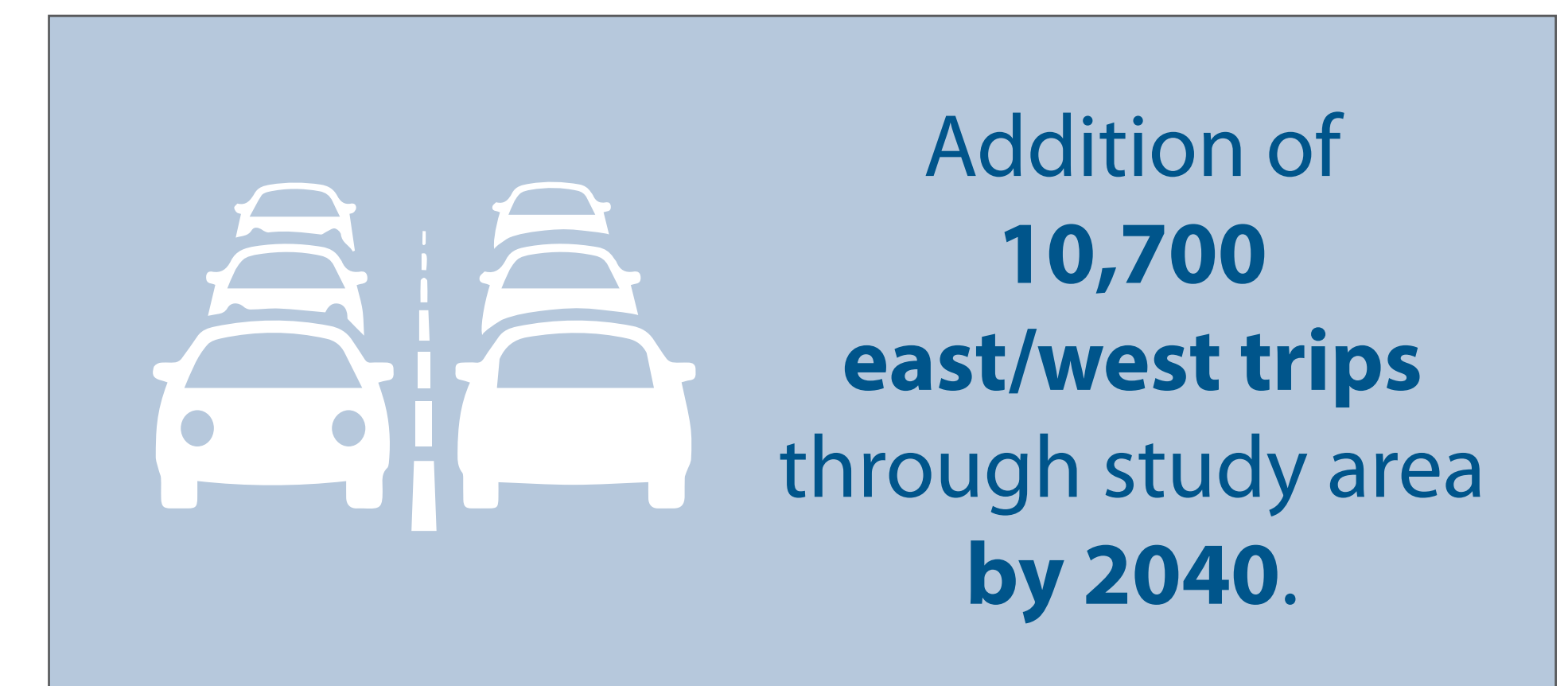
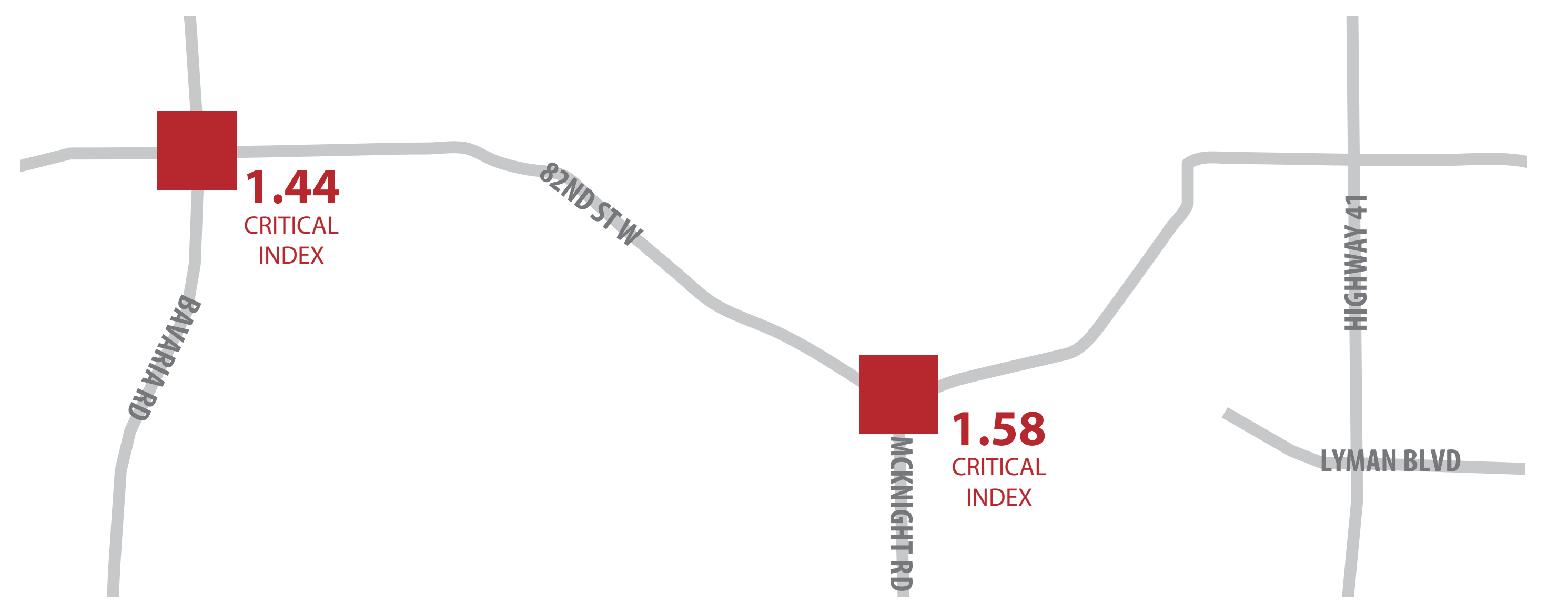
## 82nd Street Improvement Needs

82nd Street is planned as an arterial roadway with connectivity to the rest of the system.



