



# Welcome!

Shrewsbury Route 20 Safety & Operations  
Improvements Master Plan  
Shrewsbury, MA

**Public Information Meeting**  
**Shrewsbury, MA**  
**March 5, 2019 | 7:00 PM**

# Introduction

- MassDOT District 3
  - Barry Lorion
  - Joe Frawley
  - Erin Kinahan
- 
- Howard Stein Hudson – MassDOT's Design Consultant
  - Bob Stathopoulos
  - Paul Nelson

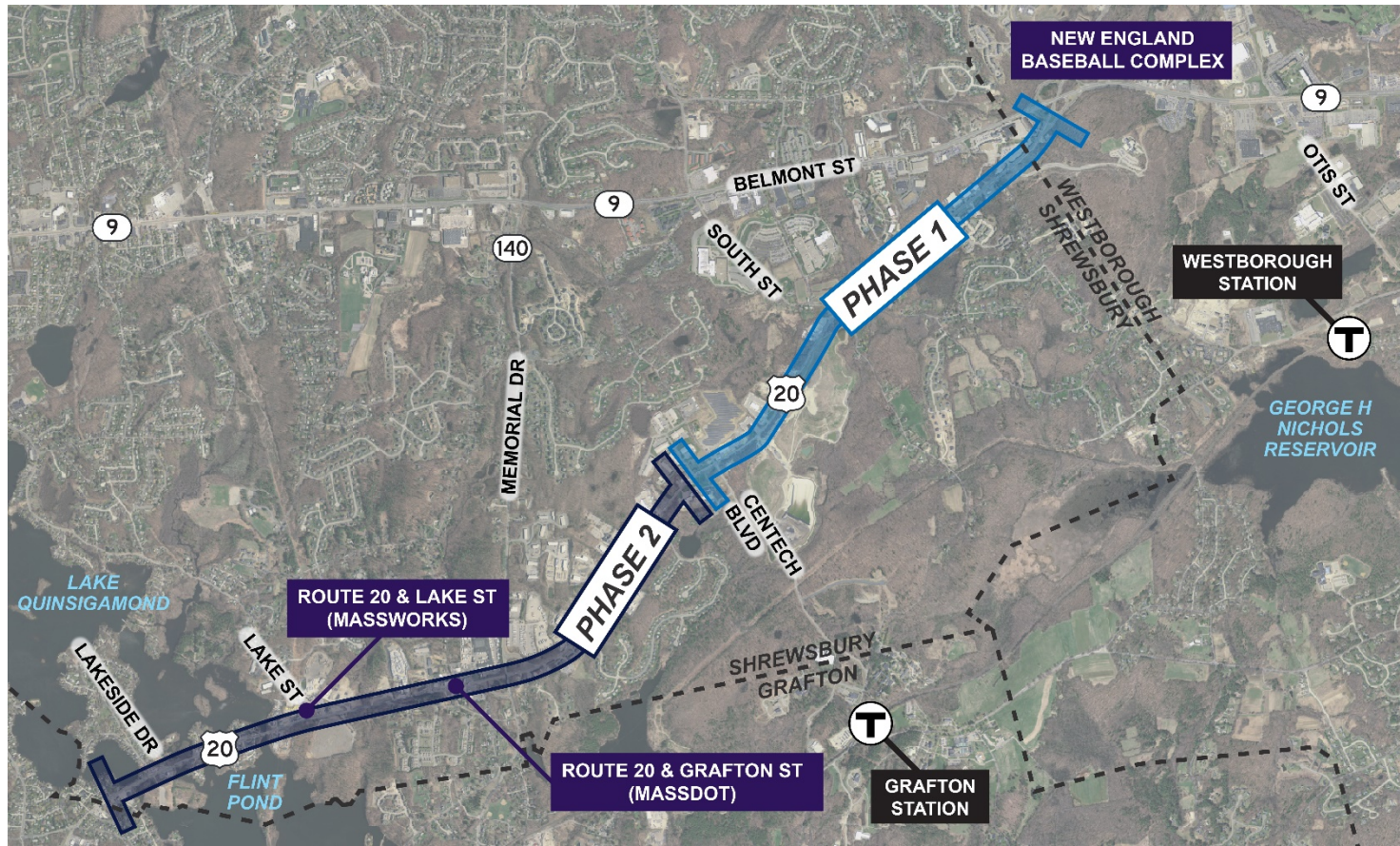
# Tonight's Meeting

- Overview of the Master Plan
- Review of existing conditions in the study area
- Review of safety deficiencies
- Proposed Master Plan
  - Addition of Through and Turn Lanes
  - Signal Infrastructure Work
  - Pedestrian and Bicycle Accommodations
- Next steps

