



City of Worcester

# Highland Street & Newton Square

Complete Streets Redesign Informational Meeting



February 11<sup>th</sup>, 2026

# Introductions



**James Fitzgerald, PE, LEED AP**  
Principal



**Ryan Hayden**  
Sr. Project Engineer



# Today's Topics

- Project Goals
- Existing Conditions
- Proposed Improvements
- Next Steps



# Project Goals



Provide Safe & Accessible Pedestrian Accommodations



Provide Safe & Continuous Bike Accommodations



Promote Safe Travel Speeds & Reduce Conflict Points



Minimize Impacts to Right-of-Way & Existing Features



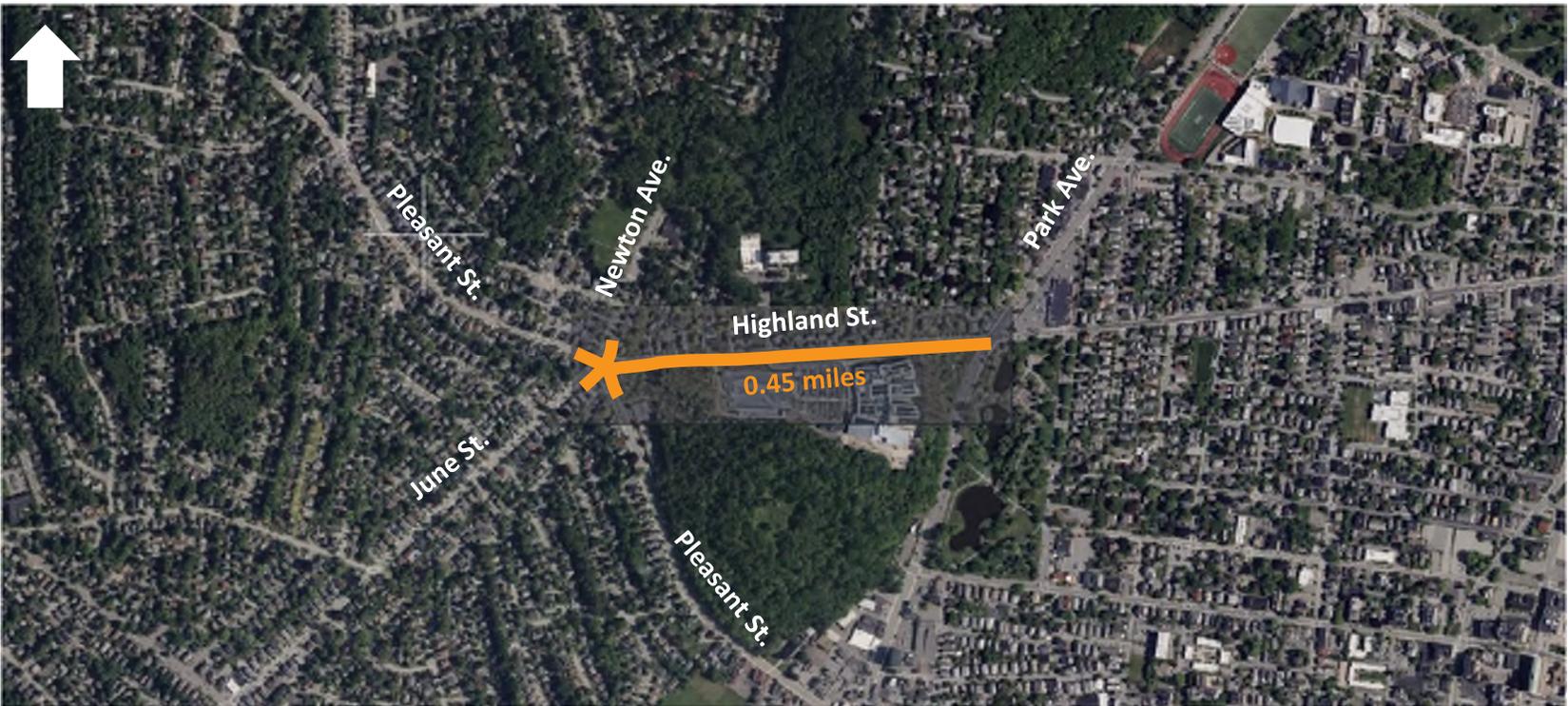
Accommodate School Arrival and Dismissal



Restore Pavement Condition



# Project Limits



# The Project



# Crash Rates



*\*Based on City of Worcester Crash Rate Calculations*



# Newton Square

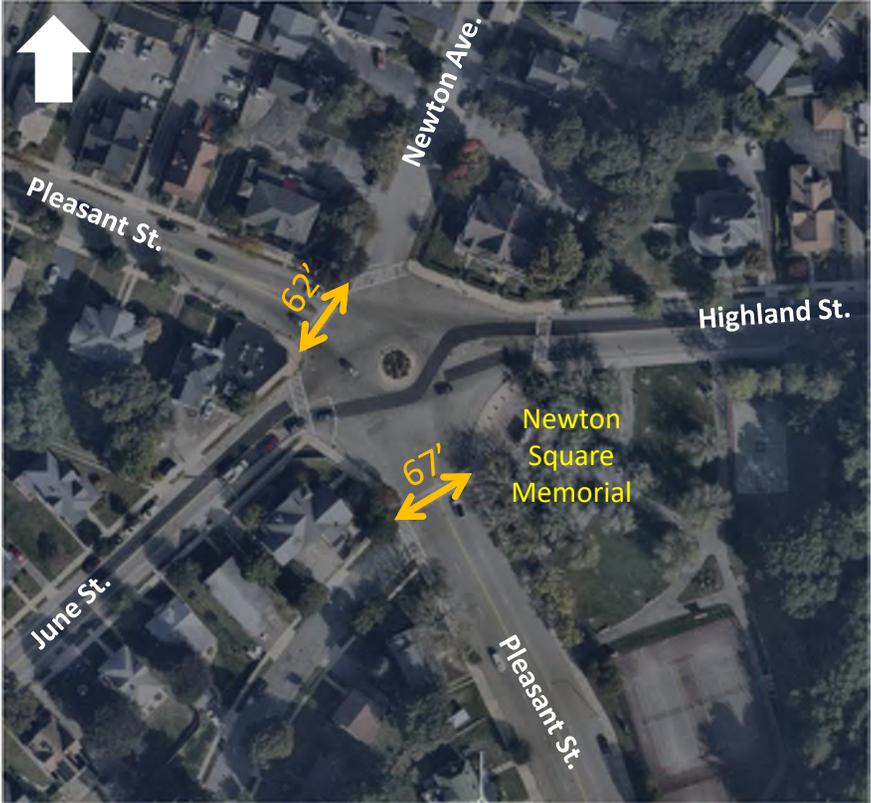
# Existing Conditions- Newton Square



Excessive Pavement Lacking Delineation (0.6 acres)



