

# Connecticut Department of Transportation



## Public Informational Meeting Project Number 82-316

*Reconfiguration of the Route 17 On-Ramp onto  
Route 9 North*

*City of Middletown*

*Date: 07/26/2016*

# CT DOT Representatives

**Timothy Wilson, P.E.**

Manager of Highway Design

**William Britnell, P.E.**

Transportation Principal Engineer

**Matthew Vail, P.E.**

Project Manager

**Erik Jarboe, P.E.**

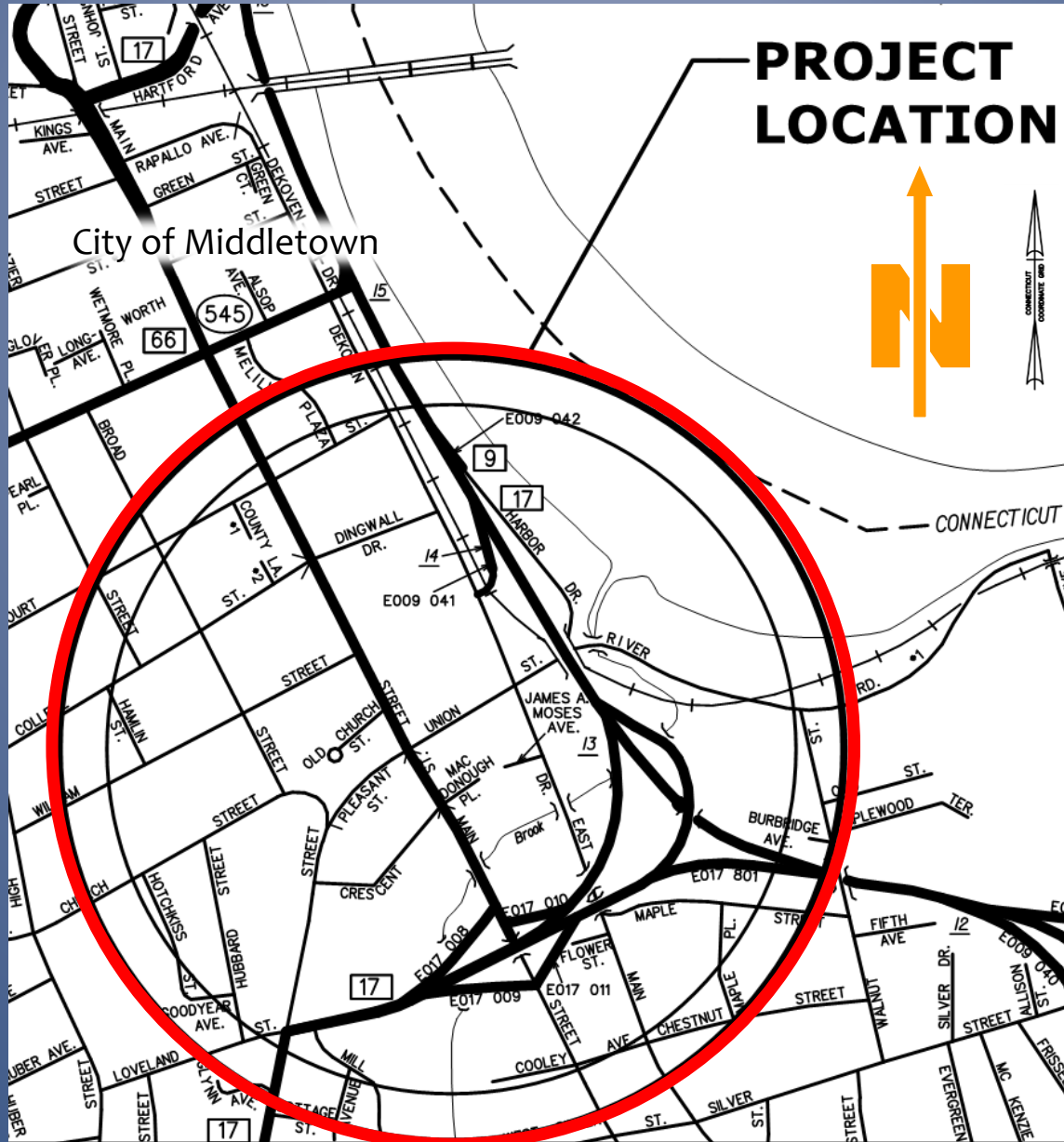
Project Engineer

**Manny Pires**

Project Designer