# Route 20 Master Plan History

- **Original request to study eastern section from Northborough Crossing to Centech Boulevard**
- **Extended to full corridor due to scale of local development and plans for sewer extension**
- **Ongoing coordination with Town staff to review progress and discuss improvement concepts**
- **Master Plan Phase 1 Presentation to Board of Selectmen – January 2019**
- **Public Meeting to show Master Plan and receive comments**

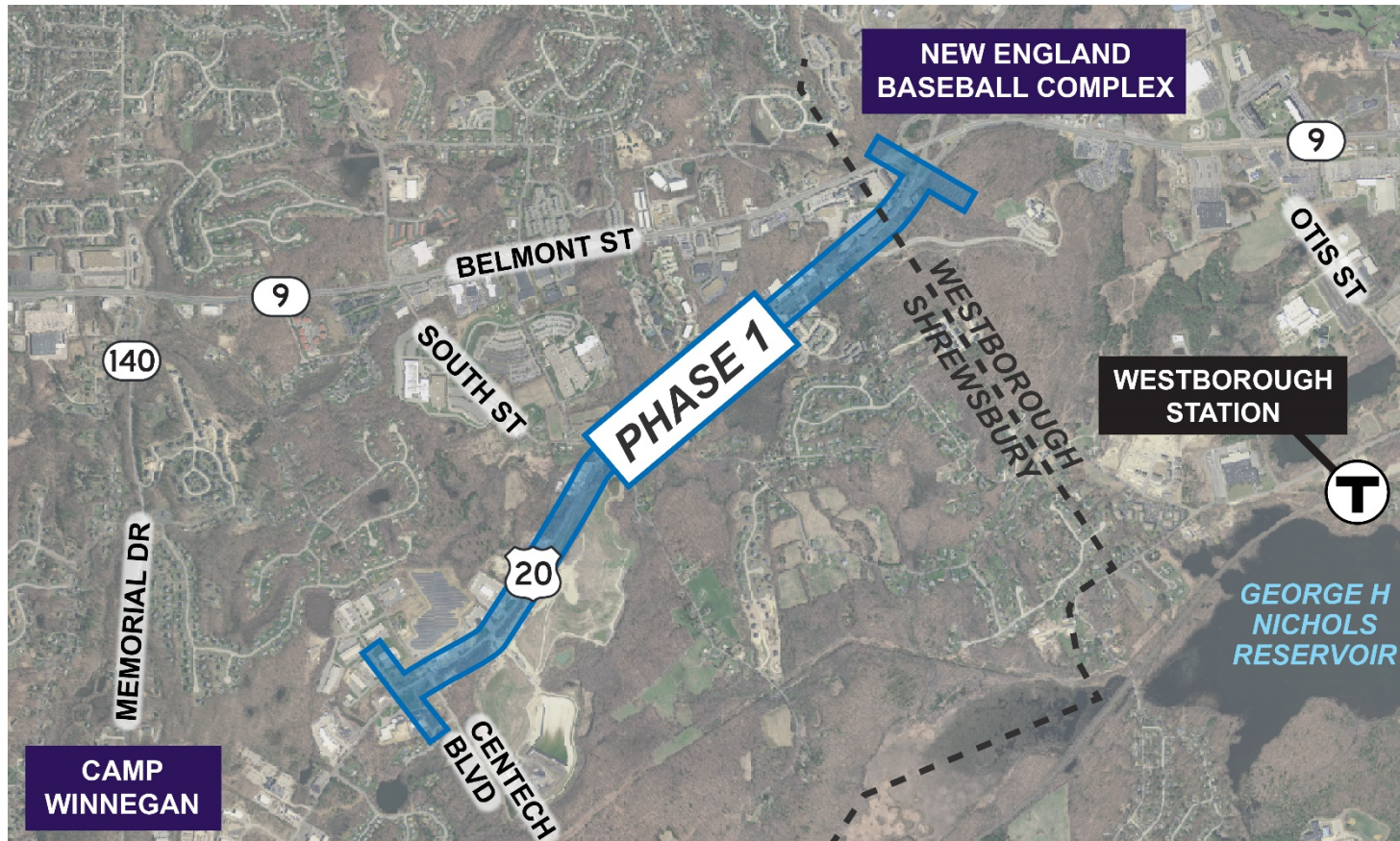
# Master Plan Area - Full Study Area



**Shrewsbury, MA**

**Worcester City Line to Route 9/Route 20 Interchange**

# Master Plan Area – Tonight's Focus



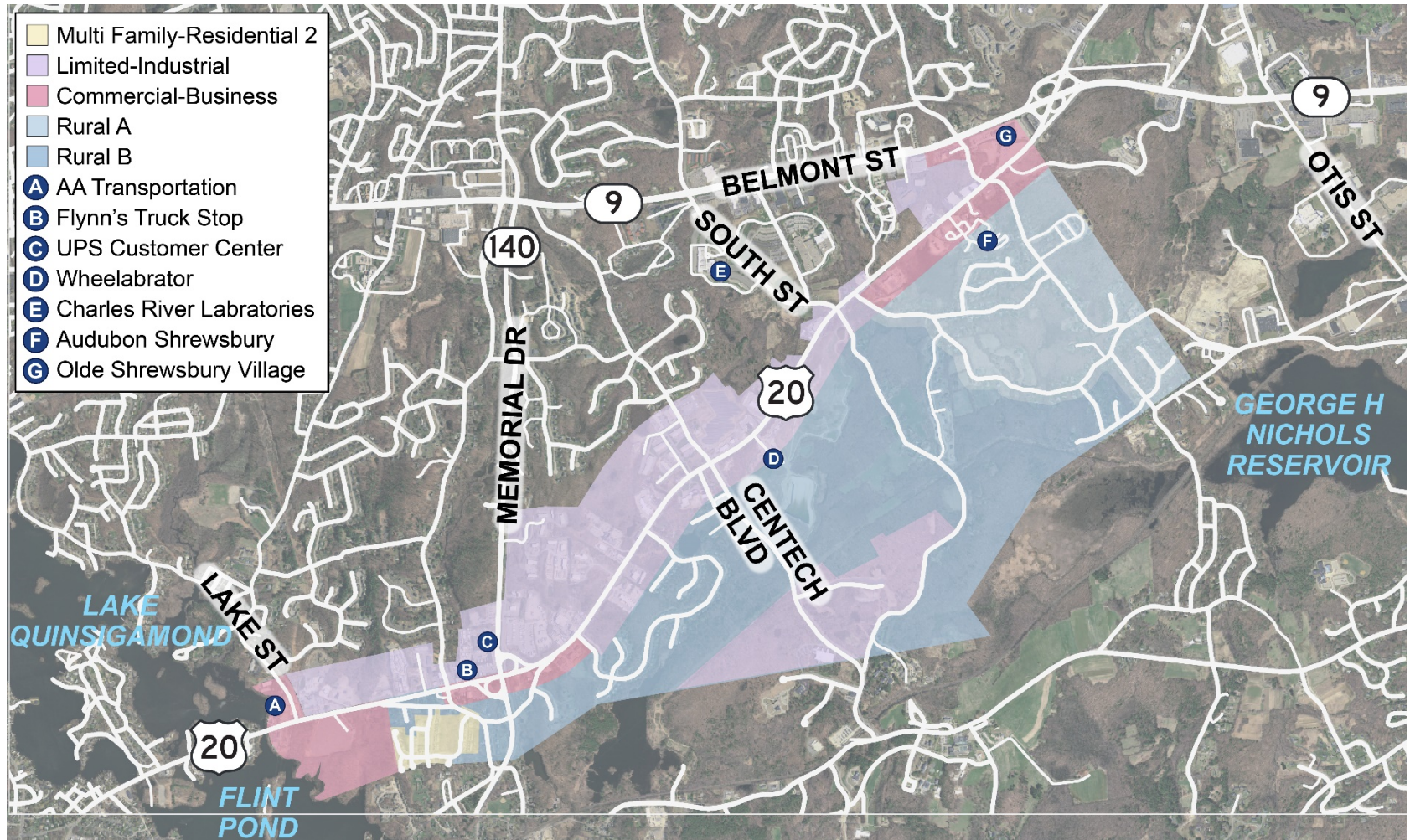
Shrewsbury, MA