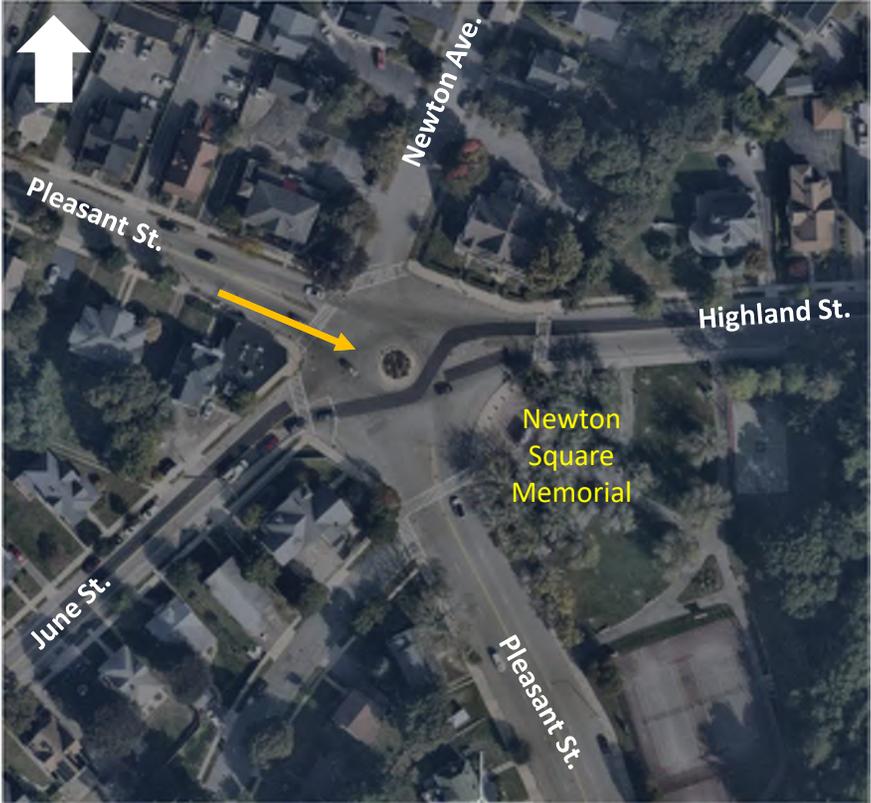
# Existing Conditions- Newton Square



Long Pedestrian Crossing Distances



# Existing Conditions- Newton Square



Lack of Deflection



# Existing

Pleasant St.

Newton Ave.

Highland St.