## Crash Issues

Intersections with a critical index above 1.0 indicate a strong likelihood of a geometric design, access, or traffic control issue.



# What We've Heard

## 82nd Street West/Arboretum Boulevard Neighborhood Meeting June 25, 2019

**20+**  
*attendees*

### Arboretum Blvd (Hwy 5)

#### Issues

- Missing shoulders on some Hwy 5 roadway sections
- Safety and access issues for private driveways on Hwy 5

#### Suggestions

- Add south entrance to Landscape Arboretum to reduce traffic at Hwy 5
- Expand all of Hwy 5 to four lanes of traffic

### Crimson Bay Rd

- Safety/access concerns
- Connect to 78th St
- Add traffic signal or roundabout at Hwy 5

### Hwy 5/Hwy 41 intersection

- Poor traffic signal timing
- Add grade separation

### Bavaria Road

- Review speed limit

### Minnewashta Pkwy

- Long delays onto Hwy 5
- Intersection safety, add traffic signal

### 82nd/Bavaria intersection

- Safety concerns
- Review intersection control

### 82nd/McKnight intersection

- Poor sight lines
- Add roundabout

### 82nd Street West

#### Issues

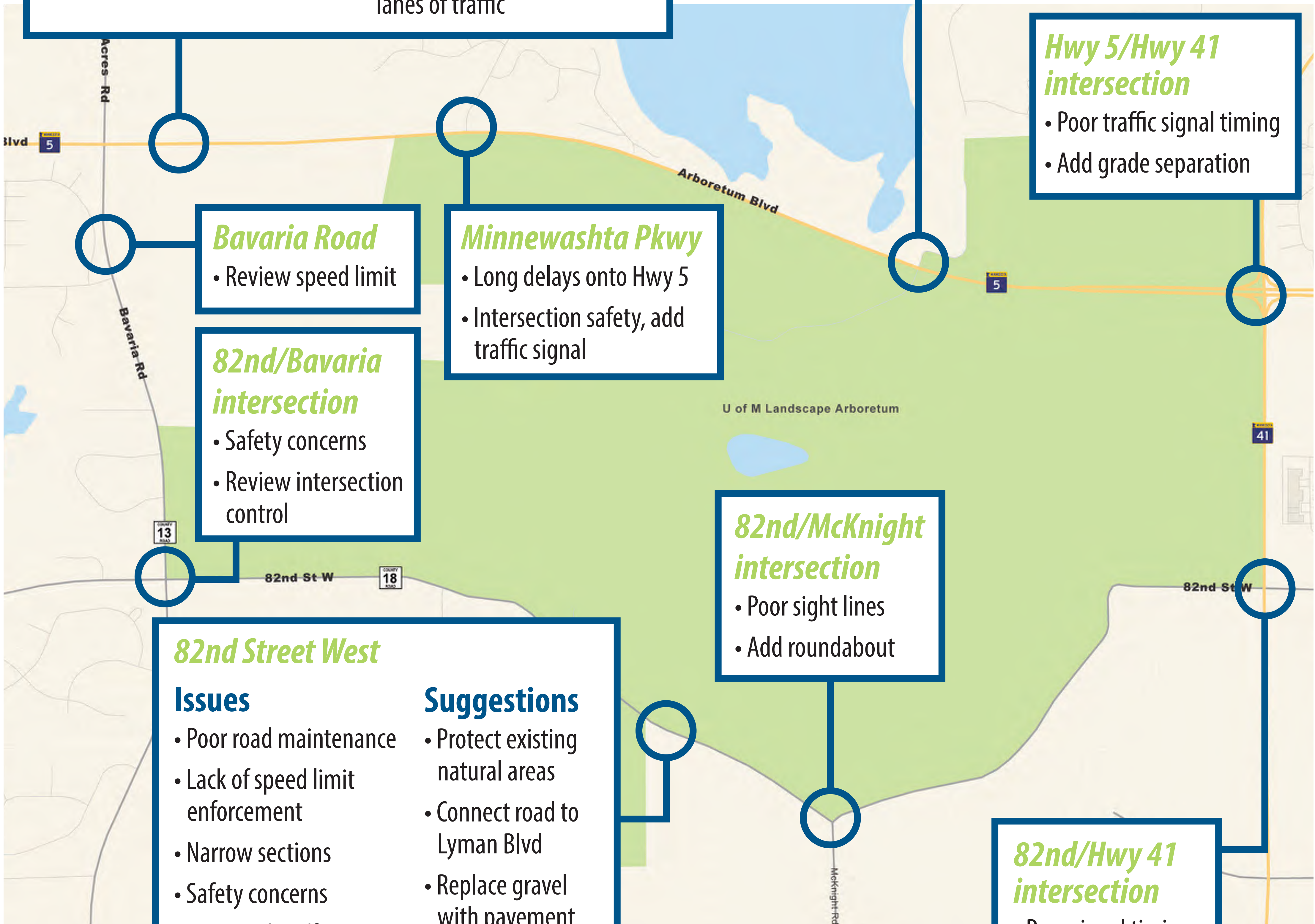
- Poor road maintenance
- Lack of speed limit enforcement
- Narrow sections
- Safety concerns
- Increased traffic
- Unsightly chain link fence

