

# VERONA BIKE AND PEDESTRIAN STUDY

July 25, 2016



# Goals of the Study

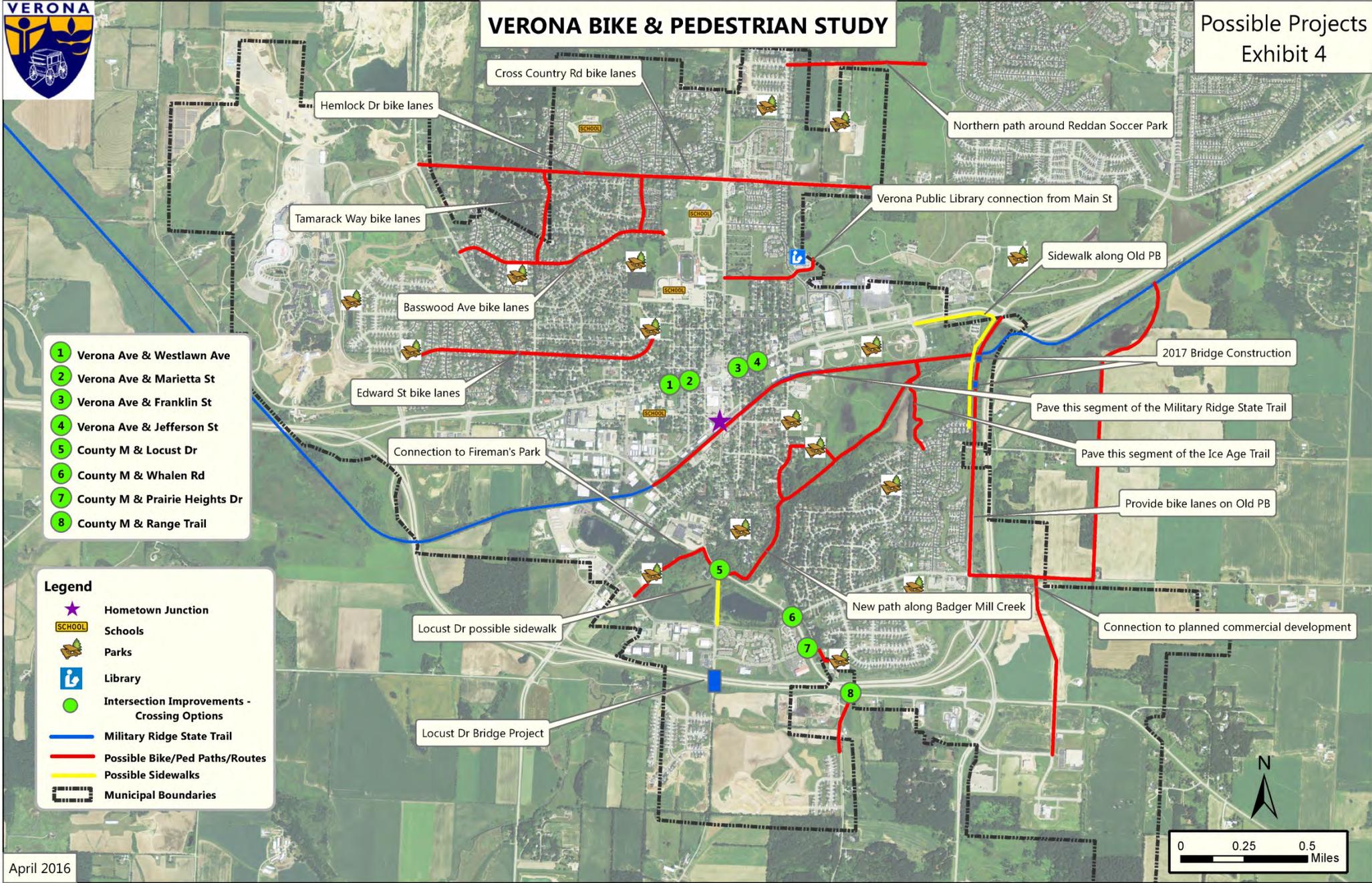
- Access to Downtown
- Access to Schools
- Connect Neighborhoods
- Encourage Biking and Walking
- Improve Safety





# VERONA BIKE & PEDESTRIAN STUDY

## Possible Projects Exhibit 4



CITY OF VERONA



VERONA BIKE & PEDESTRIAN STUDY





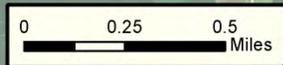
# VERONA BIKE & PEDESTRIAN STUDY

Project #1  
Bike Loops - Citywide  
Exhibit 5-1

This project identifies bike routes throughout the city in order to connect key locations such as schools, parks, and businesses. A total of 6 bike routes were identified. For this project several bike routes signs are proposed to be installed to identify the bike route direction, as well as distance to key locations around the city.