Centech Boulevard to Route 9/Route 20 Interchange

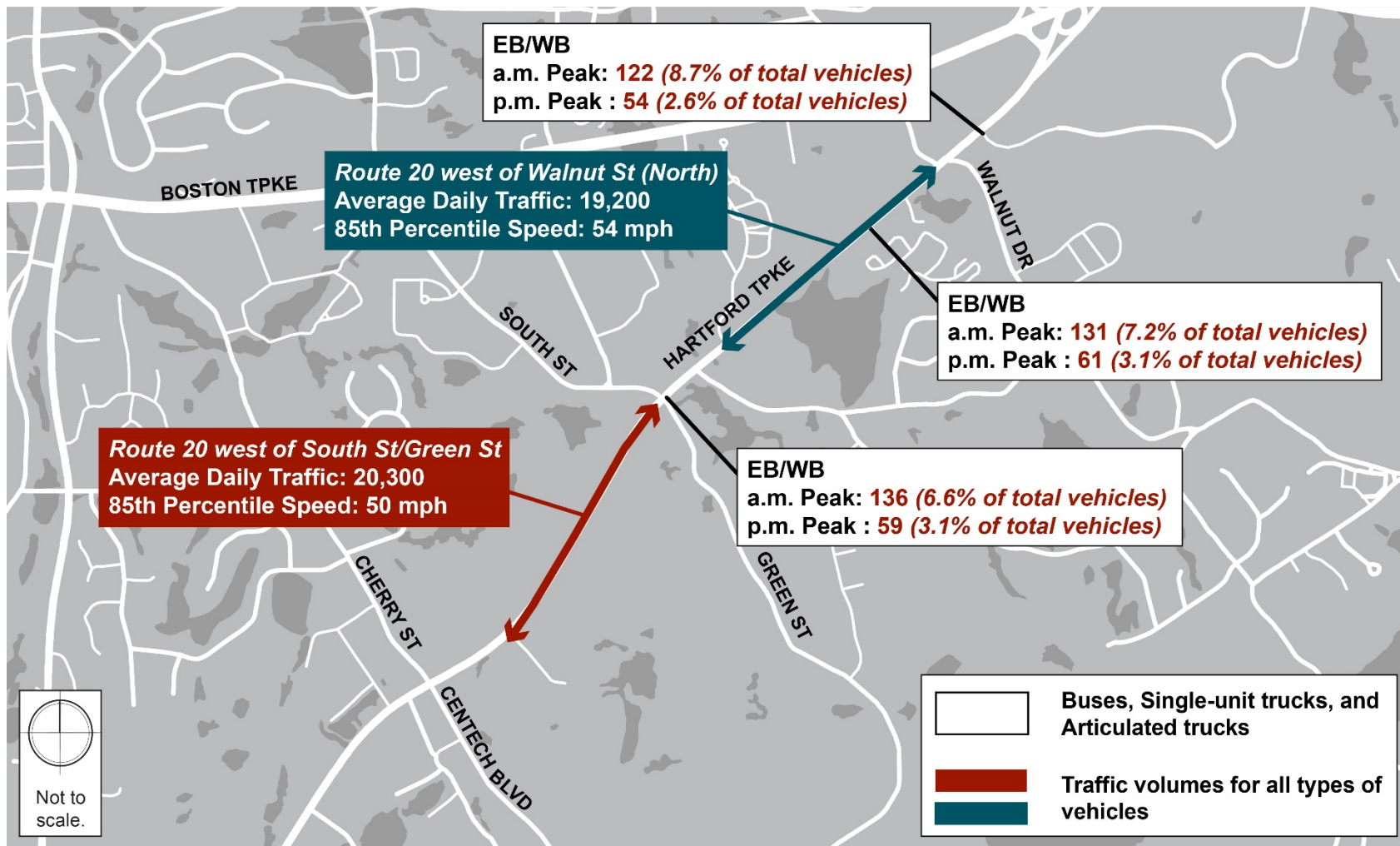
# Existing Issues – Phase 1

- **Intersection and corridor safety**
  - South Street
  - Walnut Street
  - Valente Drive
- **Capacity needed to support future traffic growth fueled by private development**
- **Existing congestion**
- **Lack of Travel Options**
  - 86% Drive alone to work