#### Suggestions

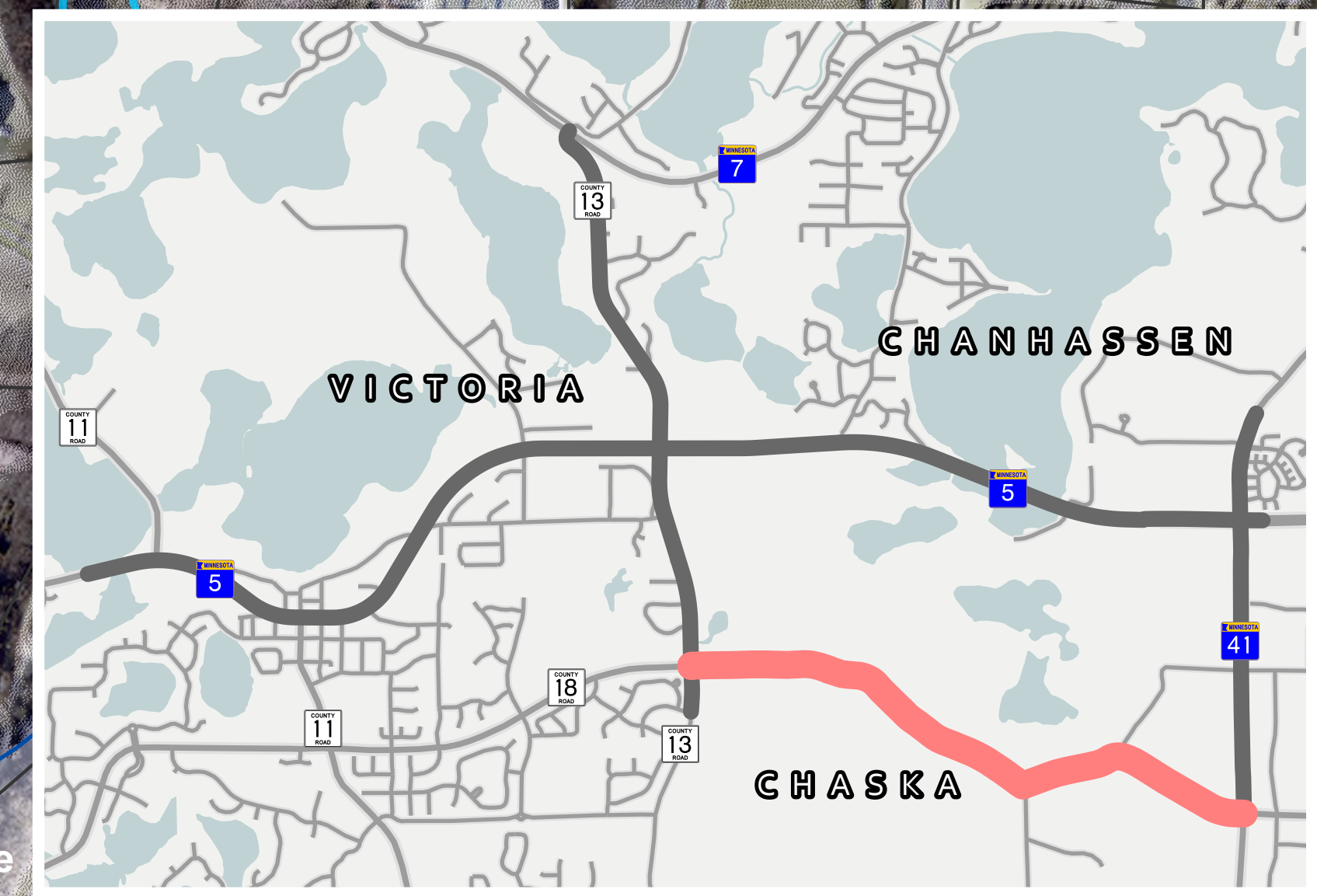
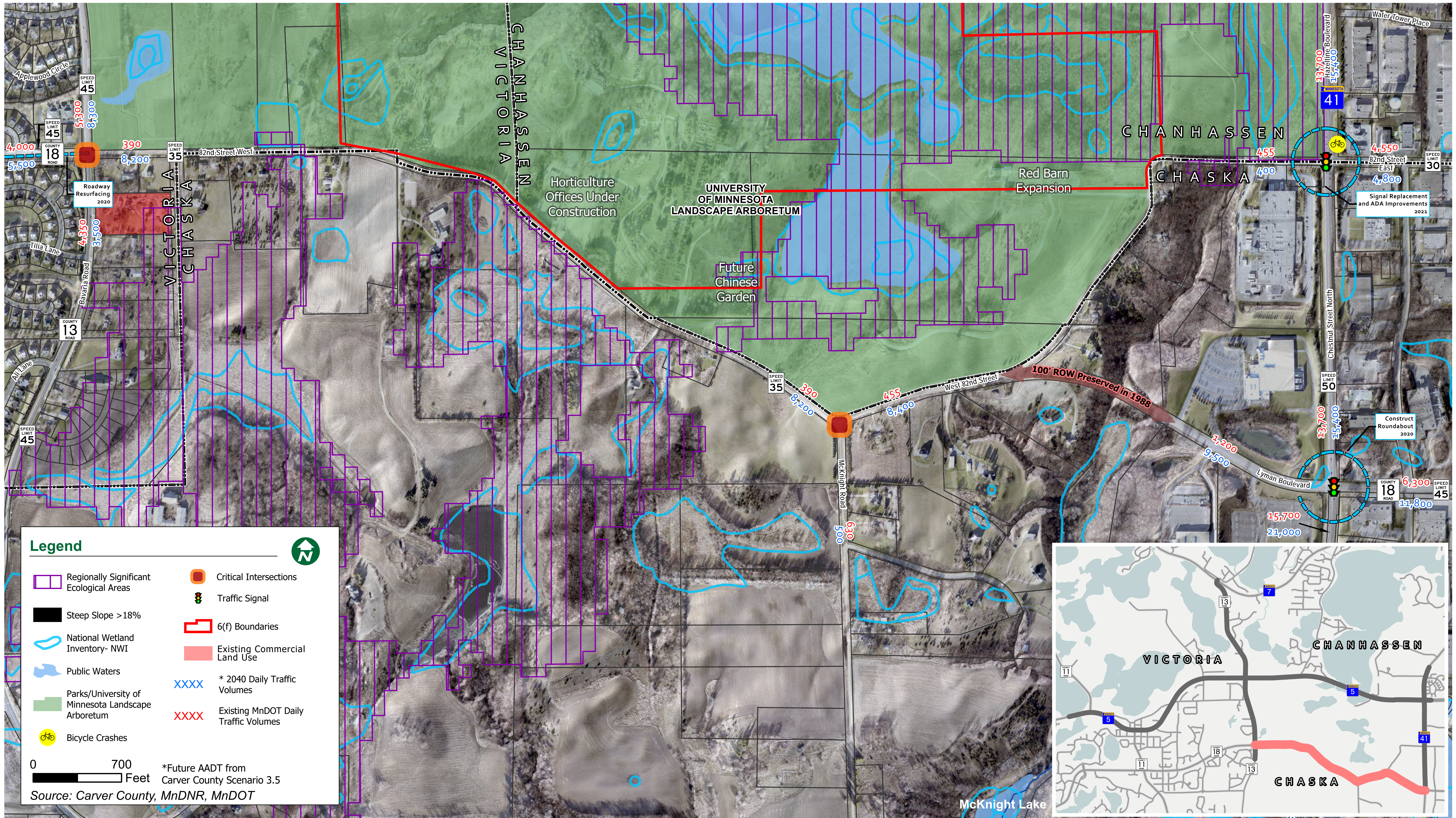
- Protect existing natural areas
- Connect road to Lyman Blvd
- Replace gravel with pavement
- Don't divert Hwy 5 trips to 82nd

### 82nd/Hwy 41 intersection

- Poor signal timing
- Add yellow flashing turn light



## Design Considerations: 82nd Street West



## Evaluation of Concepts

Improvement concepts were rated based on how well they met project goals. Overall scores help determine which concept best supports the project's vision.