**Legend**

- Hometown Junction
- Schools
- Parks
- Library
- Military Ridge State Trail
- Verona Ave East Loop
- South Neighborhood Loop
- Southeast Neighborhood Loop
- North Neighborhood Loop
- Reddan Park Loop
- Epic Loop
- Municipal Boundaries



**TOTAL PROJECT COST**  
(Cost includes each bike loop and Hometown Junction improvements)  
**\$74,400**

**PROJECT BENEFITS**

- Identifies bike routes connecting schools, parks, and businesses.
- Completes a citywide bike loop network by installing bike route signs with information to bicyclist and pedestrians.
- Encourages people to bike.

April 2016



CITY OF VERONA



VERONA BIKE & PEDESTRIAN STUDY





# VERONA BIKE & PEDESTRIAN STUDY

Project #1  
Bike Loops - Epic Loop  
Exhibit 5-6

**CONFIRMATION SIGNS**  
Indicate to bicyclists that they are on a designated bikeway.



**DECISION SIGNS**  
Mark the junction of two or more bikeways. Informs bicyclists of the designated bike route to access key destinations.



**LOOP SIGNAGE COST**  
\$18,700

### PROJECT BENEFITS

- Identifies a bike route connecting schools, parks, and businesses.
- Connects with other proposed bike routes to complete a citywide network.
- Encourages people to bike.

### Legend

- ★ Hometown Junction
- SCHOOL Schools
- 🍃 Parks
- Confirmation Signs
- Decision Signs
- Epic Loop
- North Neighborhood Loop
- Verona Ave East Loop
- Military Ridge State Trail



April 2016



CITY OF VERONA



VERONA BIKE & PEDESTRIAN STUDY





# VERONA BIKE & PEDESTRIAN STUDY

Project #2  
Downtown Intersection Improvements  
Exhibit 6

Westlawn Ave

Marietta St

Main St/County M

Franklin St

Jefferson St

**PROJECT COST**  
\$349,700

### PROJECT BENEFITS

- Provides better to downtown neighborhood and businesses.
- Better utilization of roadway width to accomodate safer crosswalks.
- Intersection improvements for safer pedestrian/bicyclist crossing.
- Encourages people to bike/walk.

### Verona Ave & Franklin St

Intersection Cost: \$106,900

Construct Curb Bump-Outs  
(each approach)

Install Rectangular Rapid Flash Beacon (RRFB)  
(east-west approach)

### Verona Ave & Jefferson St

Intersection Cost: \$64,100

Construct Curb Bump-Outs  
(west approach)

Install Rectangular Rapid Flash Beacon (RRFB)  
(east-west approach)

### Verona Ave & Westlawn Ave

Intersection Cost: \$64,100

Construct Curb Bump-Outs  
(east approach)

Install Rectangular Rapid Flash Beacon (RRFB)  
(east-west approach)

### Verona Ave & Marietta St

Intersection Cost: \$114,600

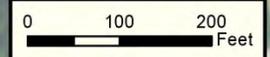
Construct Curb Bump-Outs  
(each approach)

Install Rectangular Rapid Flash Beacon (RRFB)  
(east-west approach)

Typical Curb Bump-Outs



Rectangular Rapid Flash Beacon (RRFB)



April 2016



CITY OF VERONA



VERONA BIKE & PEDESTRIAN STUDY



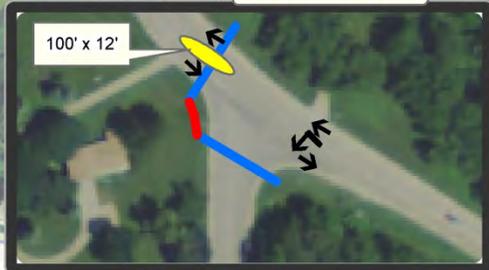


# VERONA BIKE & PEDESTRIAN STUDY

Project #3  
County M Intersection Improvements  
Exhibit 7

**County M & Locust Dr**  
Intersection Cost: \$41,400

**Locust Dr Intersection**

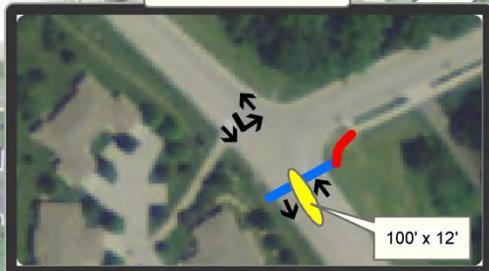


**County M & Whalen Rd**  
Intersection Cost: \$33,900

Intersection improvements for Prairie Heights Dr, Whalen Rd, and Locust Dr. Improvements include constructing a median island, extending the existing sidewalk, and a crosswalk. Each crosswalk, with the exception of Whalen Rd, would have the installation of a Rectangular Rapid Flash Beacon (RRFB).