# LOCATION



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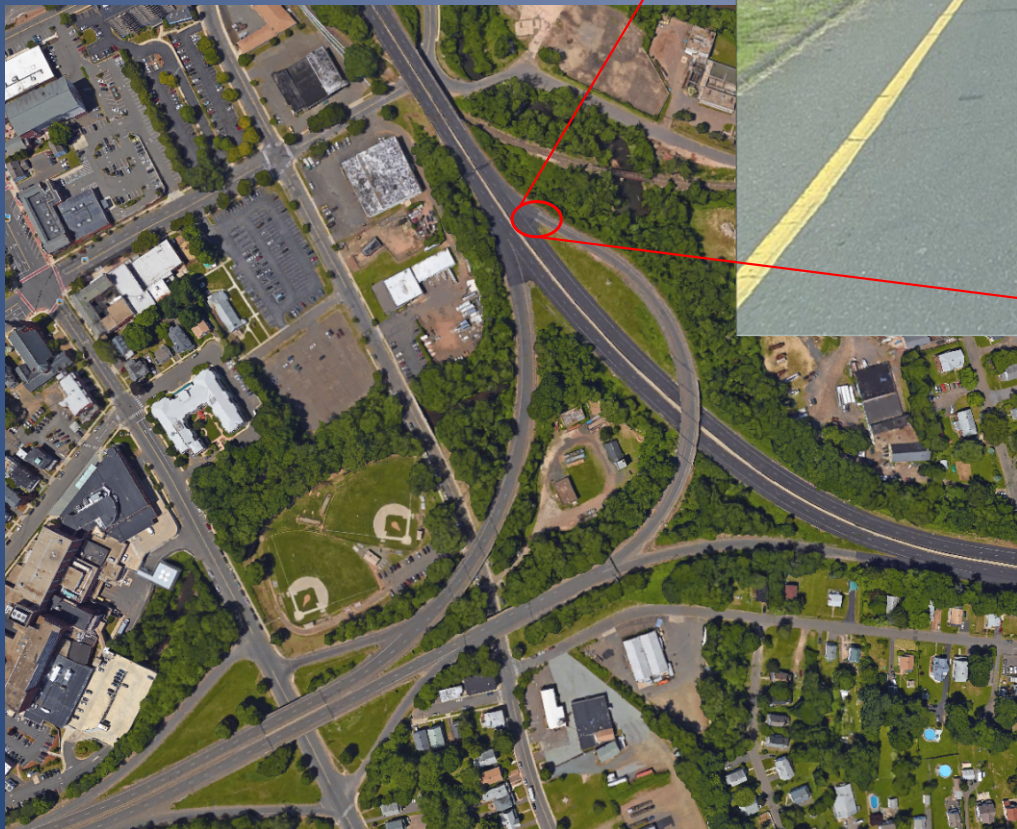
# PURPOSE

*To address the safety concerns at the Route 17 on-ramp onto Route 9 north.*

# PROBLEM(S)

- The existing roadway geometry and traffic condition do not meet driver's expectancy
- Classified as No. 2 on the Department's 2012 Suggested List of Surveillance Study Site (SLOSSS) – i.e. the 2<sup>nd</sup> highest frequency crash locations within the State
- 334 crashes reported at the site including 71 injuries, where rear-end accounted for 95% (from 2012 -2014)