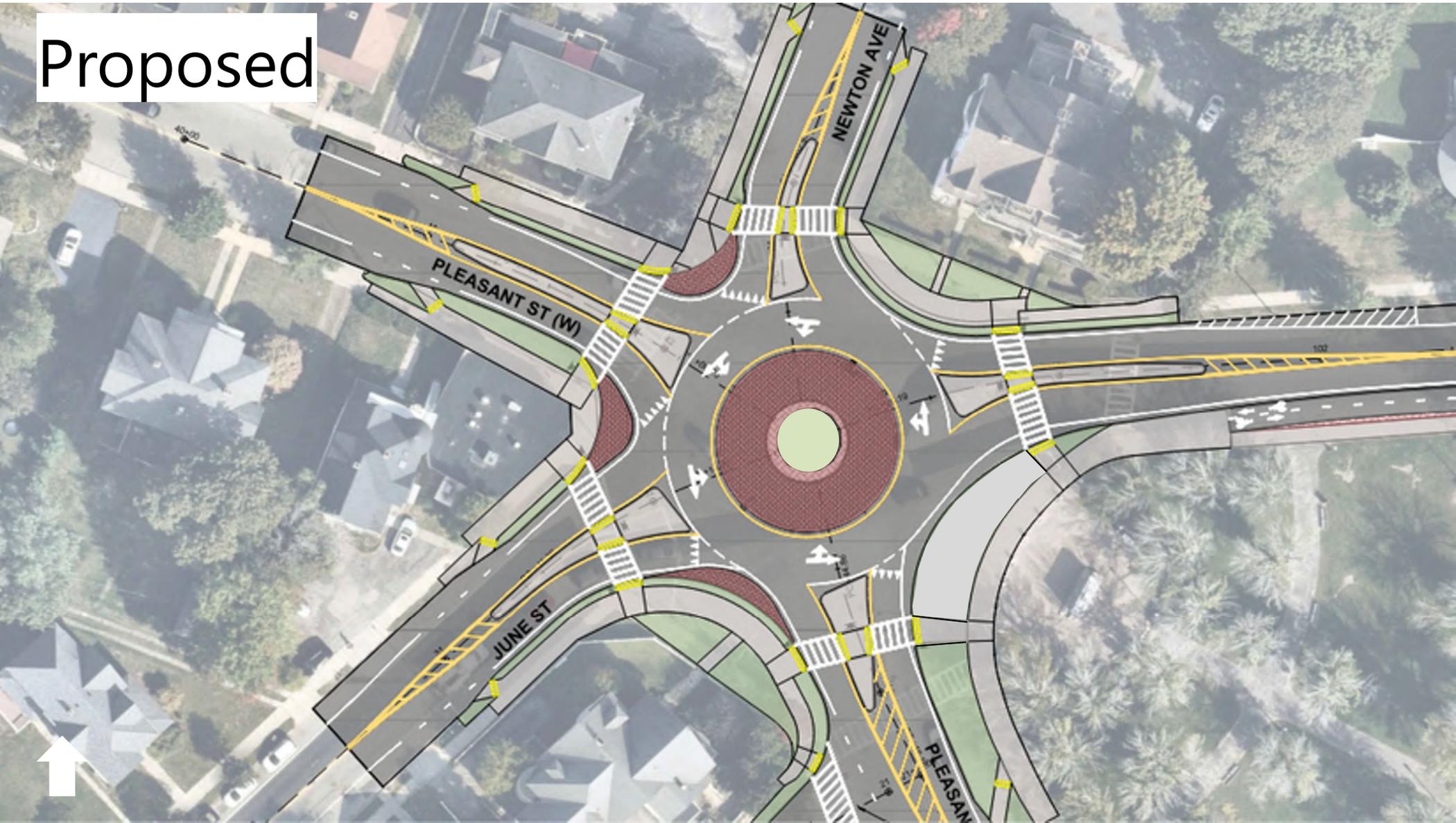
Newton  
Square  
Memorial

June St.

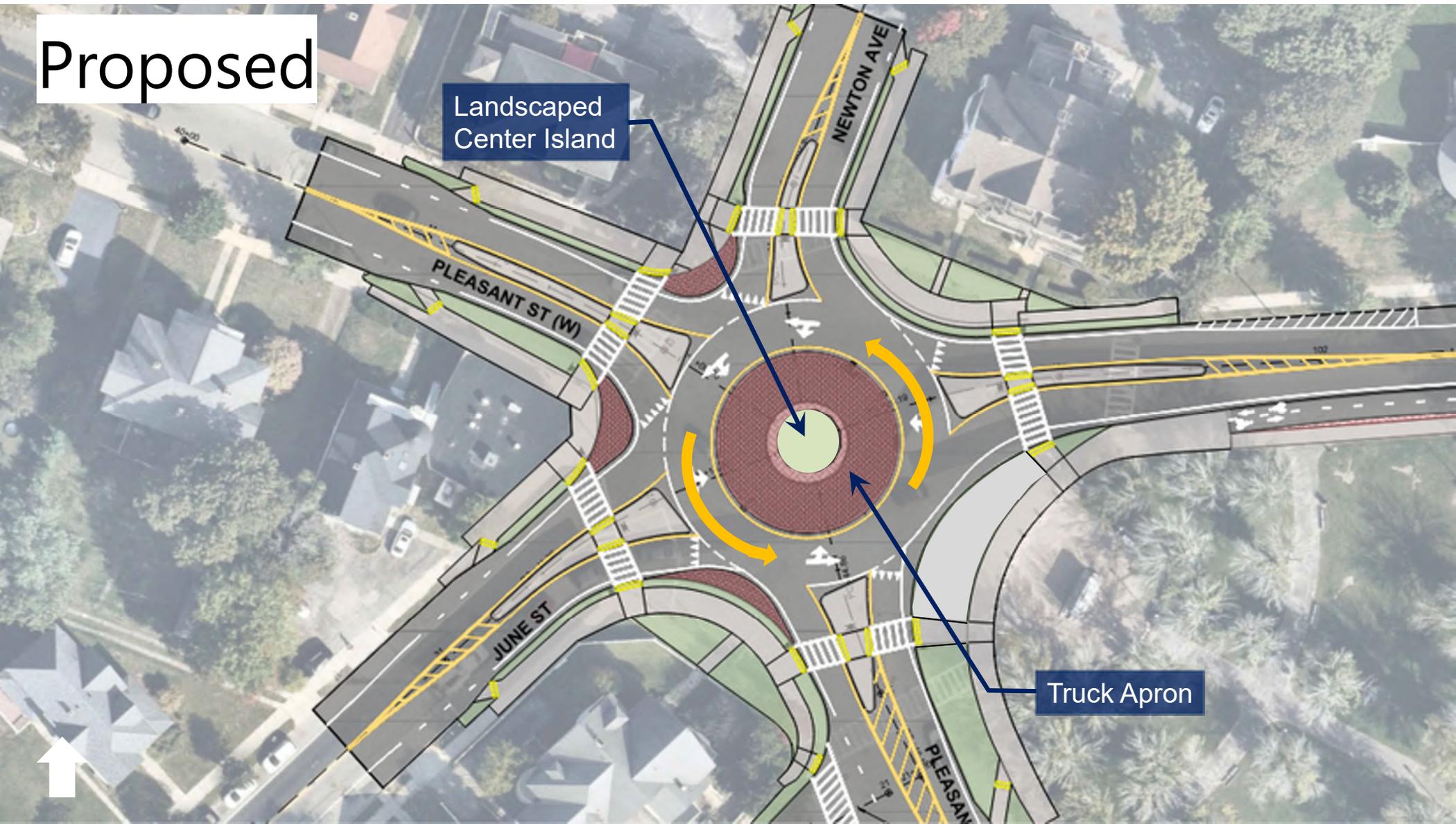
Pleasant St.



