

PROJECT PURPOSE AND GOALS

www.co.carver.mn.us/departments/public-works/projects-studies/highway-18-43-project

PURPOSE

Carver County and the City of Victoria are partnering to review the intersection of Victoria Drive (Highway 11) and Church Lake Boulevard (Highway 43/Highway 18). This location has been identified by the City and County as an intersection of concern as the current two-way stop-controlled intersection results in inefficient operations and safety concerns that fail to meet today's standards.

Several design alternatives for the intersection were reviewed with a recommended concept identified. The proposed intersection control will seek to enhance safety and efficiency for all users through several improvements, including added right turn lanes on select approaches, marked pedestrian crosswalks and improved signage, and the eventual installation of a traffic signal.



GOALS

- Reduce vehicle delays on Church Lake Road/Highway 18 approaches while maintaining operations on Victoria Drive.
- Improve pedestrian mobility and accessibility.
- Safely accommodate all users at the intersection.
- Develop a financially responsible and sustainable solution that minimizes impacts to the area.
- Align improvements with 2020 mill and overlay of Highway 43 and 18.

CONTACTS

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City Engineer
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SCHEDULE

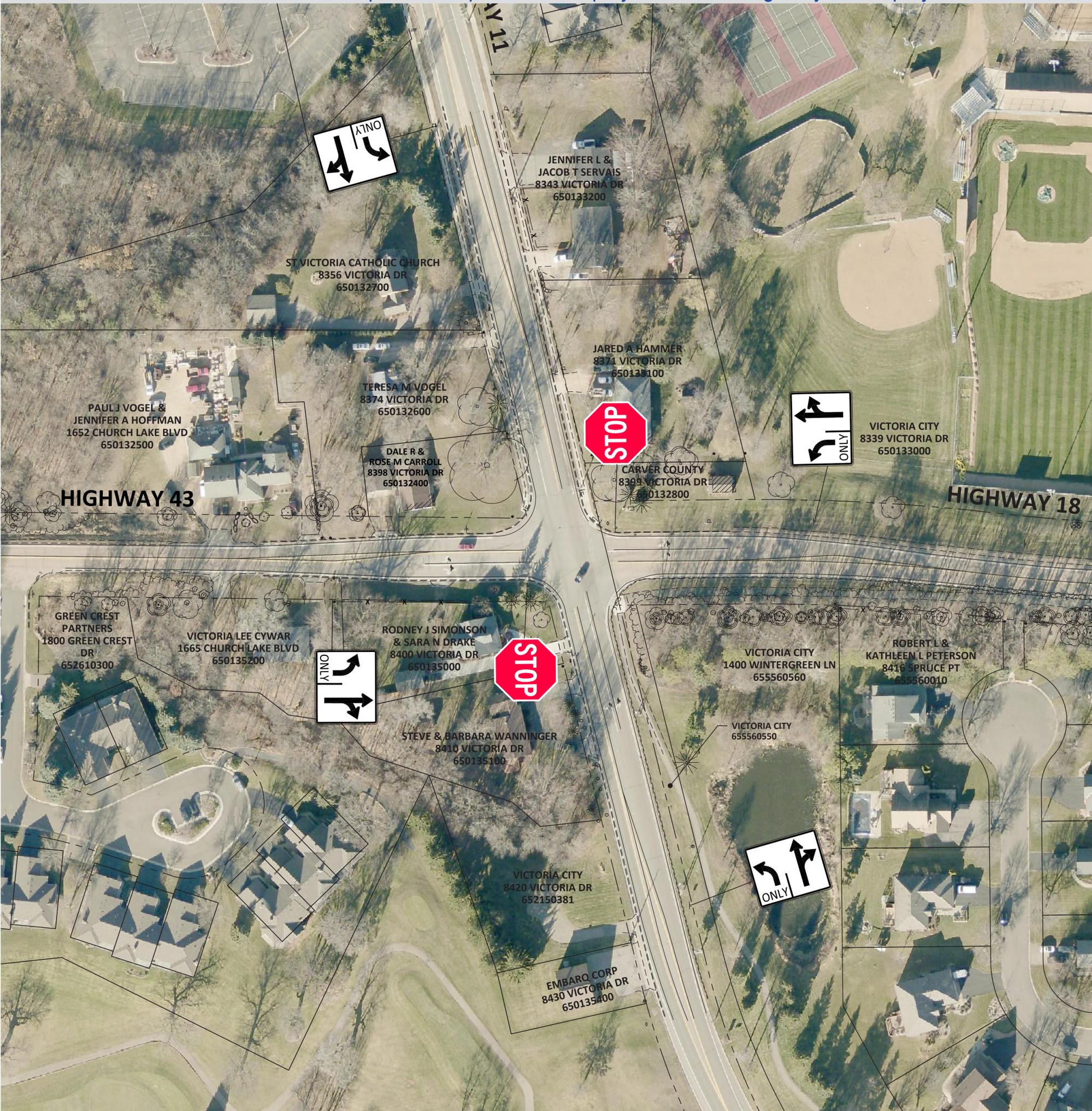


You are here.
MAY 30, 2019
OPEN HOUSE



EXISTING CONDITIONS

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Existing Conditions

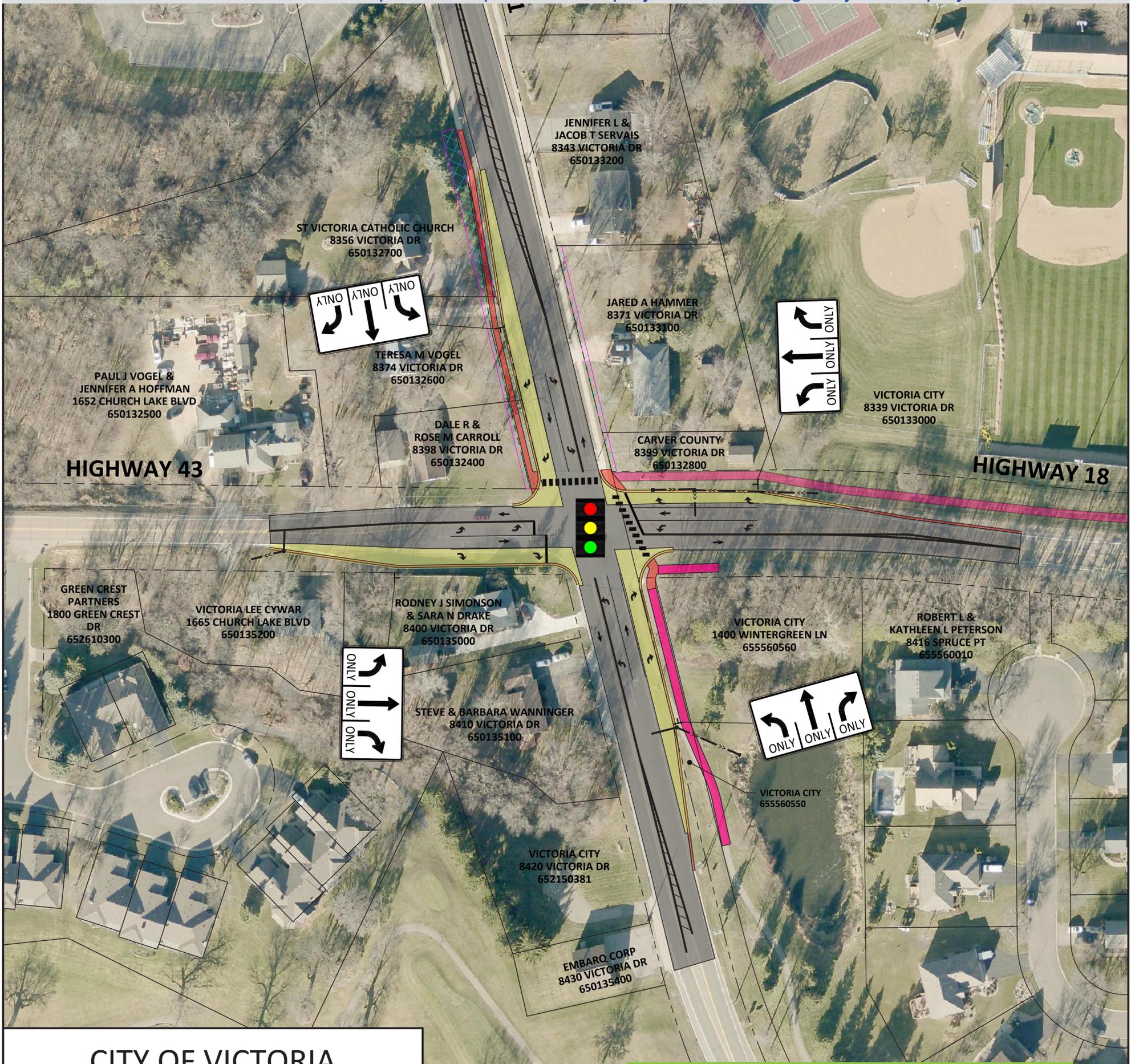
- Speed Limit: 30 MPH
- Side-Street Stop Controlled
- No Marked Crosswalk or Warning Signs
- Sight Line Concerns Due to Trees and Horizontal Curve South of Intersection
- Nearby Driveways
- Difficulty Making Left Turns onto Victoria Drive During Peak Periods