**PROJECT COST**  
\$120,000

**Whalen Rd Intersection**



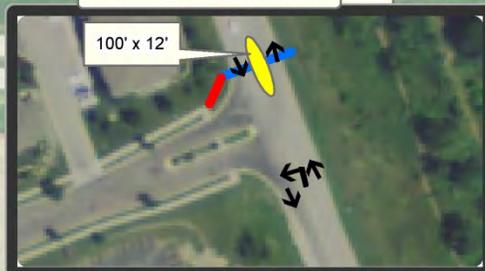
**County M & Prairie Heights Dr**  
Intersection Cost: \$39,300

**PROJECT BENEFITS**

- Provides better access of southern neighborhoods/businesses to the downtown area.
- Intersection improvements for safer pedestrian/bicyclist crossing.
- Provides better access to various parks and schools.
- Encourages people to bike/walk.

**Prairie Heights Dr**

**Prairie Heights Dr Intersection**



**Legend**

- Schools
- Parks
- Sidewalk
- Crosswalk
- Median Island

0 250 500 Feet

April 2016



CITY OF VERONA



VERONA BIKE & PEDESTRIAN STUDY





# VERONA BIKE & PEDESTRIAN STUDY

Project #4  
Bike Lanes  
Exhibit 8-1



CITY OF VERONA



VERONA BIKE & PEDESTRIAN STUDY





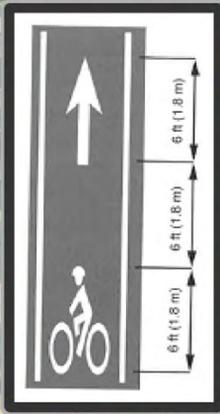
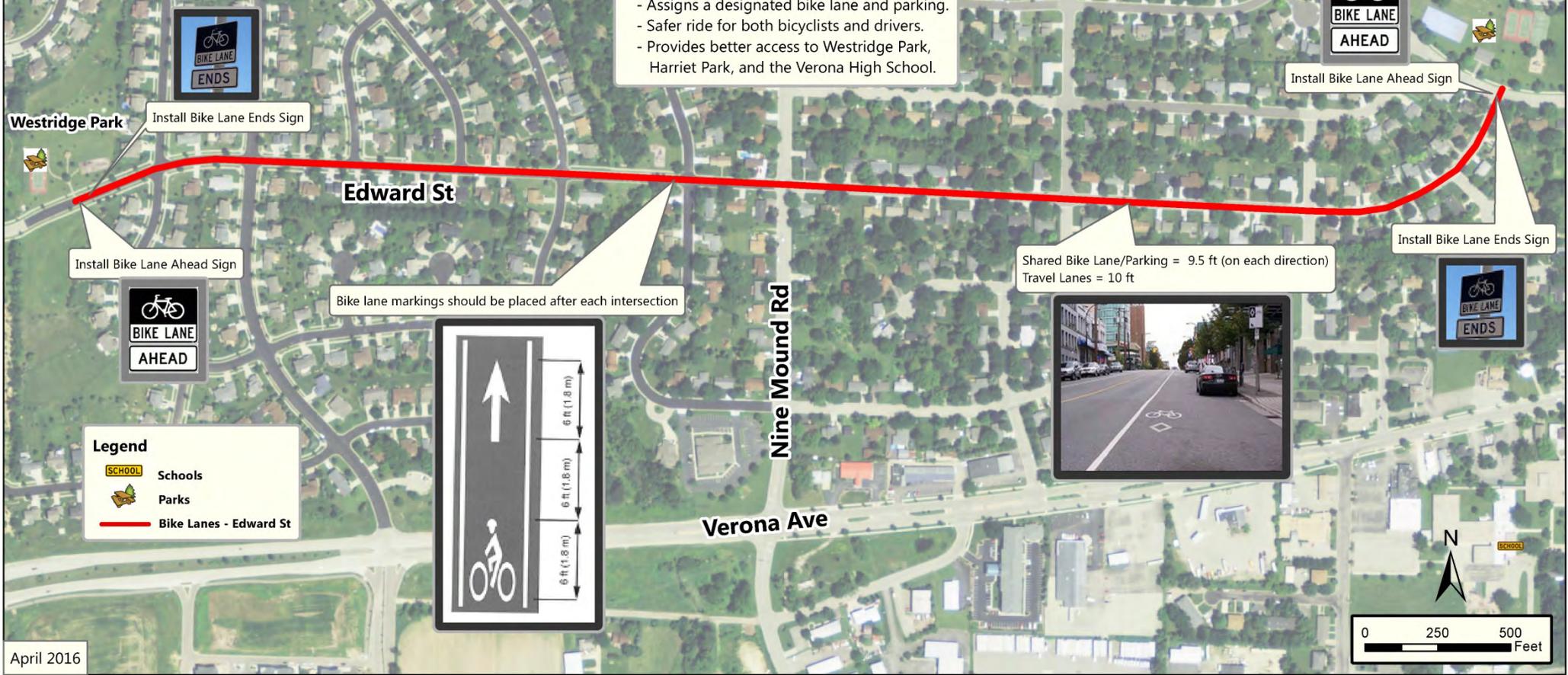
# VERONA BIKE & PEDESTRIAN STUDY