Proposed



# Proposed

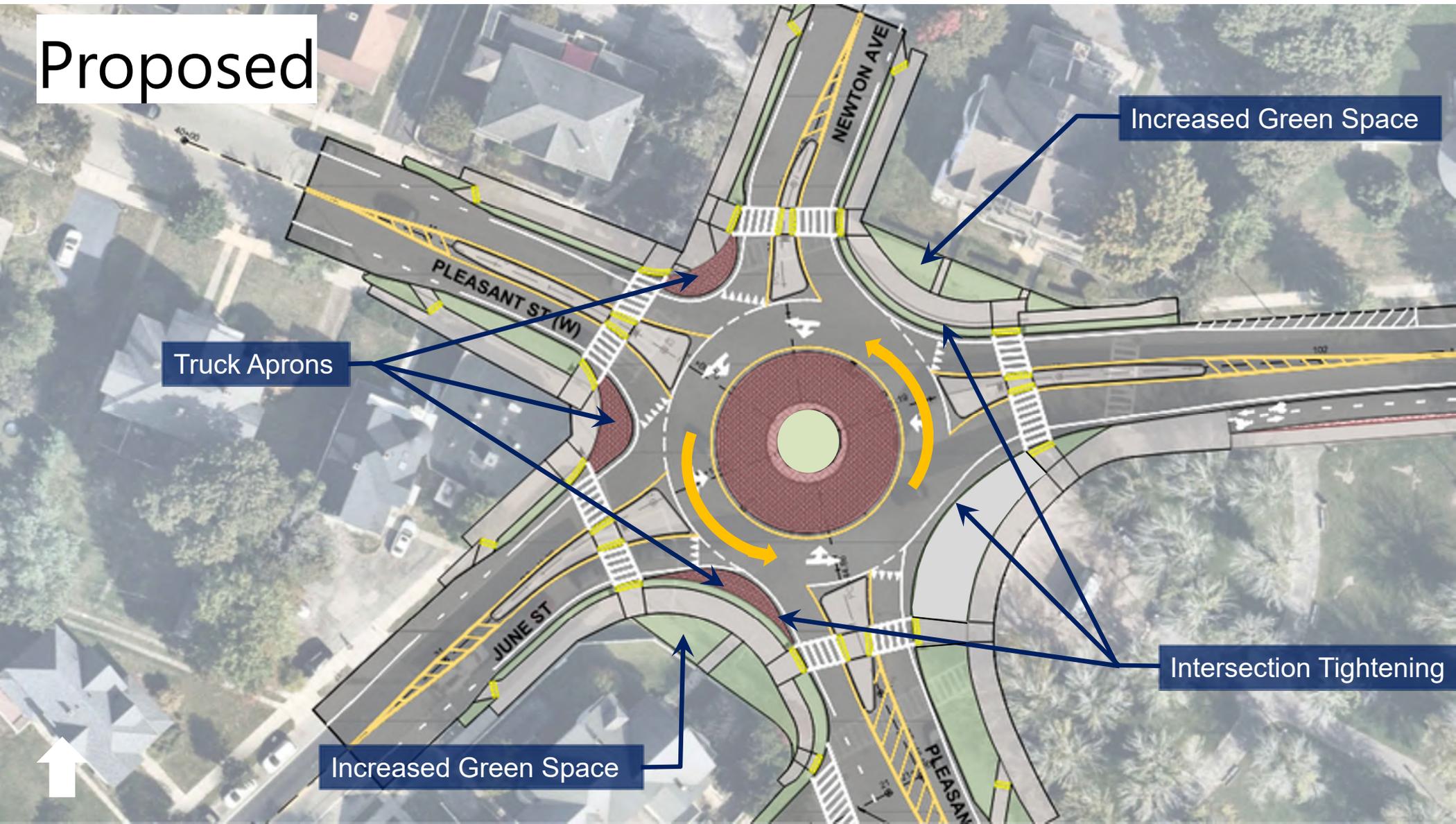


Landscaped  
Center Island

Truck Apron



# Proposed



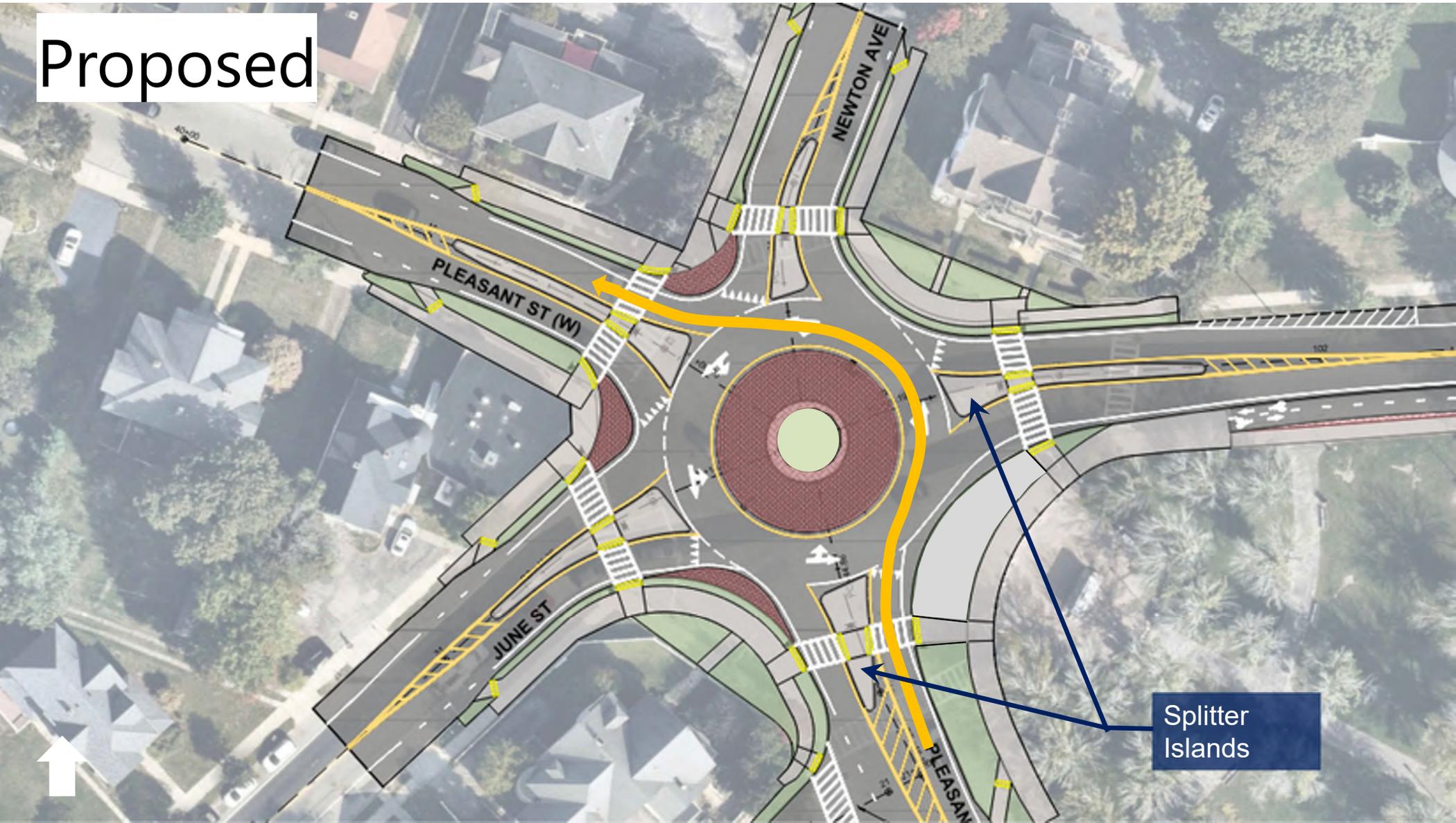
Truck Aprons

Increased Green Space

Increased Green Space

Intersection Tightening

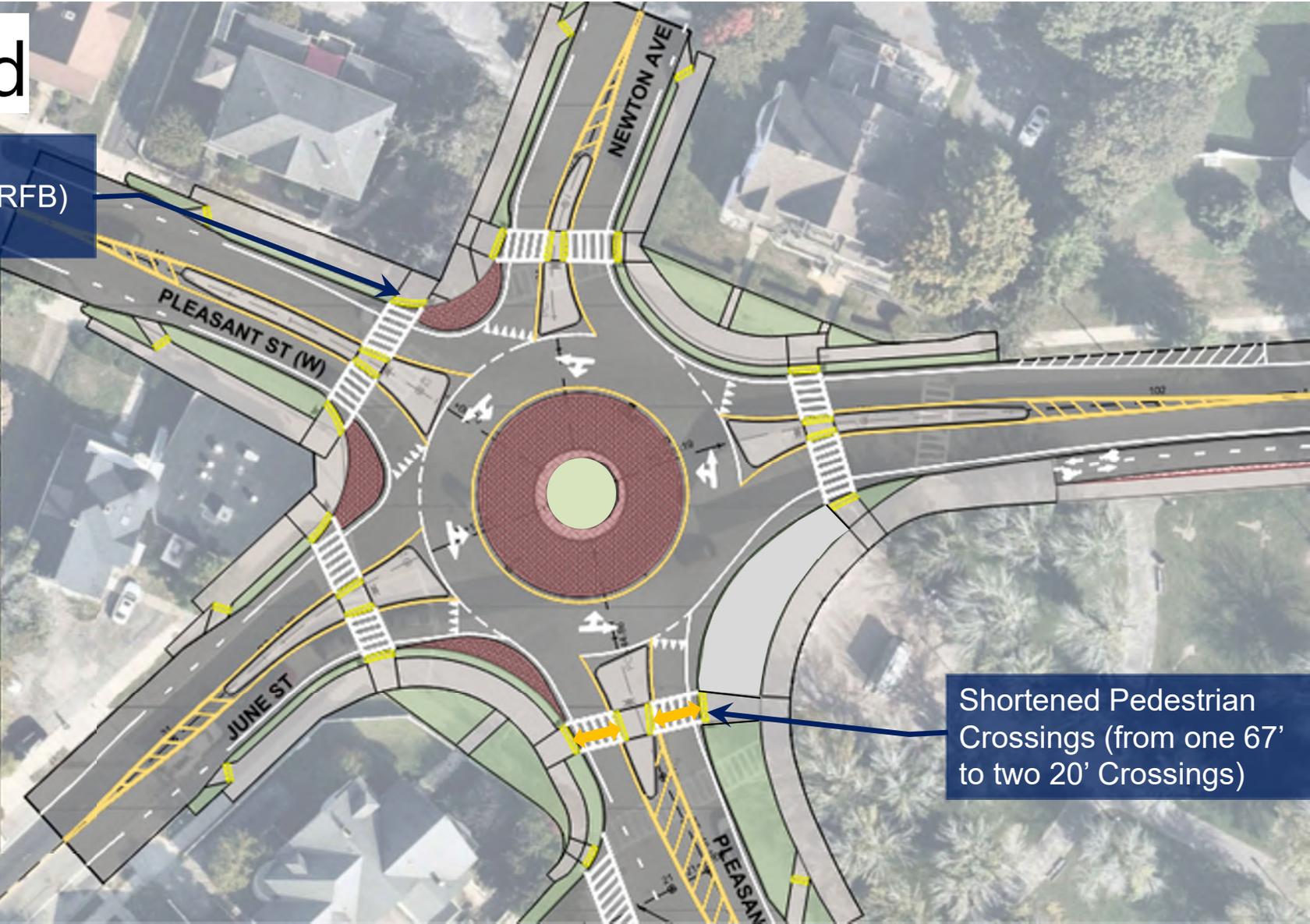
Proposed



Splitter Islands