Breakdown

- Pros: No cost, little delay on Victoria Drive approaches
- Cons: Poor east/west operations in future years, poor safety, pedestrians have difficulty crossing Victoria Drive, inadequate sight lines vehicle and pedestrian
- Costs: None
- Right-of-Way Impacts: None
- Warrants Met? N/A

TRAFFIC SIGNAL - 1

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CITY OF VICTORIA HIGHWAY 18-43 PROJECT MAY, 2019

LEGEND

- FULL DEPTH PAVEMENT
- MILL & OVERLAY
- CONCRETE RAISED MEDIANS, SIDEWALKS, CURB & GUTTER, & DRIVEWAYS
- BITUMINOUS TRAIL
- PROPOSED RIGHT-OF-WAY



Breakdown

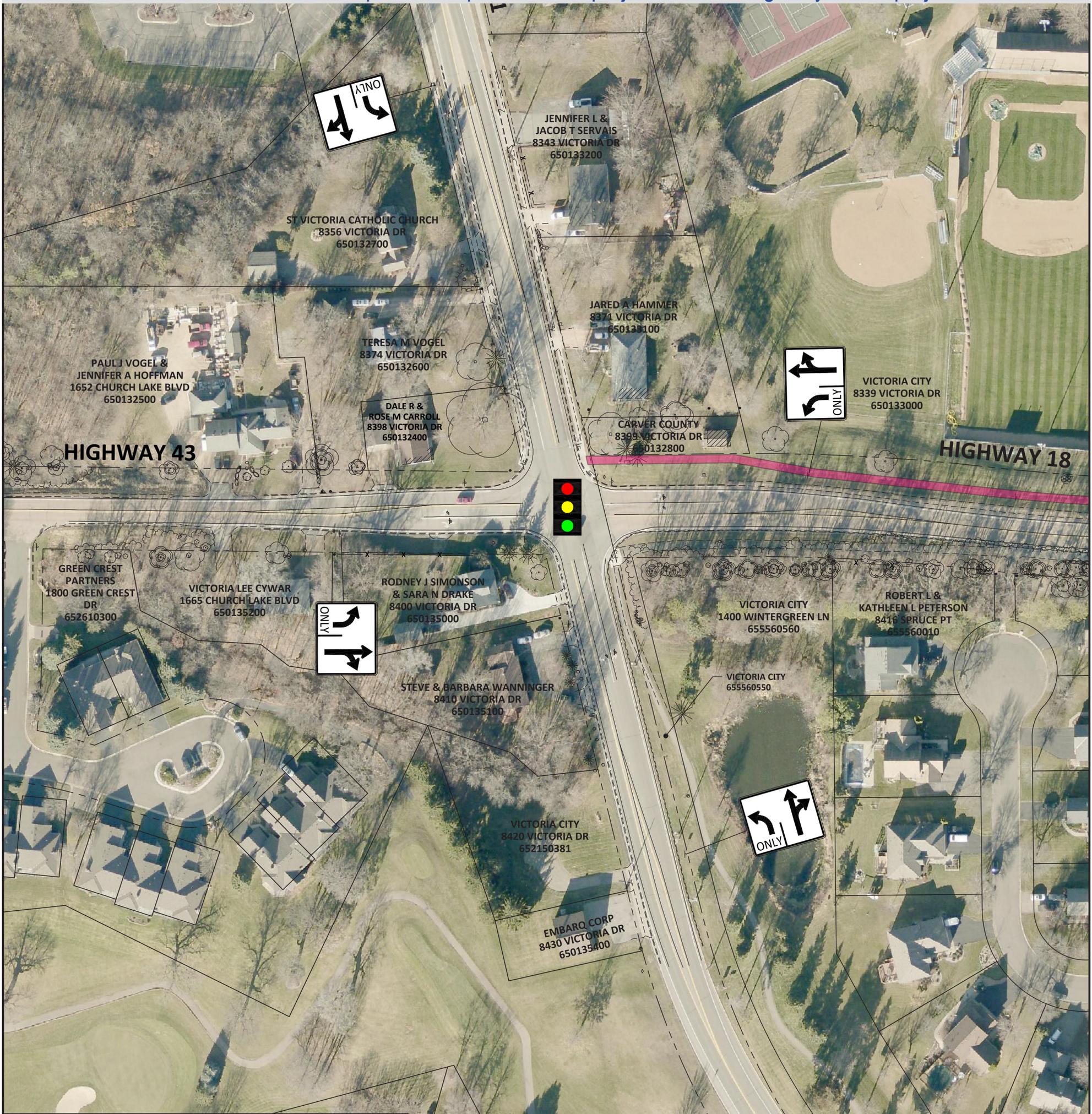
- Pros: Improved pedestrian accessibility, improved operations on east/west approaches, safety benefits for pedestrians and right-angle crashes
- Cons: Increased delay on Victoria Drive, backups on Victoria Drive, increased off-peak vehicle delays
- Costs: \$900,000 - 1.1 M
- Right-of-Way Impacts: None
- Warrants Met? Warranted with near-term growth