Project #4  
Bike Lanes - Edward St  
Exhibit 8-2

Roadway Width = 39 ft  
Segment Length = approx. 5,100 ft  
Bike Lanes connecting Westridge Park & Harriet Park

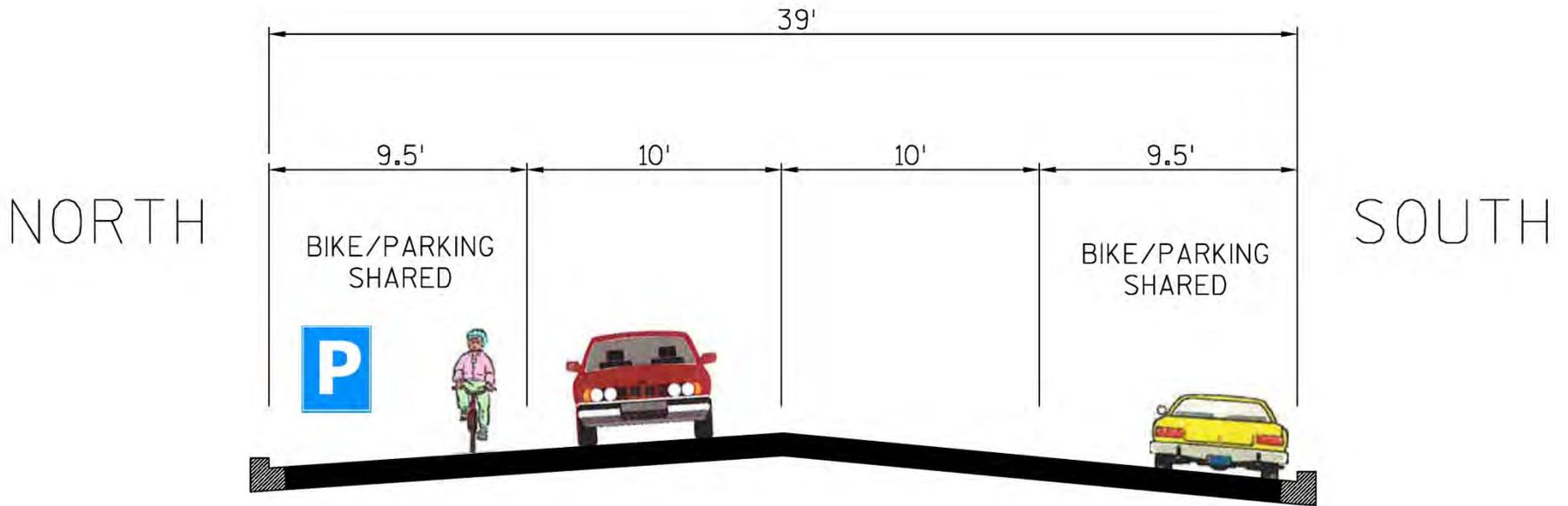
**EDWARD BIKE LANES COST**  
\$38,200

- PROJECT BENEFITS**
- Better utilization of the roadway width.
  - Assigns a designated bike lane and parking.
  - Safer ride for both bicyclists and drivers.
  - Provides better access to Westridge Park, Harriet Park, and the Verona High School.