# Proposed

Rectangular Rapid Flashing Beacon (RRFB) at each Crossing

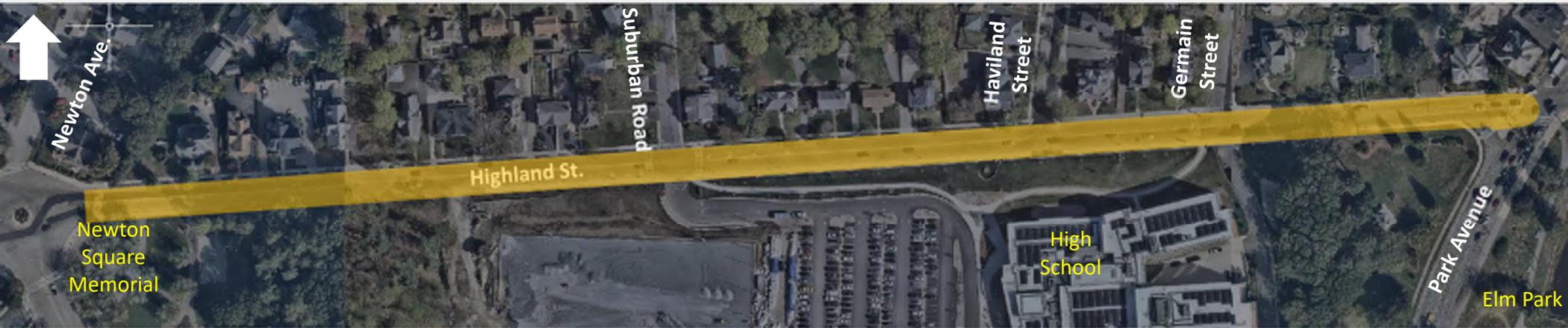


Shortened Pedestrian Crossings (from one 67' to two 20' Crossings)

# Highland Street

(from Newton Square to Park Avenue)

# Existing Conditions



# Existing Conditions



Sidewalk with Grass Strip

Sidewalk without Grass Strip



Newton Ave.