### We want to hear from you!

*Review the concepts and let us know which you can support.*

Look for the "What do you think?" symbol on the display boards and fill out an **input form**.

### Project Goals



#### Vehicle Mobility

Provide efficient and reliable vehicle mobility.



#### User Safety

Safely accommodate all system users.



#### Support Multimodal Network

Provide a comprehensive network for pedestrians and bicyclists.



#### Respect the Environment

Provide infrastructure improvements that respect the environment.



#### Financial Responsibility

Develop a financially responsible implementation plan.

### KEY TO SCORES



Does not meet measure



Minimally meets measure



Meets measure



Exceeds measure

### Example of Concept Scorecard



Vehicle Mobility

++



User Safety

+



Support Multimodal Network

++



Respect the Environment

+



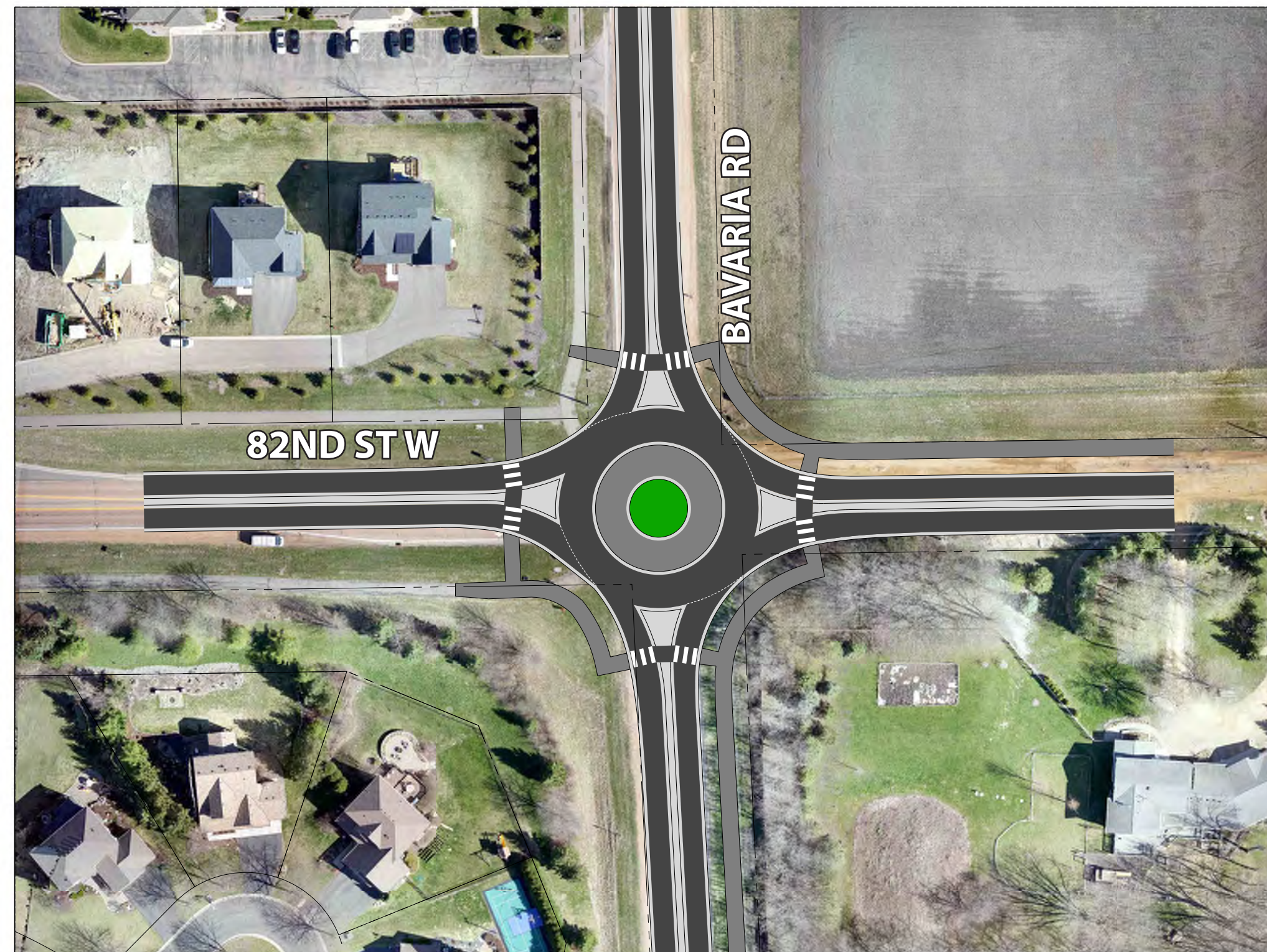
Financial Responsibility

+

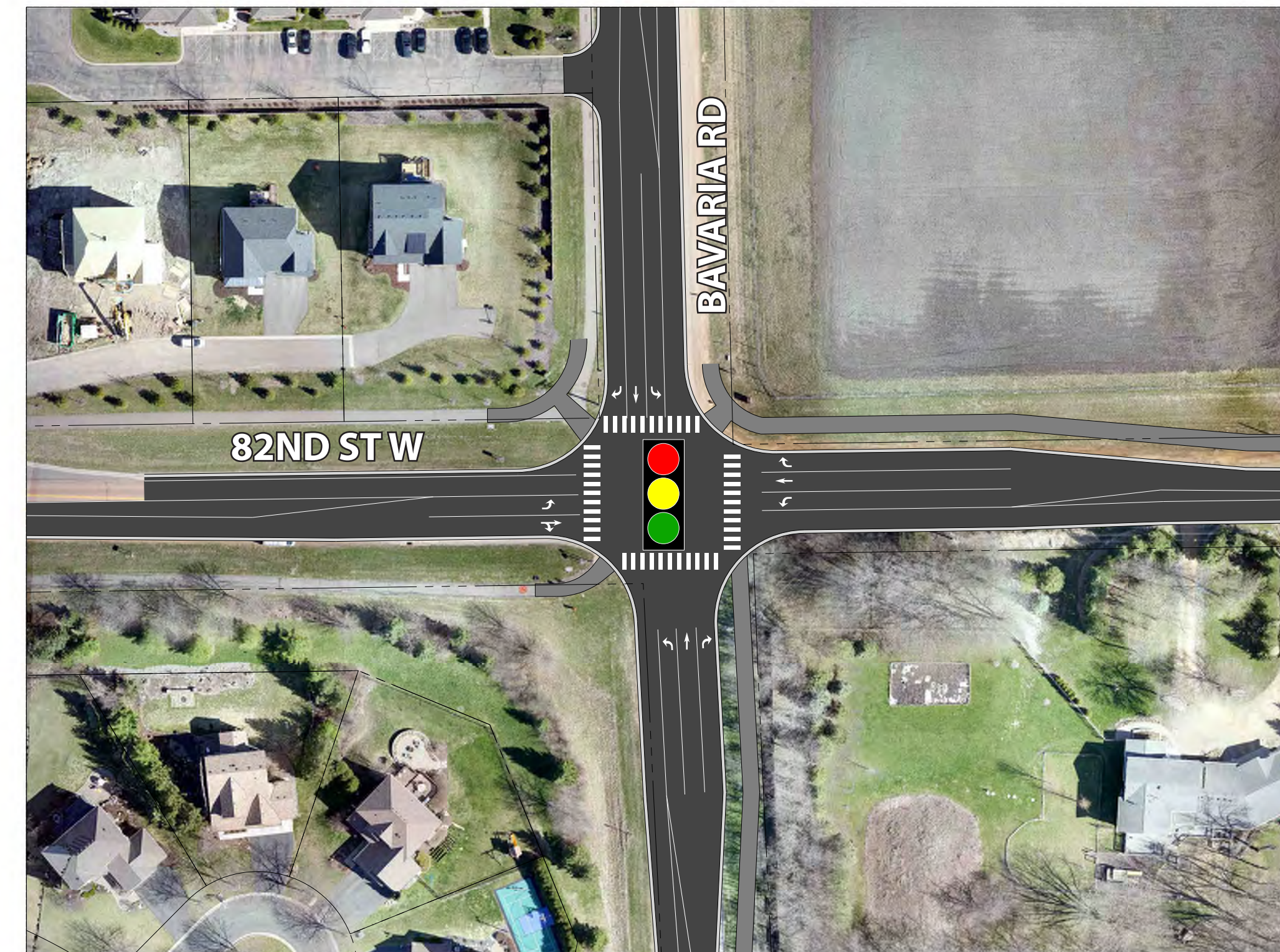
What do you think?

## 82nd Street West and Bavaria Road

### Concept 1: Roundabout



### Concept 2: Traffic Signal



KEY TO SCORES

- Does not meet measure (Red circle with -)
- Minimally meets measure (Orange circle with 0)
- Meets measure (Yellow circle with +)
- Exceeds measure (Green circle with ++)

**Scorecard**

OVERALL SCORE: ++

Vehicle Mobility	++
User Safety	++
Support Multimodal Network	++
Respect the Environment	+
Financial Responsibility	++

**Scorecard**

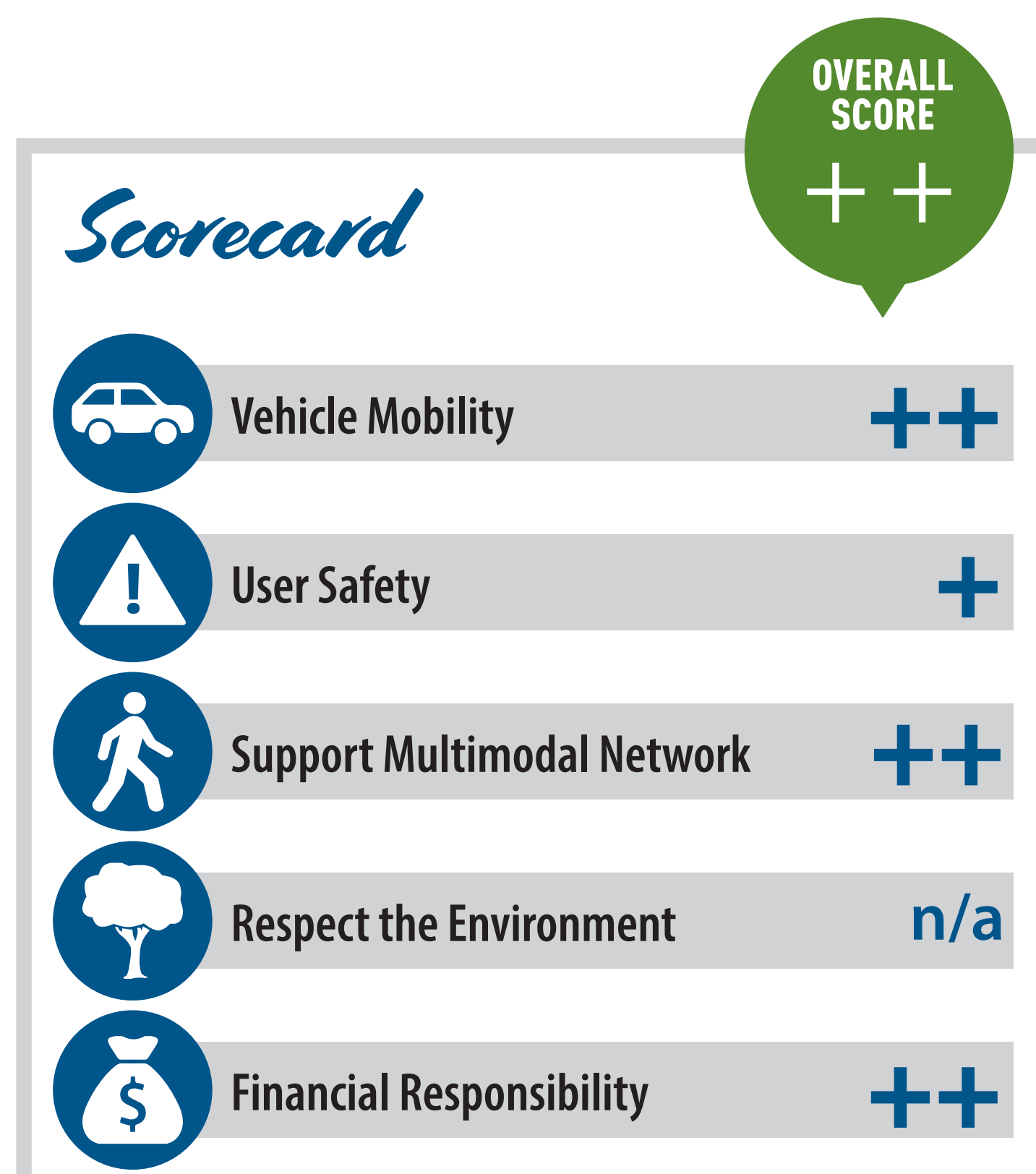
OVERALL SCORE: +

Vehicle Mobility	++
User Safety	+
Support Multimodal Network	++
Respect the Environment	+
Financial Responsibility	+