# PROBLEM



View when approaching  
stop sign



# PROBLEM



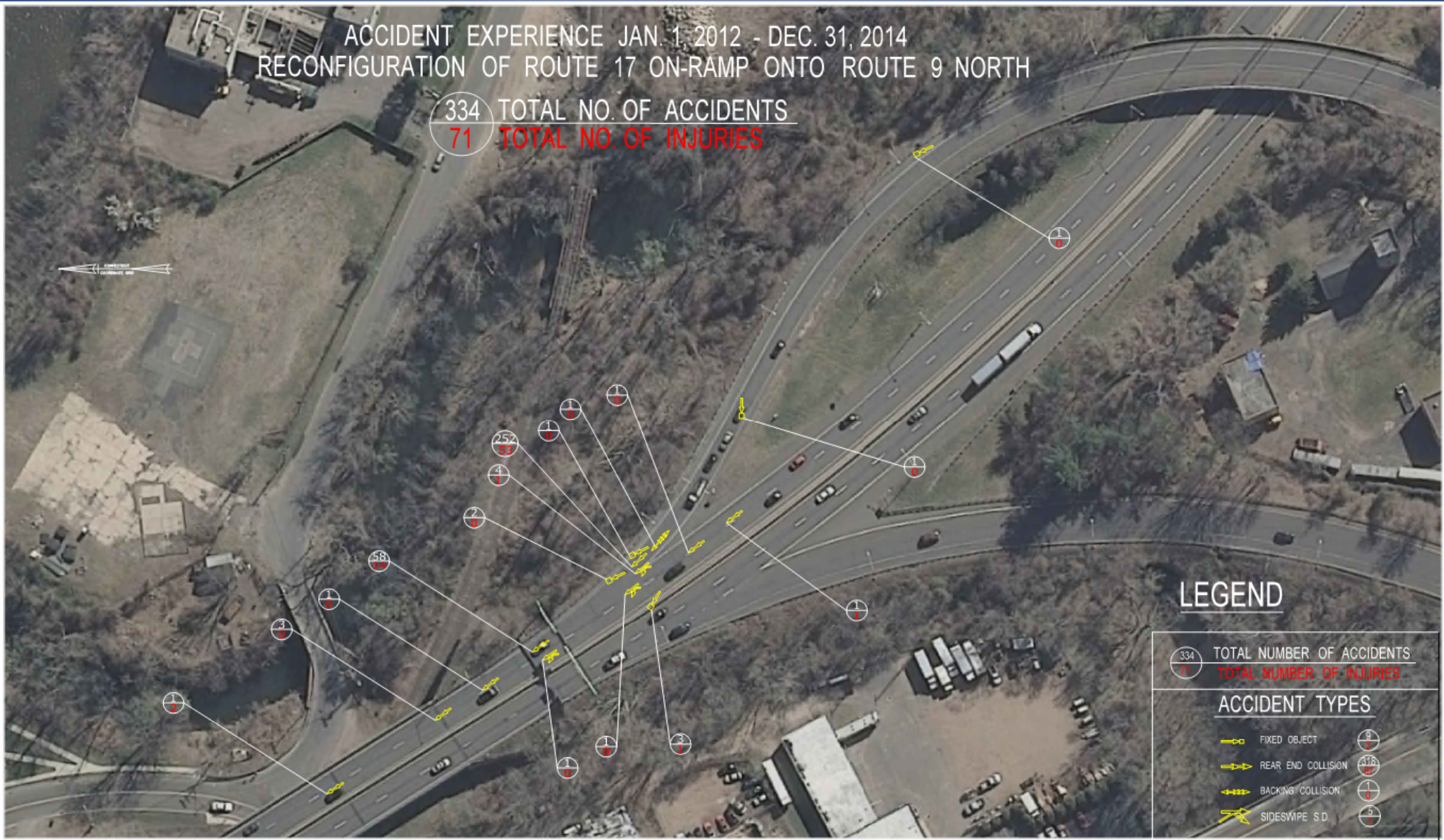
View of sightline when stopped at stop sign



# CRASH EXPERIENCE

ACCIDENT EXPERIENCE JAN. 1, 2012 - DEC. 31, 2014  
 RECONFIGURATION OF ROUTE 17 ON-RAMP ONTO ROUTE 9 NORTH

334 TOTAL NO. OF ACCIDENTS  
 71 TOTAL NO. OF INJURIES





# CRASH EXPERIENCE





# CRASH EXPERIENCE



- Total of 334 Accidents from Jan. 2012 to Dec. 2014 (3 year period).
- 95% of these accidents were rear-end crashes.
- This ramp has been classified as number two on the Department's statewide list of high frequency crash locations.