Note: Turn lane needs on all approaches will be reviewed when finalizing the recommended alternative.



TRAFFIC SIGNAL - 2

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CITY OF VICTORIA HIGHWAY 18-43 PROJECT MAY, 2019

LEGEND

 BITUMINOUS TRAIL



0 50 100
SCALE FEET

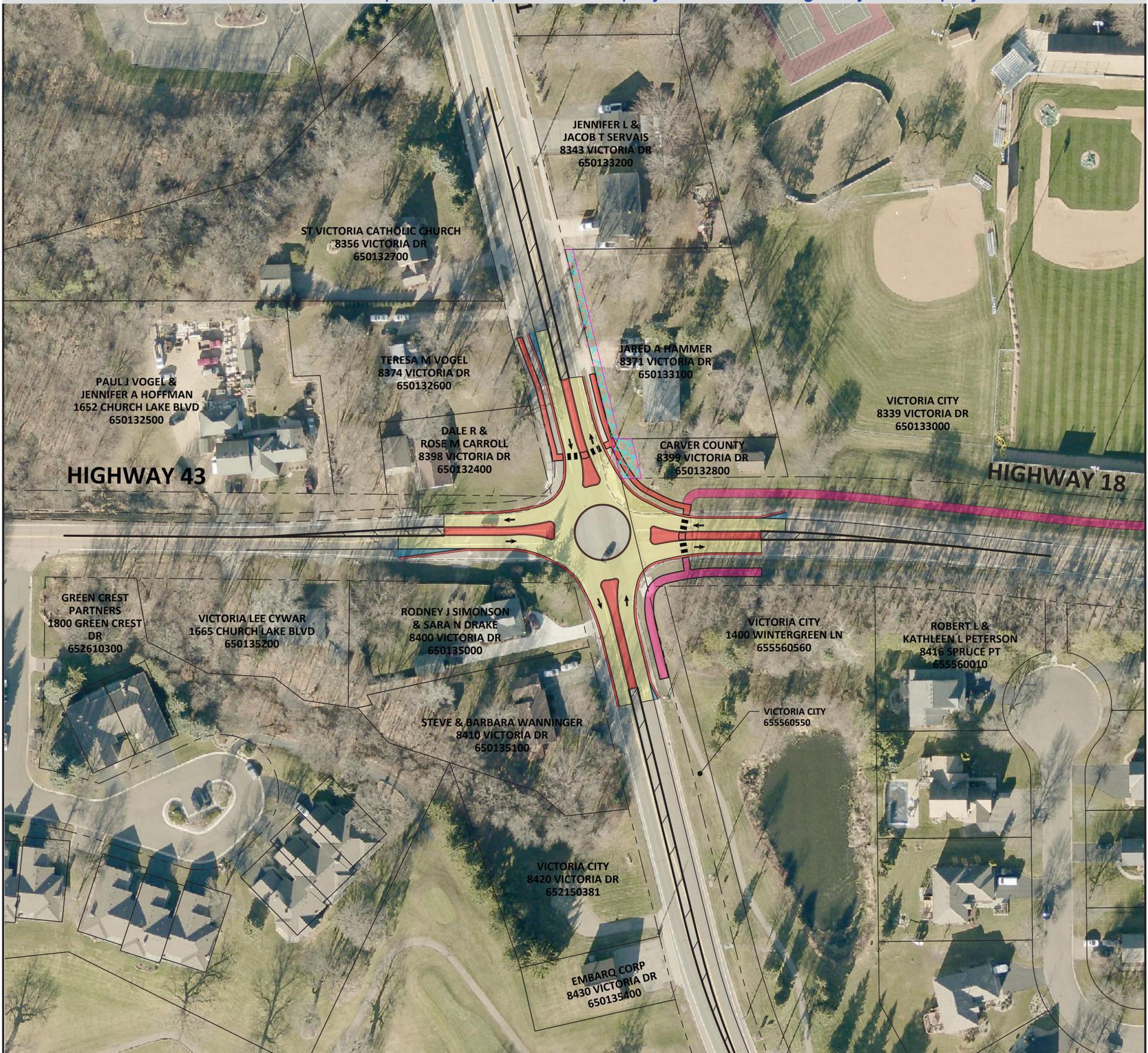


Breakdown

- Pros: Improved pedestrian accessibility, improved operations on east/west approaches, safety benefits for pedestrians and right-angle crashes
- Cons: Increased delay on Victoria Drive, backups on Victoria Drive, increased off-peak vehicle delays
- Costs: \$350,000-500,000
- Right-of-Way Impacts: None
- Warrants Met? Warranted with near-term growth

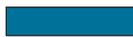
MINI ROUNDABOUT

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CITY OF VICTORIA HIGHWAY 18-43 PROJECT MAY, 2019

LEGEND

-  BITUMINOUS ROADWAY
-  CONCRETE RAISED MEDIANS, SIDEWALKS, CURB & GUTTER, & DRIVEWAYS
-  BITUMINOUS SHOULDERS
-  BITUMINOUS TRAIL
-  PROPOSED RIGHT-OF-WAY