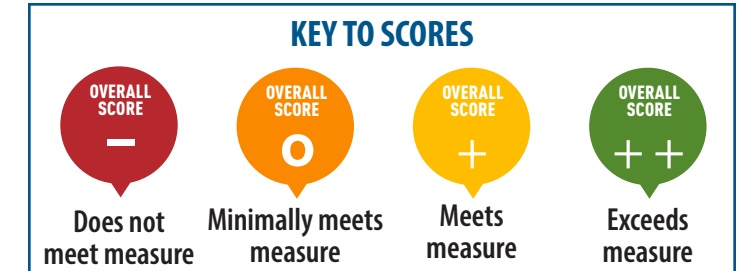
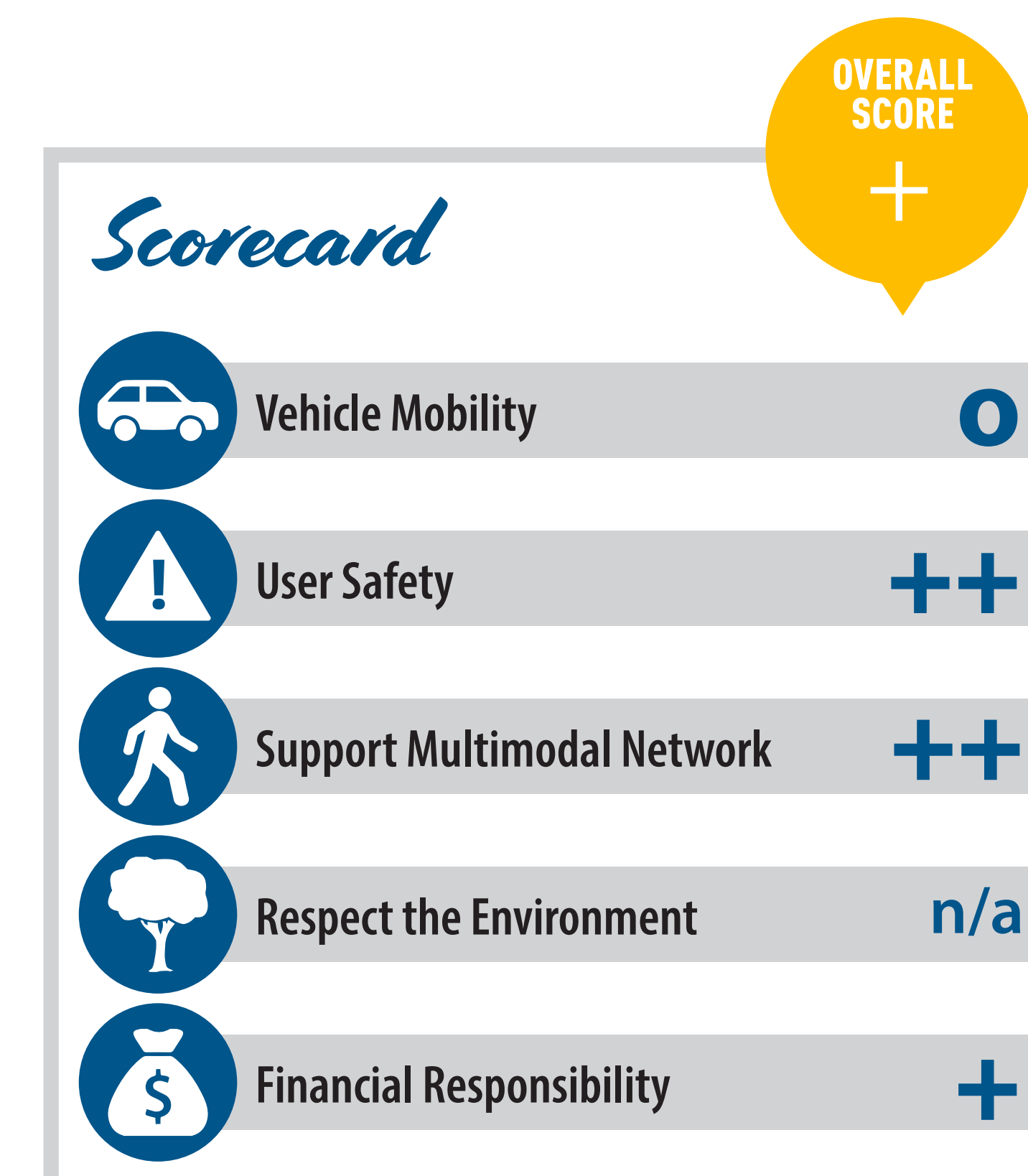
What do you think?