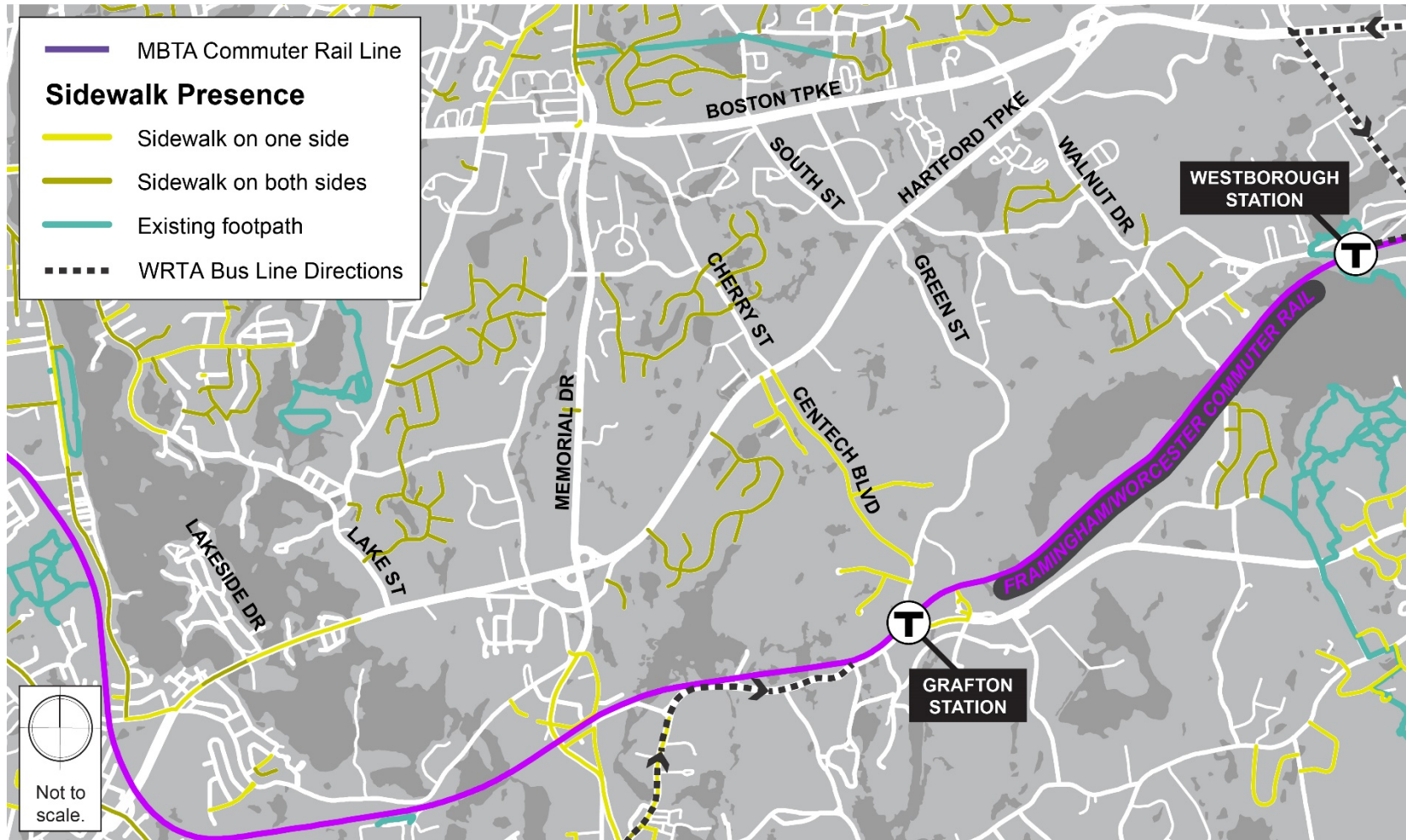
# Existing Conditions - Zoning



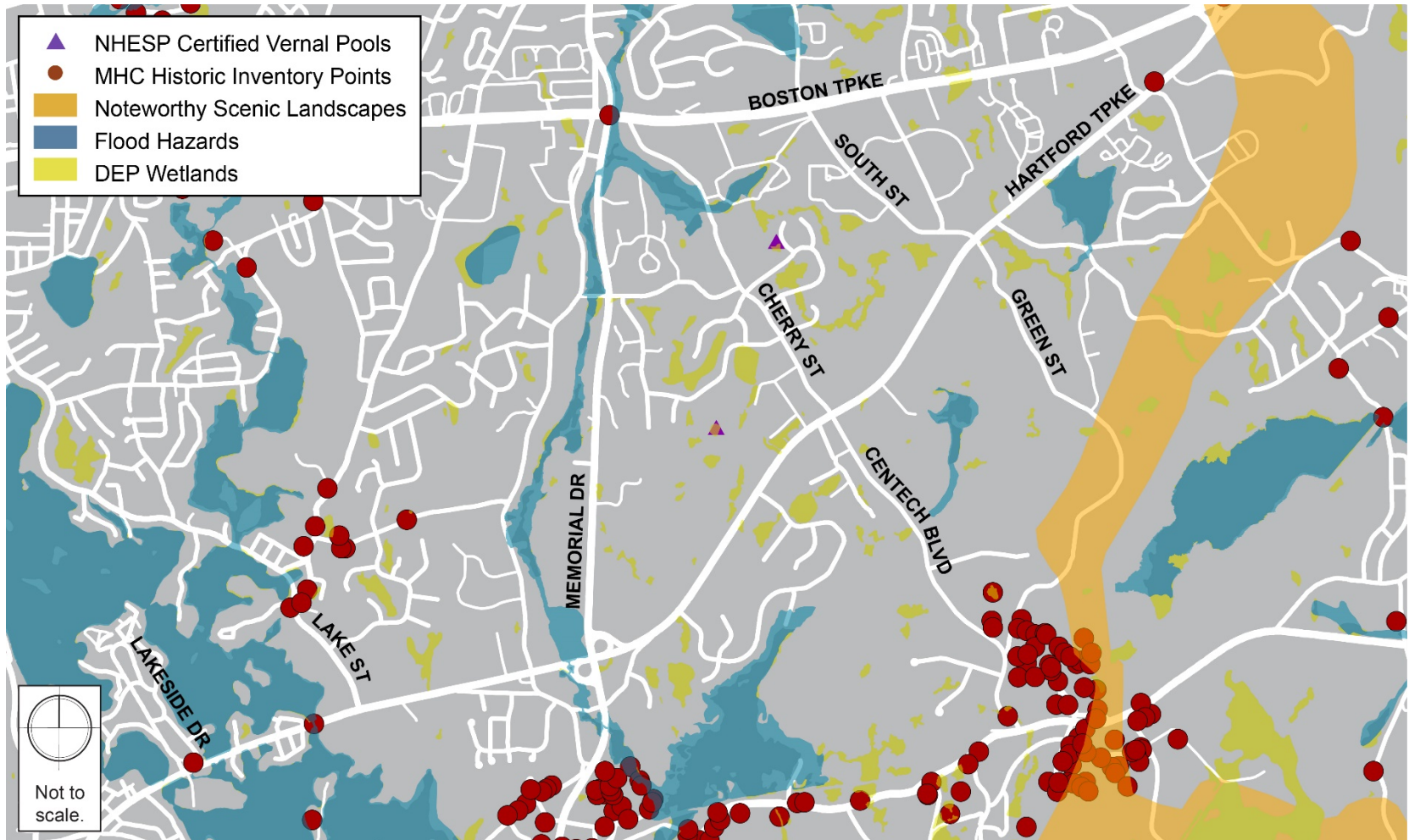