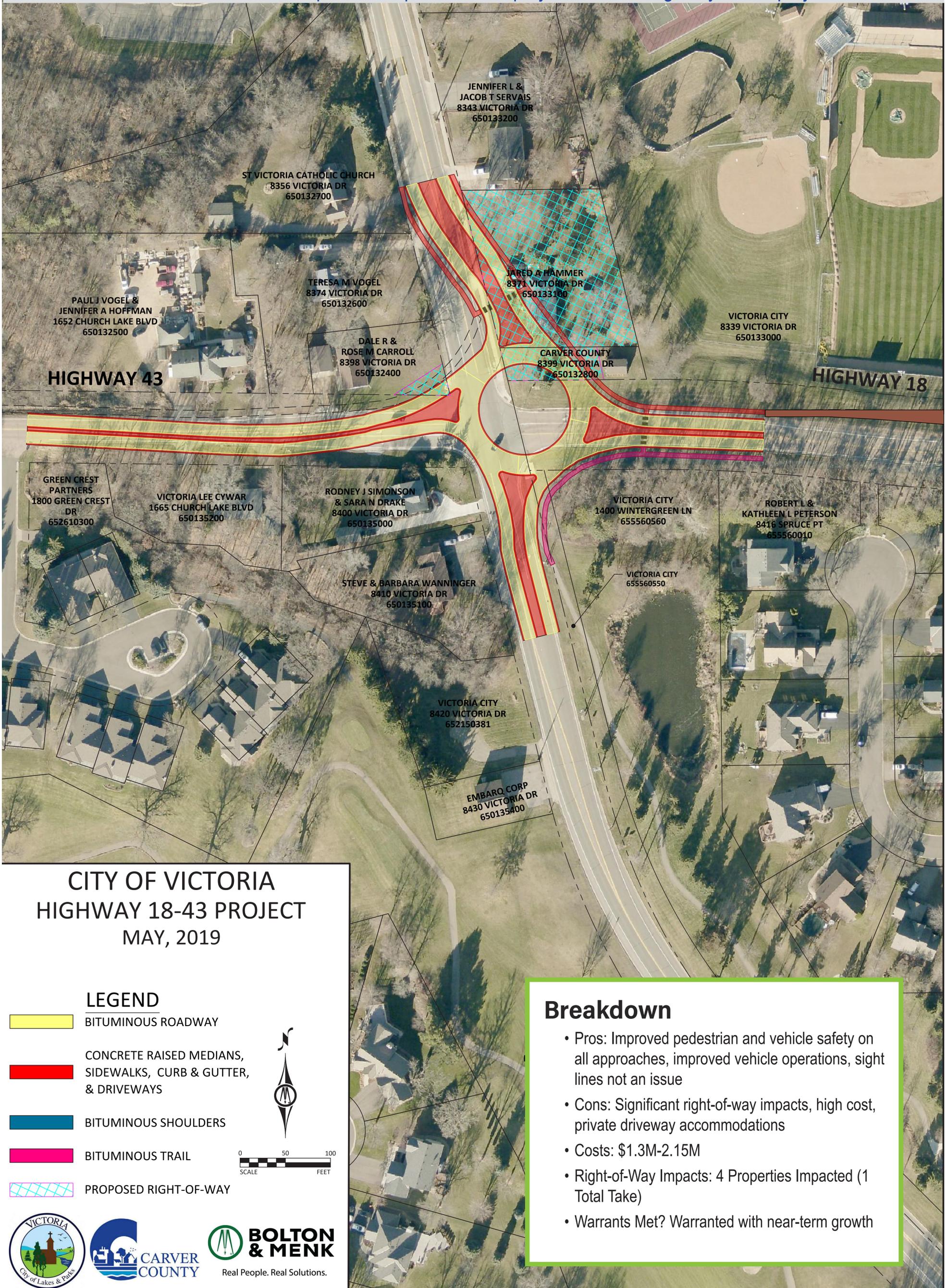
Breakdown

- Pros: Improved pedestrian and vehicle safety on all approaches, improved vehicle operations, less impacts than full roundabout, sight lines not an issue
- Cons: Uncertainty with long-term vehicle operations, maintenance concerns, privatize driveway accommodations
- Costs: \$650,000-800,000
- Right-of-Way Impacts: 3 Properties Impacted
- Warrants Met? Warranted with near-term growth



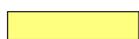
SINGLE LANE ROUNDABOUT

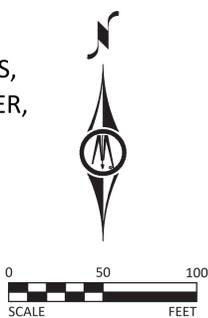
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**CITY OF VICTORIA
HIGHWAY 18-43 PROJECT
MAY, 2019**

LEGEND

-  BITUMINOUS ROADWAY
-  CONCRETE RAISED MEDIANS, SIDEWALKS, CURB & GUTTER, & DRIVEWAYS
-  BITUMINOUS SHOULDERS
-  BITUMINOUS TRAIL
-  PROPOSED RIGHT-OF-WAY