## 82nd Street West and McKnight Road

**Concept 1:**  
Side-Street Stop Controlled Intersection



**Concept 2:**  
Single-Lane Roundabout





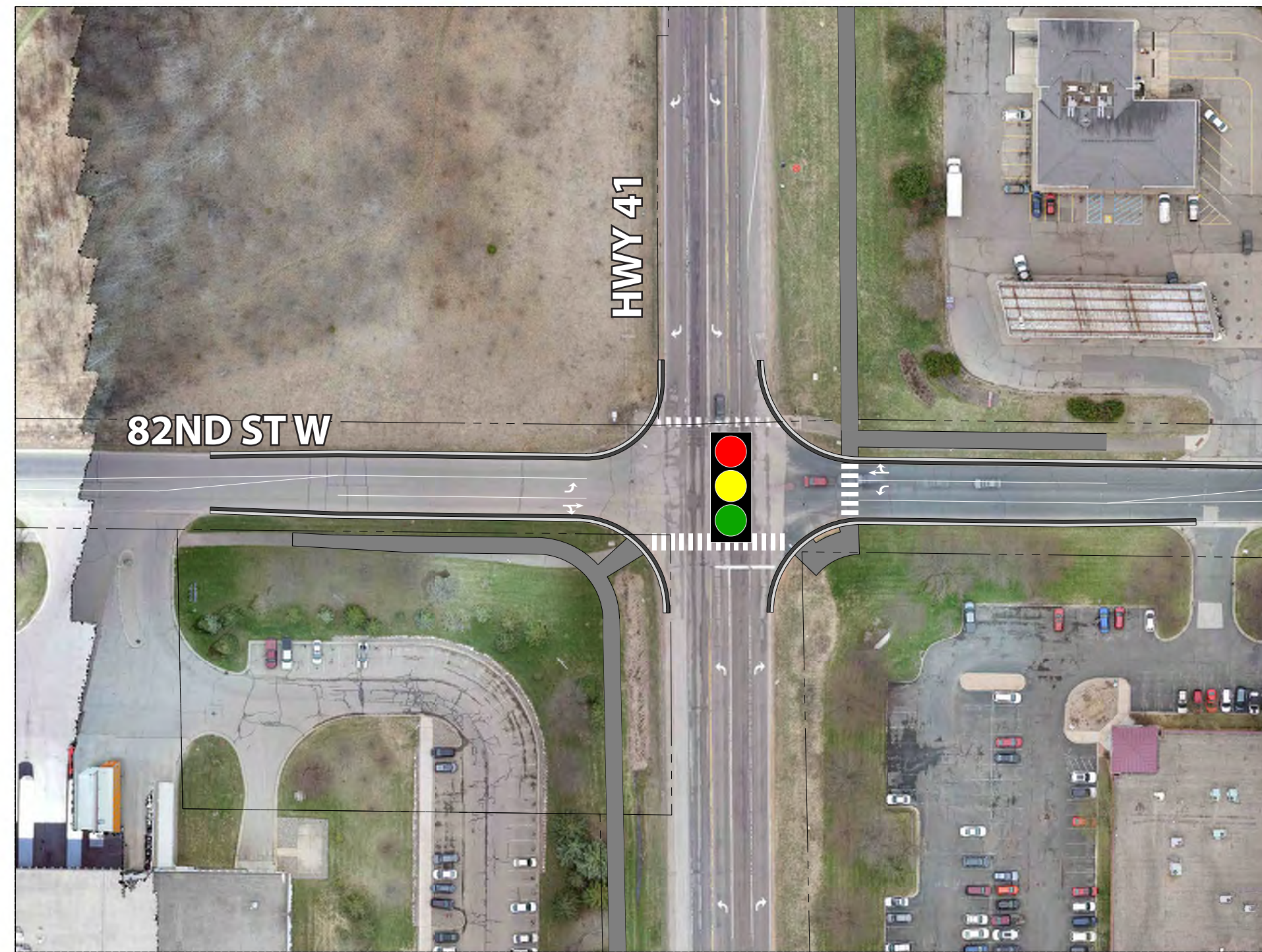
What do you think?

## 82nd Street West and Highway 41

KEY TO SCORES

- Does not meet measure
- Minimally meets measure
- Meets measure
- Exceeds measure

### Concept 1: Traffic Signal

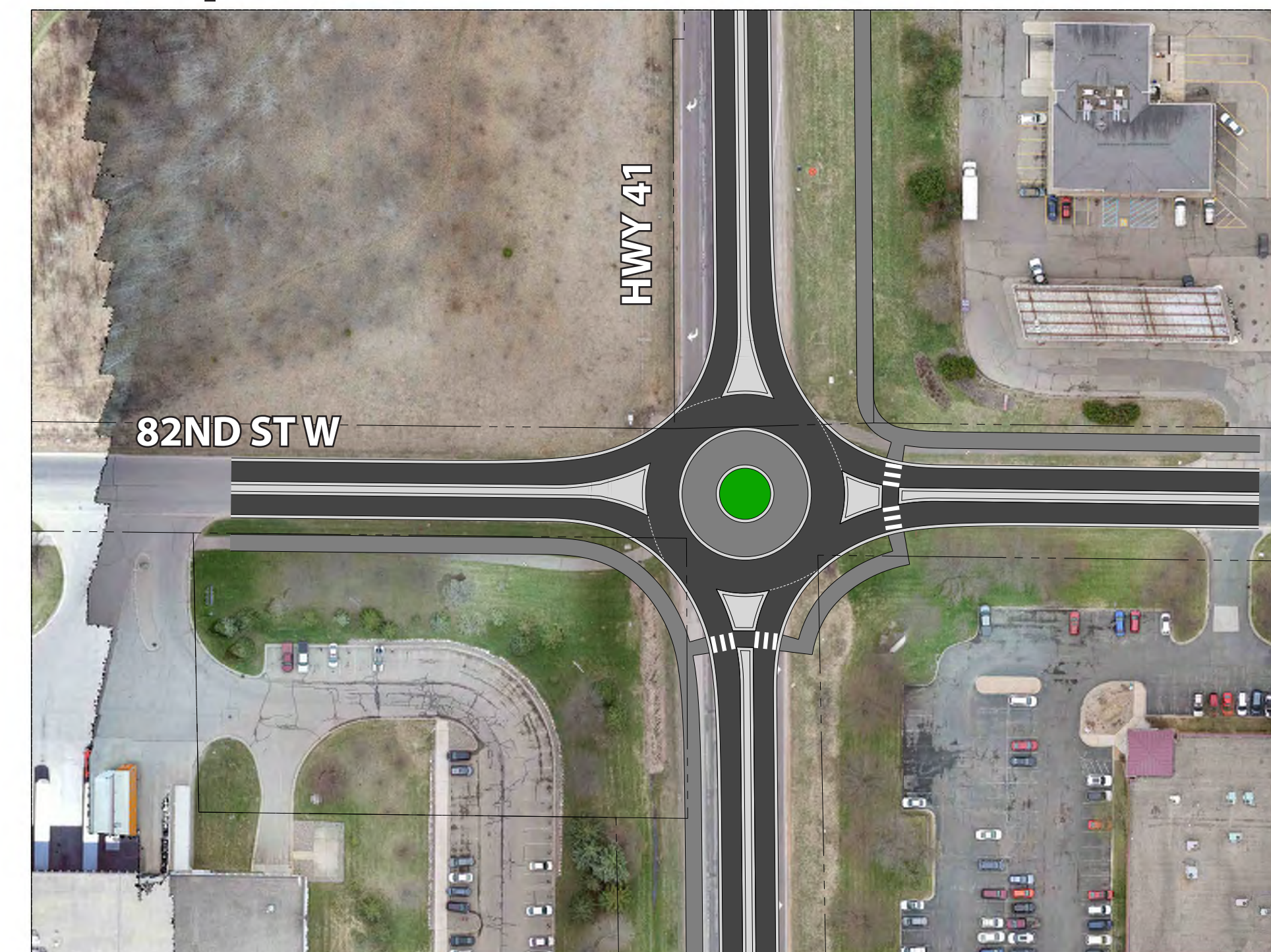


**Scorecard**

OVERALL SCORE: ++

Vehicle Mobility	++
User Safety	+
Support Multimodal Network	++
Respect the Environment	++
Financial Responsibility	++

### Concept 2: Roundabout



**Scorecard**

OVERALL SCORE: +

Vehicle Mobility	++
User Safety	++
Support Multimodal Network	++
Respect the Environment	0
Financial Responsibility	-

What do you think?