April 2016

# TYPICAL ROADWAY CROSS SECTION EDWARD STREET



## VERONA BIKE & PEDESTRIAN STUDY



PROJECT #4  
BIKE LANES - EDWARD ST  
EXHIBIT 8-3  
APRIL 2016



CITY OF VERONA

VERONA BIKE & PEDESTRIAN STUDY





# VERONA BIKE & PEDESTRIAN STUDY

Project #10  
County M Sidewalk  
Exhibit 14-1

**PROJECT COST**  
\$633,500

**PROJECT BENEFITS**  
- Connects the southern neighborhood to the rest of the City.  
- Provides better access to Glacier Edge Elementary School.  
- Encourages people to bike/walk to the downtown area.



Proposed Bike Lanes on County M between Whalen Rd & Locust Dr

Section 5 - Cost: \$22,600  
Carnes island  
Sidewalk Width = 5 ft  
Sidewalk Length = approx. 260 ft

Relocate 3 light poles

Construct a 150' x 6' wall

Install guardrail

Section 4 - Cost: \$165,600  
Locust Dr - Carnes driveway  
Path Width = 10 ft  
Section Length = approx. 600 ft

Section 3 - Cost: \$311,600  
Whalen Rd - Locust Dr  
Sidewalk Width = 5 ft  
Sidewalk Length = approx. 1,300 ft  
Path Width = 10 ft  
Path Length = approx. 550 ft  
Includes adding bike lanes in this section

Add Crosswalk

Sidewalk connecting Prairie Heights Dr, Whalen Rd, Locust Dr, and sidewalks leading to downtown.

A proposed 10' path to be constructed in this project as part of the Badger Mill Creek Trail project.

Section 2 - Cost: \$47,800  
Prairie Heights Dr - Whalen Rd  
Sidewalk Width = 5 ft  
Section Length = approx. 680 ft

Section 1 - Cost: \$85,900  
Bridge - Prairie Heights Dr  
Sidewalk Width = 5 ft  
Section Length = approx. 800 ft

Connect to existing sidewalk on the bridge

**Legend**

- Parks
- County M - Sidewalk (5')
- County M - Path (10')

0 250 500 Feet

April 2016



# VERONA BIKE & PEDESTRIAN STUDY

## Project #6 Ice Age Junction Path Extension Exhibit 10

**Legend**

- Hometown Junction
- Schools
- Parks
- Confirmation Signs
- Decision Signs
- Ice Age Junction Path Extension - Phase 1
- Ice Age Junction Path Extension - Phase 2
- Ice Age Junction Path Extension - Phase 3
- Ice Age Junction Path Extension - Phase 4
- Military Ridge State Trail
- Segment to be completed in Project #7

Phase 1 - Cost: \$286,600  
Off-Street Path Width = 14 ft  
Off-Street Path Length = approx. 2,950 ft  
On-Street Path Length = approx. 1,520 ft

Phase 2 - Cost: \$813,400  
Off-Street Path Width = 14 ft  
Off-Street Path Length = approx. 2,050 ft  
Approximately 300' of boardwalk  
The path along County M to be constructed in Project #10 (County M Sidewalk)

Phase 3 - Cost: \$567,400  
Off-Street Path Width = 14 ft  
Off-Street Path Length = approx. 1,700 ft  
Approximately 200' of boardwalk

Phase 4 - Cost: \$107,300  
Off-Street Path Width = 14 ft  
Off-Street Path Length = approx 1,200 ft  
On-Street Path Length = approx. 770 ft

Path starts/ends at Bruce St



Proposed conditions



Existing conditions

Construct bridge over drainage

Proposed path/trail will utilize existing bridge



14' wide segment to be completed in Project #7 as part of the Military Ridge Reserve Trail

Path starts/ends at Military Ridge Reserve Junction

**PROJECT COST**  
\$1,774,700

### PROJECT BENEFITS

- Runs basically the entire city with minor vehicular interaction.
- Connects with the Military Ridge State Trail for more access to the City and the City of Madison.
- Provides better access to various parks and schools.
- Runs along the Badger Mill Creek for a pleasant and scenic travel.
- Encourages people to bike/walk.

**DECISION SIGNS**  
Mark the junction of two or more bikeways. Informs bicyclists of the designated bike route to access bike destinations.

**CONFIRMATION SIGNS**  
Indicate to bicyclists that they are on a designated bikeway.

N

April 2016



# Questions?