Breakdown

- Pros: Improved pedestrian and vehicle safety on all approaches, improved vehicle operations, sight lines not an issue
- Cons: Significant right-of-way impacts, high cost, private driveway accommodations
- Costs: \$1.3M-2.15M
- Right-of-Way Impacts: 4 Properties Impacted (1 Total Take)
- Warrants Met? Warranted with near-term growth

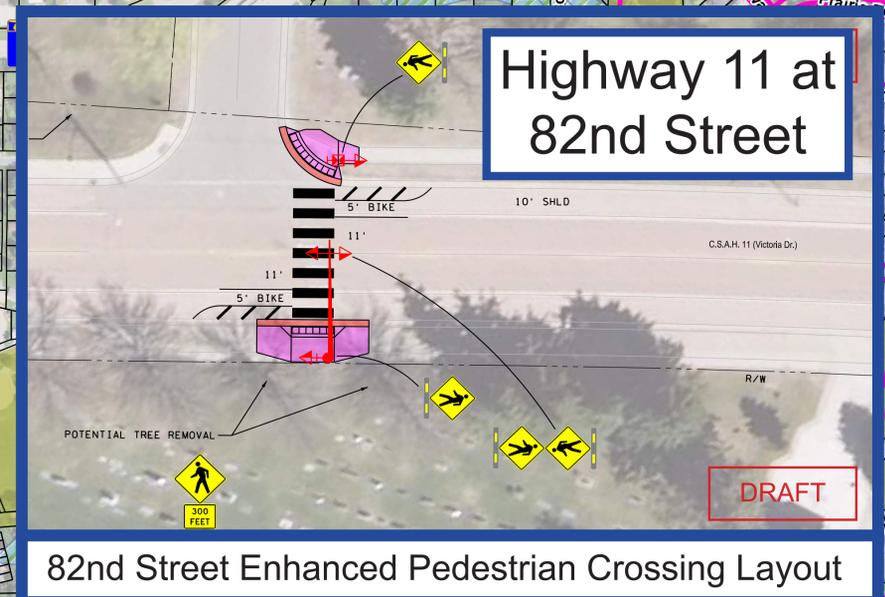


HIGHWAY 18-43 PROJECT

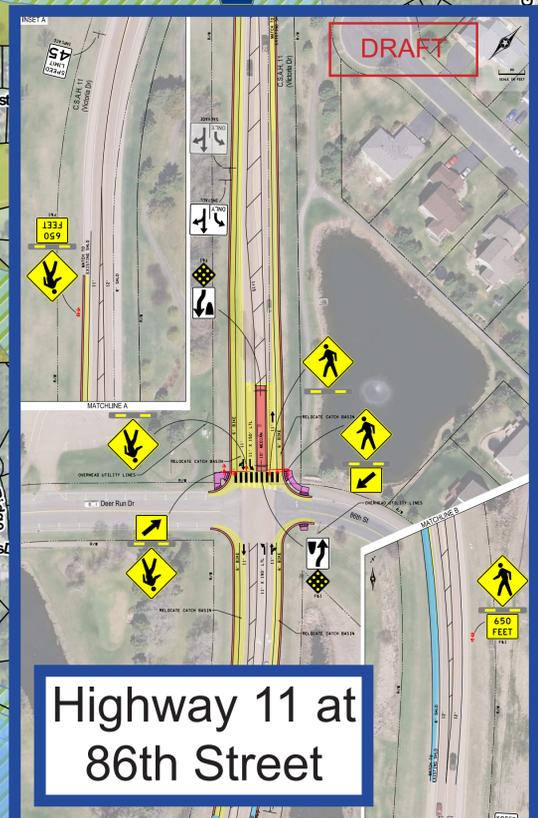
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Example Enhanced Pedestrian Crossing Visualization



82nd Street Enhanced Pedestrian Crossing Layout



Highway 11 at 86th Street

86th Street Enhanced Pedestrian Crossing

Legend

- Planned Enhanced Pedestrian Crossing
- Existing Sidewalk and Trail Connections
- Water
- Wetlands
- Parks
- Parcels
- Trail Gap

0 1,000 Feet

Source: Carver County, City of Victoria