Suburban Road

Haviland Street

Germain Street

Highland St.

Newton Sq. Memorial

High School

Park Avenue

Elm Park

# Existing Conditions



Open Pavement  
(Parking Allowed)

Lack of Bicycle  
Accommodations or  
Bicycle Protection

Open Pavement  
(Parking Allowed)



Newton  
Ave.

Suburban  
Road

Haviland  
Street

Germain  
Street

Highland St.

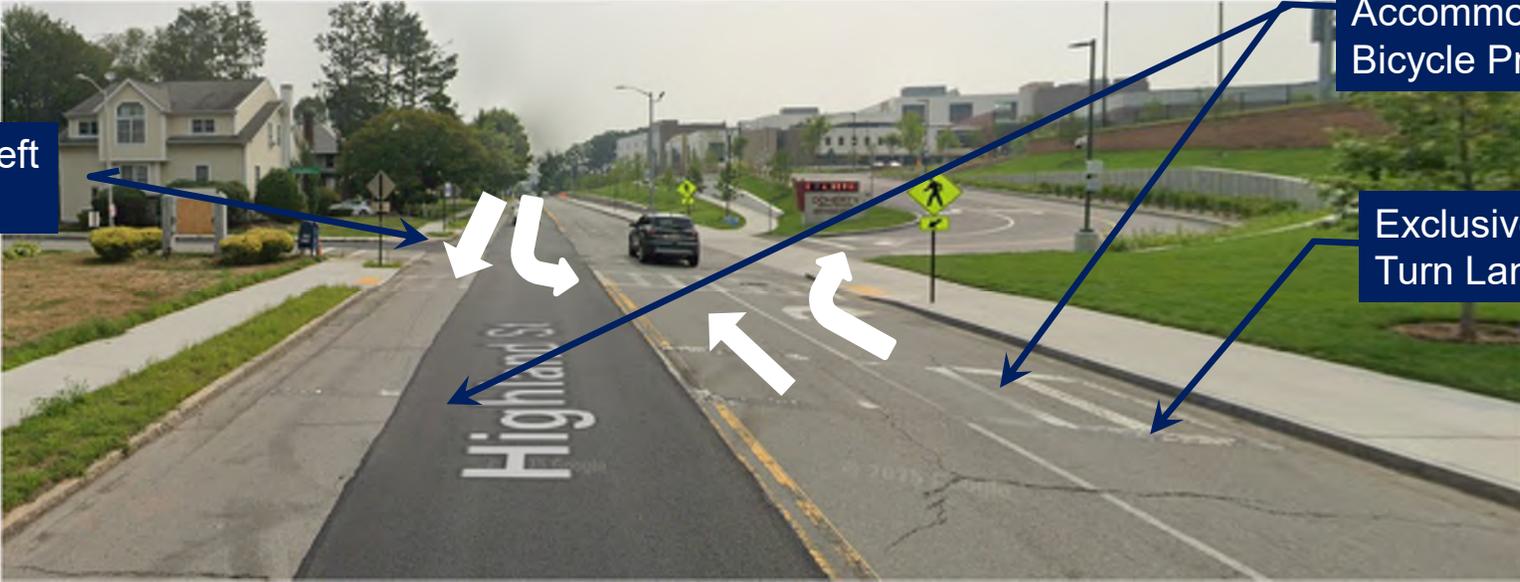
Newton Sq.  
Memorial

High  
School

Park Avenue

Elm  
Park

# Existing Conditions



Exclusive Left Turn Lane

Lack of Bicycle Accommodations or Bicycle Protection

Exclusive Right Turn Lane



Newton Ave.

Suburban Road  
Highland St.