# SCOPE OF PROPOSED WORK

- Remove stop sign & improve the on-ramp's geometry
- Provide an adequate length of acceleration lane (widening/new bridge)
- Relocation of intersection of Union Street, Harbor Drive, and River Road
- Close the existing on-ramp onto Route 9 from Harbor Drive
- Intersections Improvements on Main Street:
  - ❖ Replacement of the existing intersections at Route 17 and Main Street/Extension interchange with a teardrop type roundabout
  - ❖ Widening of the Route 17 north off-ramp onto Main Street Ext.
  - ❖ Installation of a traffic signal at the intersection of Main Street Extension and Cooley Ave.
  - ❖ Milling and paving of a section of Main Street and Main Street Extension (from Crescent Street to Cooley Ave.)
  - ❖ Construction of new sidewalks and sidewalk ramps

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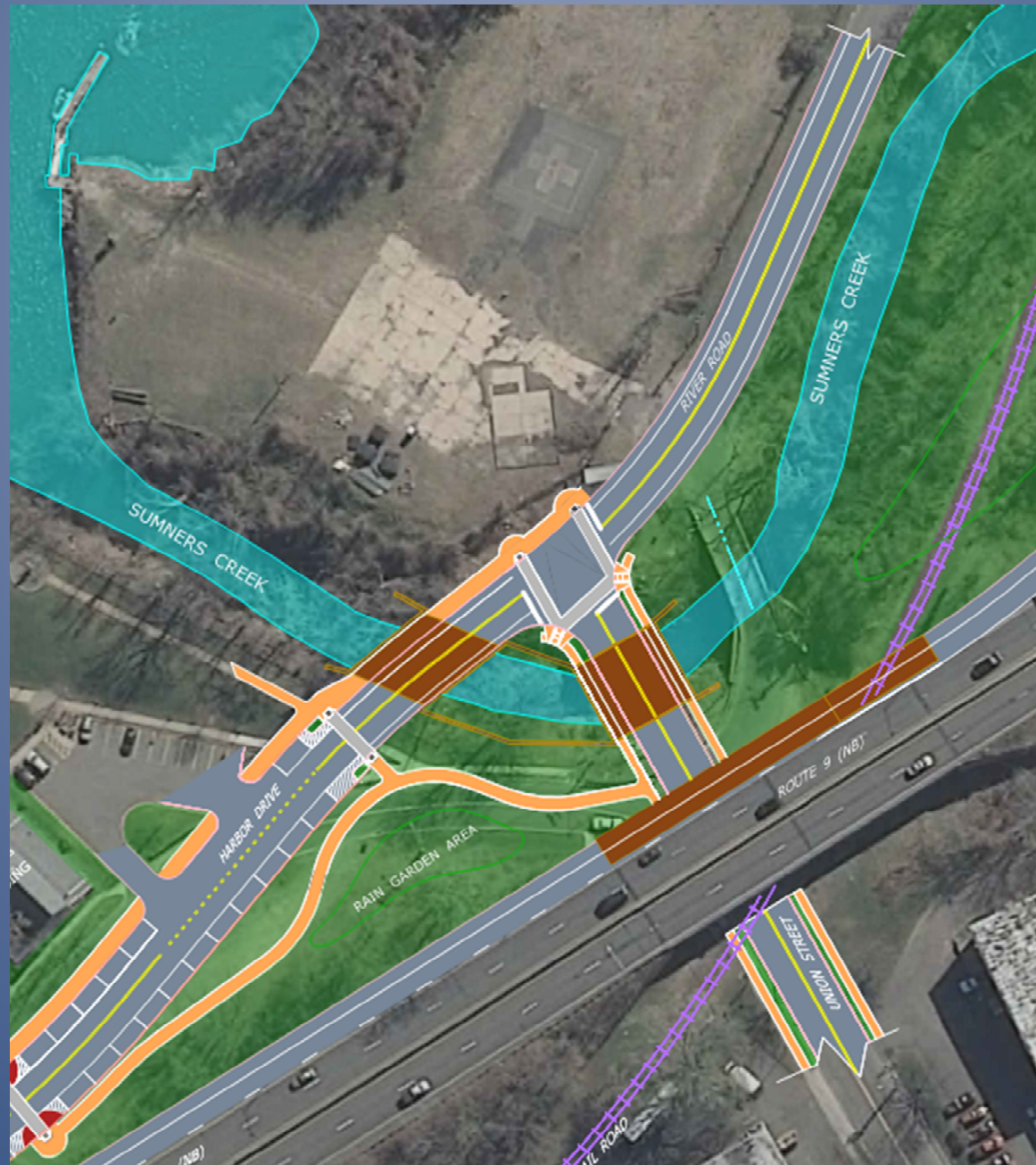