## 82nd Street West Alignment: West Curve Concepts

KEY TO SCORES

- Does not meet measure (Red circle with -)
- Minimally meets measure (Orange circle with 0)
- Meets measure (Yellow circle with +)
- Exceeds measure (Green circle with ++)



### Concept 1: Yellow

OVERALL SCORE: 0

*Scorecard*

Vehicle Mobility	++
User Safety	++
Support Multimodal Network	++
Respect the Environment	-
Financial Responsibility	0

### Concept 2: Green

OVERALL SCORE: +

*Scorecard*

Vehicle Mobility	++
User Safety	++
Support Multimodal Network	++
Respect the Environment	0
Financial Responsibility	-

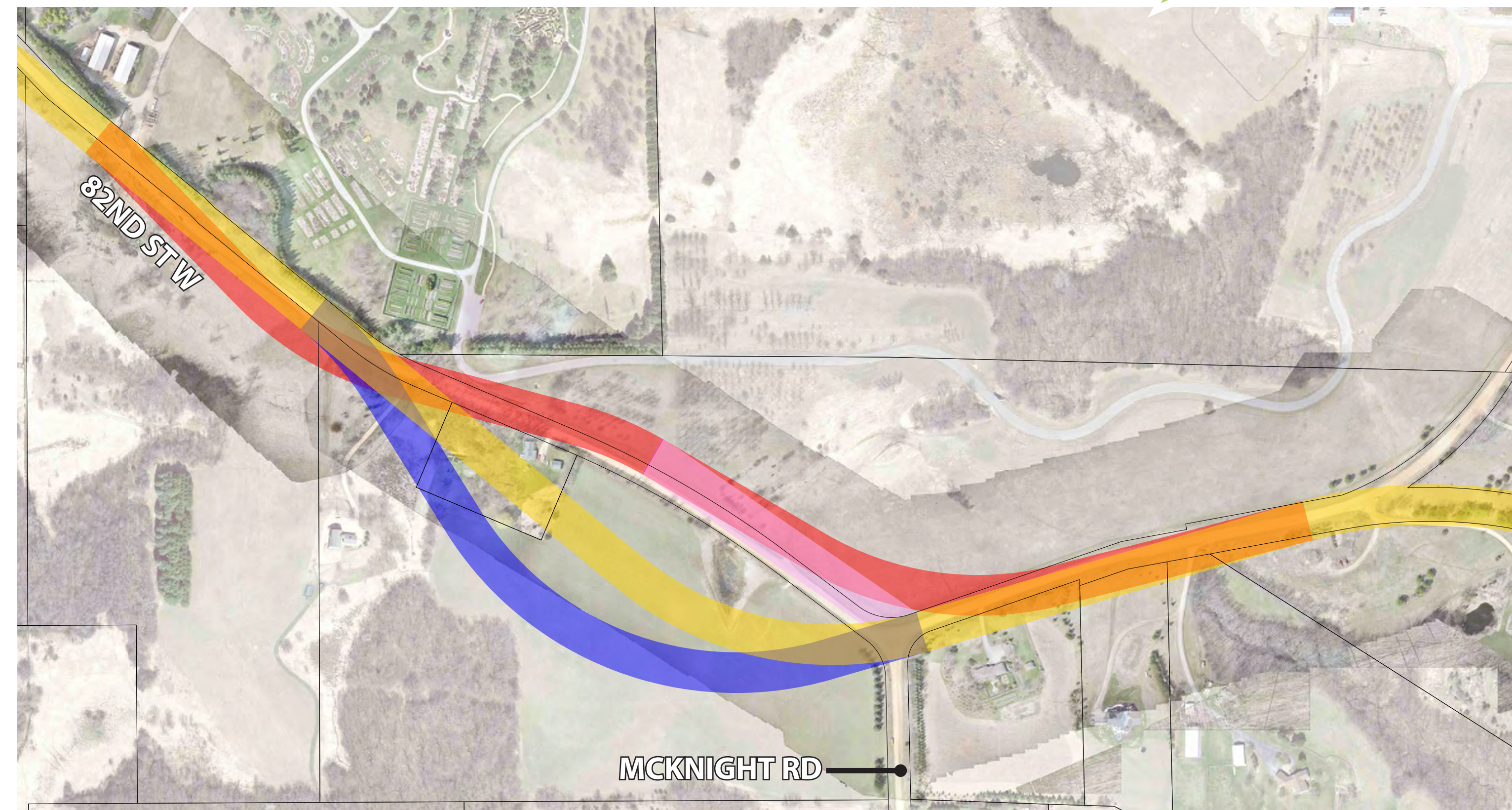
Note: Overall scores different because project team and technical advisory committee gave priority to the *Respect the Environment* measure over the *Financial Responsibility* measure.

What do you think?

## 82nd Street West Alignment: McKnight Curve Concepts

**KEY TO SCORES**

- OVERALL SCORE -** Does not meet measure
- OVERALL SCORE 0** Minimally meets measure
- OVERALL SCORE +** Meets measure
- OVERALL SCORE ++** Exceeds measure



**Concept 1: Yellow**

**OVERALL SCORE** 0

*Scorecard*

Vehicle Mobility	++
User Safety	++
Support Multimodal Network	++
Respect the Environment	-
Financial Responsibility	0

**Concept 2: Red**

**OVERALL SCORE** +

*Scorecard*

Vehicle Mobility	++
User Safety	++
Support Multimodal Network	++
Respect the Environment	0
Financial Responsibility	+

**Concept 3: Purple**

**OVERALL SCORE** +

*Scorecard*

Vehicle Mobility	++
User Safety	++
Support Multimodal Network	++
Respect the Environment	+
Financial Responsibility	0

**Concept 4: Pink (with roundabout only)**

**OVERALL SCORE** +

*Scorecard*

Vehicle Mobility	0
User Safety	++
Support Multimodal Network	++
Respect the Environment	+
Financial Responsibility	++