Haviland Street

Germain Street

Park Avenue

Newton Sq. Memorial

High School

Elm Park

# Existing Conditions



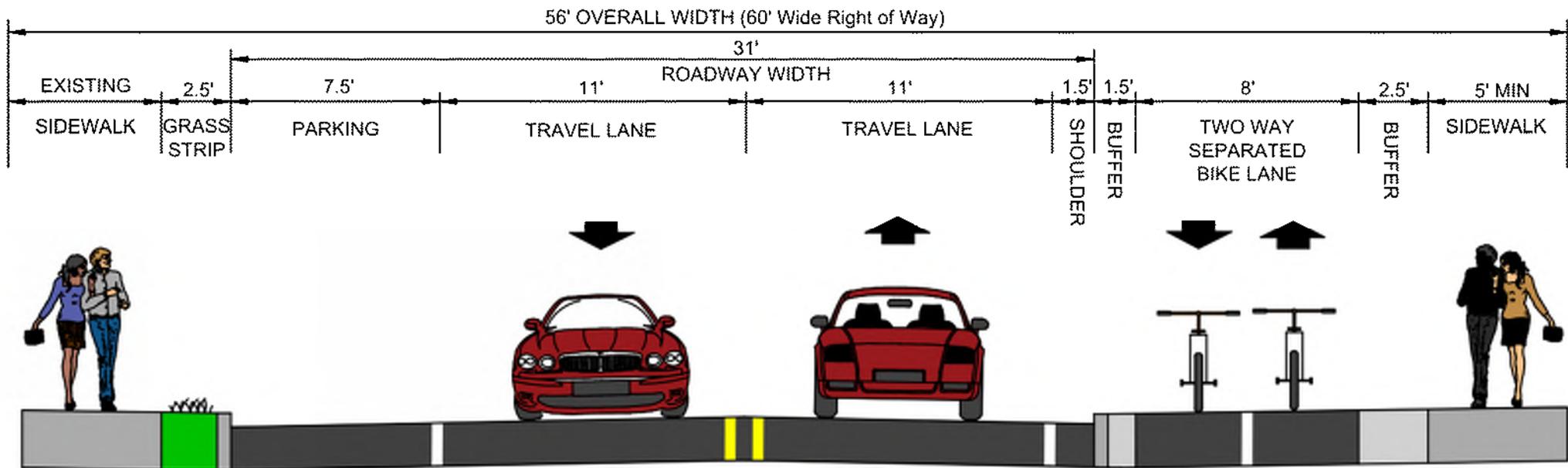
Long Pedestrian Crossing Distance

Lack of Bicycle Accommodations or Bicycle Protection

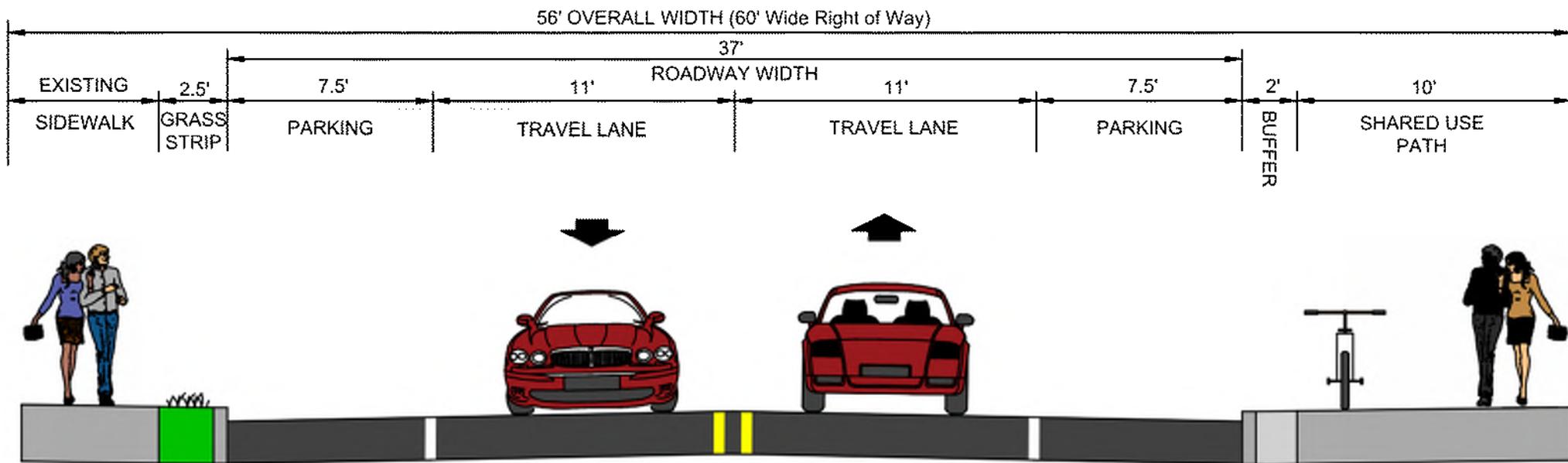
Less than ideal RRFB location due to former alignment



# Alternative 1: Separated Bike Lane



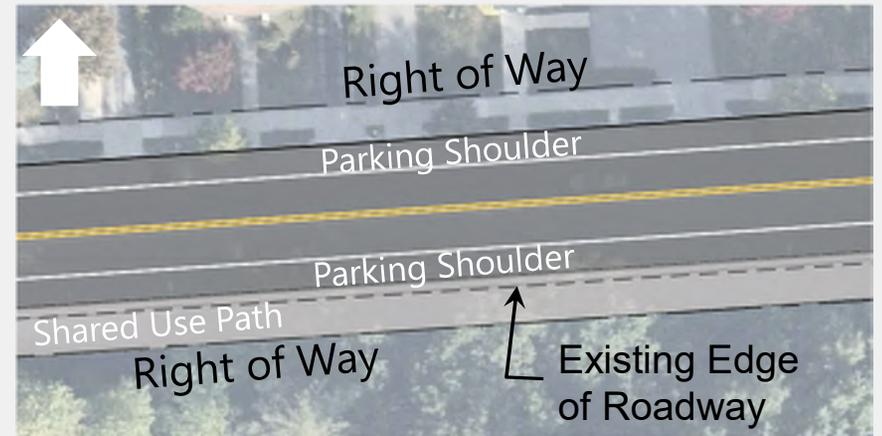
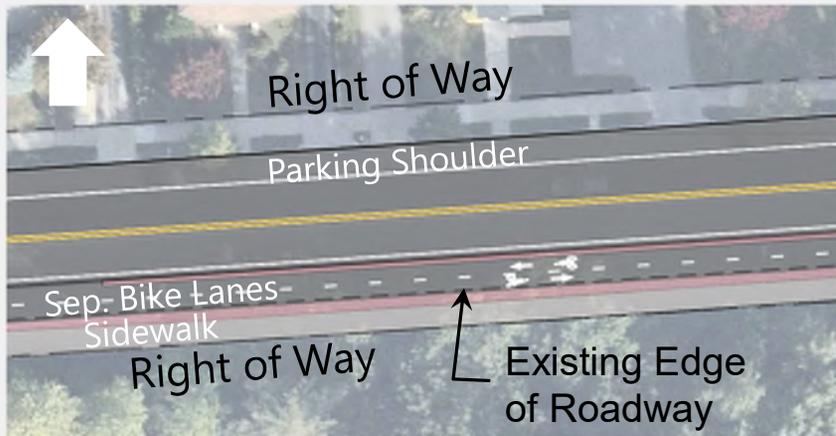
# Alternative 2: Shared Use Lane