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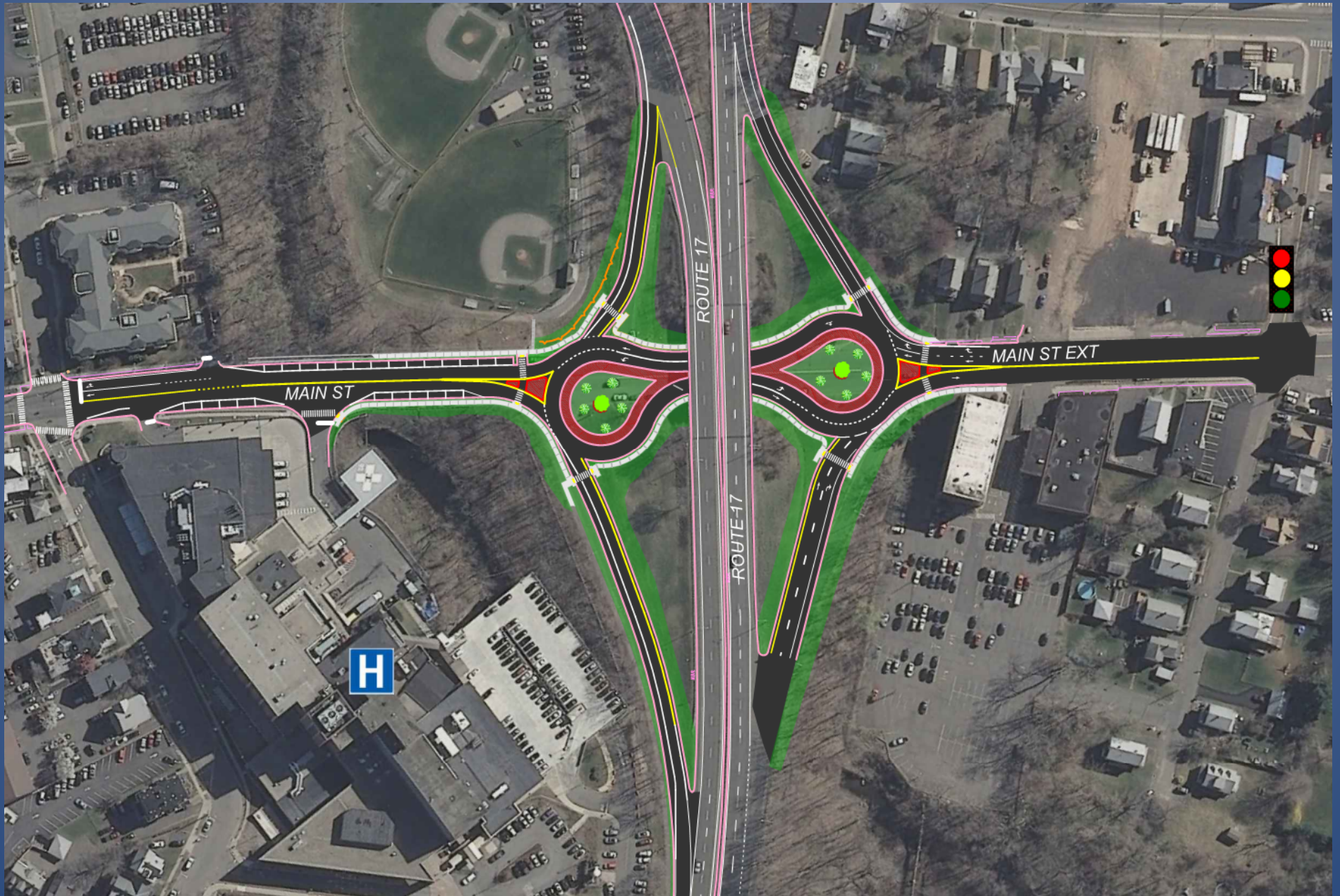


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# PROPOSED IMPROVEMENTS





# OVERALL PLAN OF WORK





# CONSTRUCTION CONSIDERATIONS

## Property Impacts

- Majority of work within State Right of Way
- Acquisitions required along Riverfront Property
- Minor impacts at Route 17 and Main Street Extension

## Maintaining Traffic

- Possible detours
- Alternating one-way traffic
- Access to private properties and businesses maintained at all times

# CONSTRUCTION CONSIDERATIONS

## Current Schedule

Design Completion  
Construction

December 2018  
Spring of 2019

## Project Cost

Estimated Construction Cost: \$35,000,000.00

## Funding

20% State  
80% Federal