# Existing Conditions – Vehicles



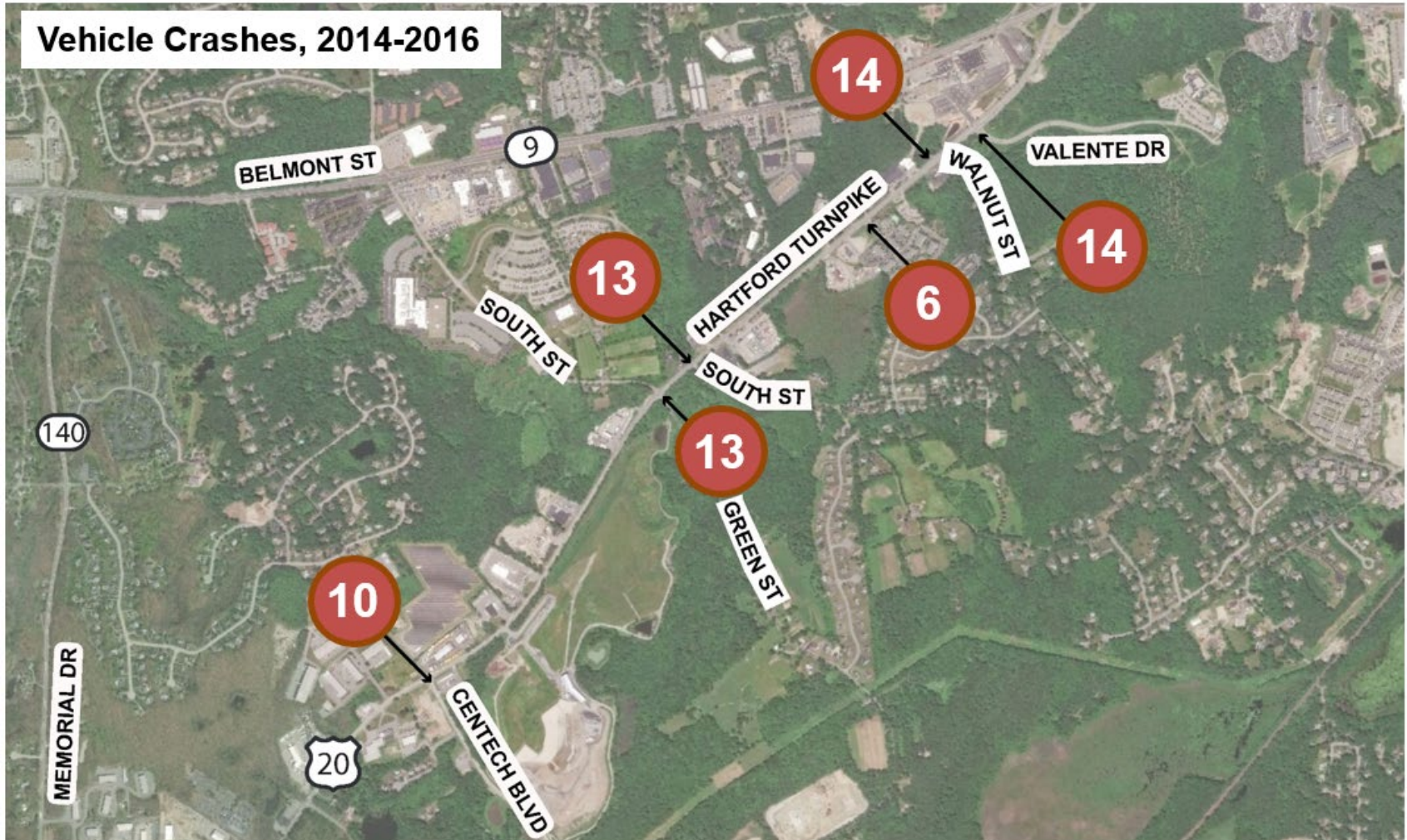
## Existing Conditions – Bike, Pedestrian, Transit