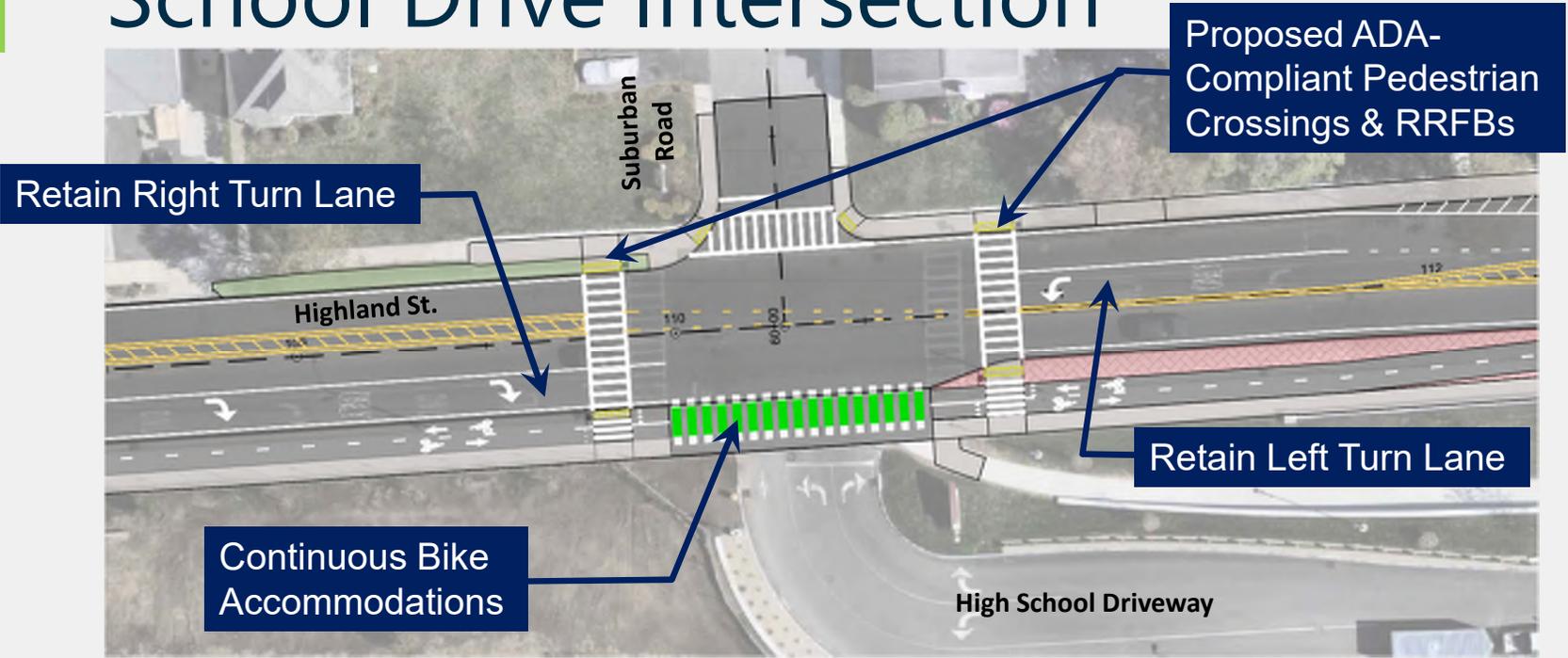
# Alternative Comparison

Alternative 1: Separated Bike Lane

Alternative 2: Shared Use Path



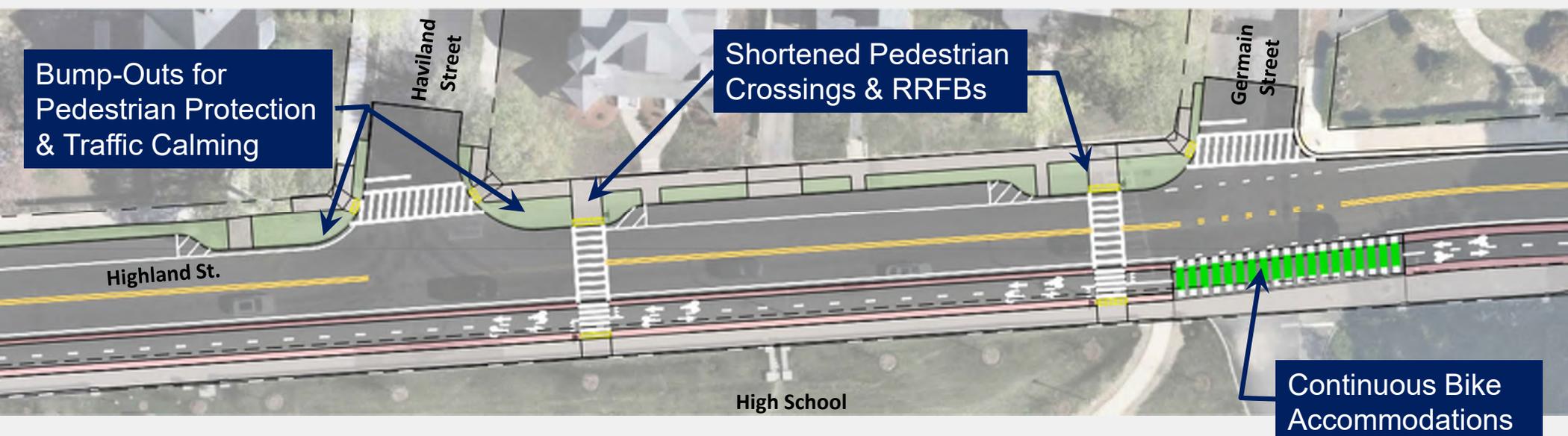
# School Drive Intersection



RRFB:



# Haviland Street & Germain Street

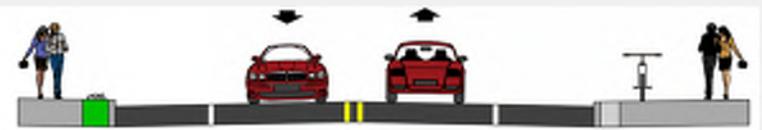


# Alternative Comparison

**Alternative 1:**  
Separated Bike Lane



**Alternative 2:**  
Shared Use Path



	Alternative 1: Separated Bike Lane	Alternative 2: Shared Use Path
Comfortable Pedestrian Accommodations	Yes	Shared space with Bicyclists
Comfortable Bicycle Accommodations	Yes	Shared space with Pedestrians
Parking & On-Street Drop Off/Pick Up	North Side Only	Yes
Shorter Pedestrian Crossings	Yes	Yes
Maintain Motor Vehicle Access	Yes (maintain single travel lanes and turn lanes into main school driveway)	Yes (maintain single travel lanes and turn lanes into main school driveway)



# Q&A and Feedback on Options