## Existing Conditions – Environmental Evaluation



# Existing Conditions – Crashes



# Crashes at Valente Drive

- 14 Total Crashes
- Non-Fatal Injury (21%)
- Angle Crashes (79%)
- 12 p.m. – 2 p.m. (43%)

## Angle crashes related to:

- High speeds
- Insufficient gaps
- Crossing multiple lanes
- Making restricted movements (Valente Dr lefts out prohibited)



# Crashes at Walnut Street

- High crash location
- 19 Total Crashes
- Non-Fatal Injury (21%)
- Angle Crashes (58%)
- 4 p.m. – 6 p.m. (42%)

## Angle crashes related to:

- High speeds
- Insufficient gaps and sight distance
- Crossing multiple lanes
- Intersection Geometry

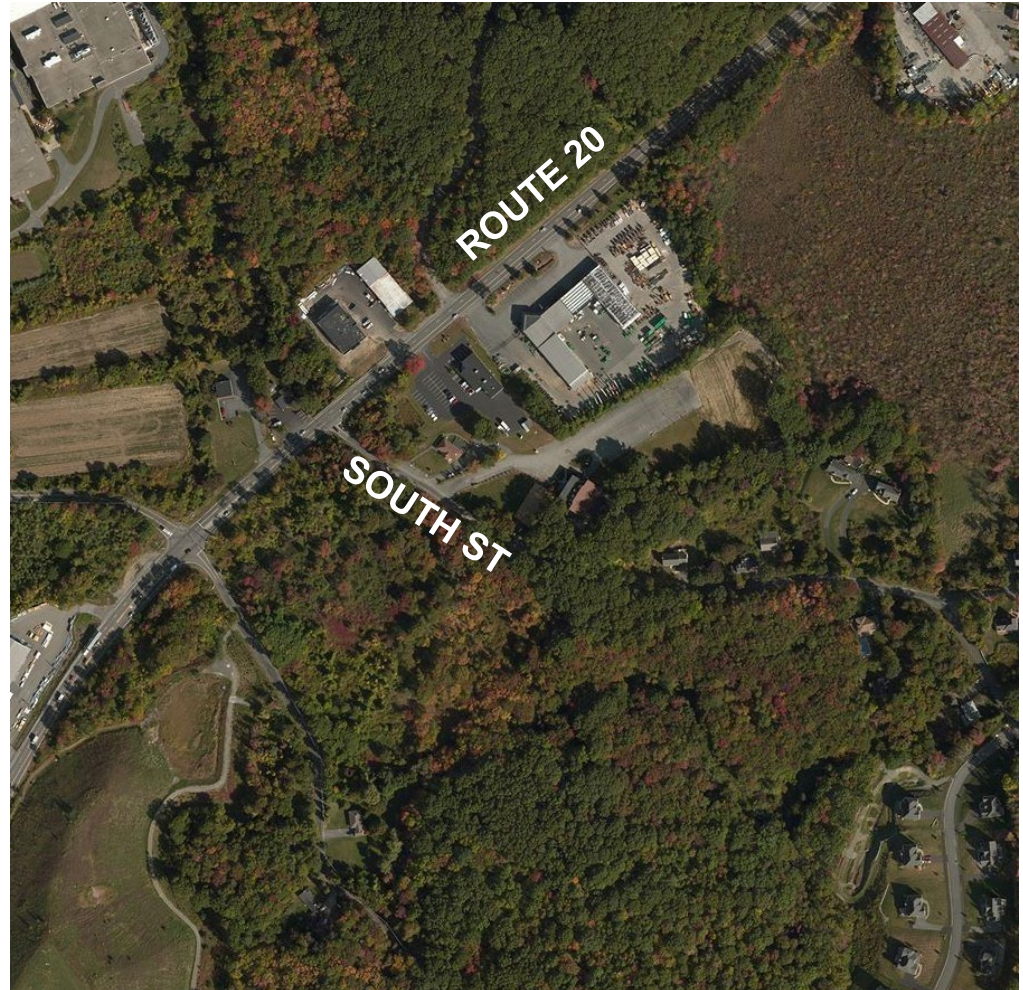


# Crashes at South Street

- 13 Total Crashes
- Non-Fatal Injury (23%)
- Angle Crashes (46%)
- 4 p.m. – 6 p.m. (31%)

## Angle crashes related to:

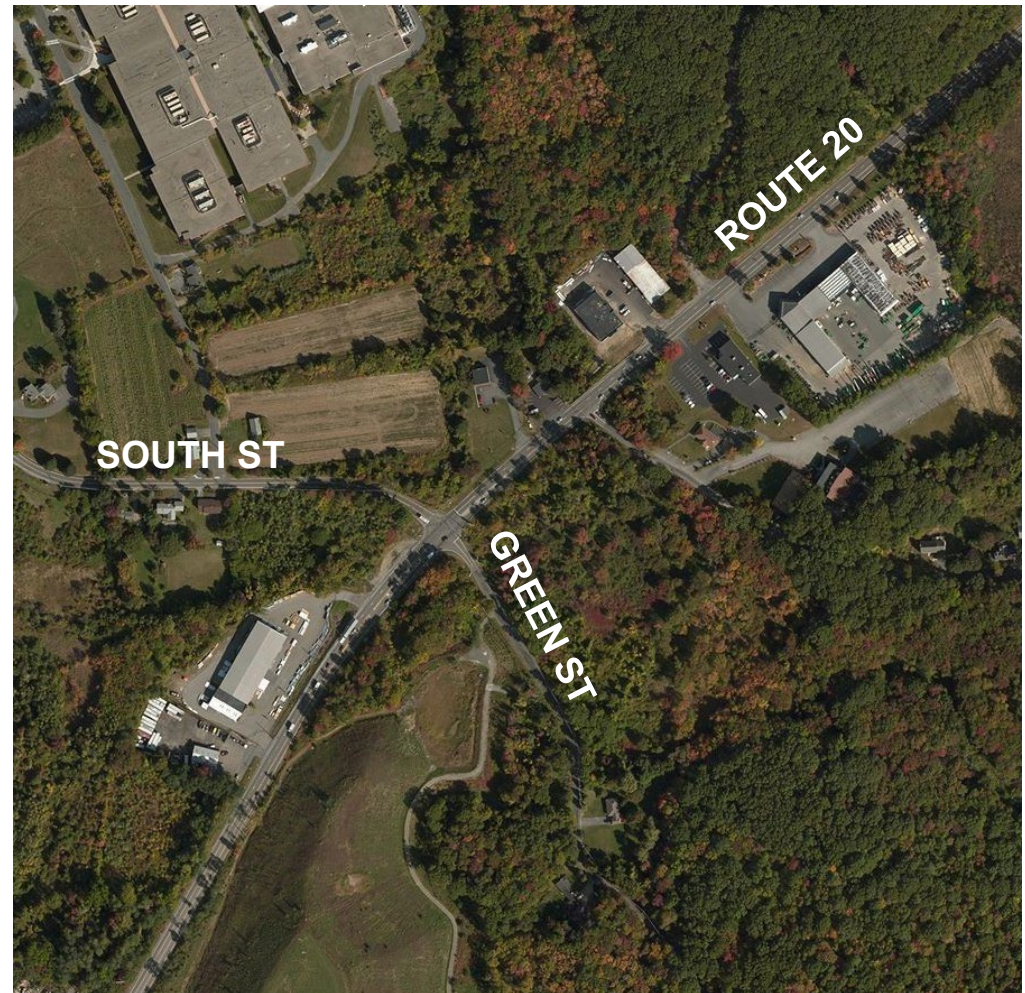
- High speeds
- Insufficient gaps and sight distance
- Crossing multiple lanes
- Roadway geometry



# Crashes at South Street/Green Street

- 13 Total Crashes
- Non-Fatal Injury (39%)
- Rear-End Crashes (39%)
- 7 a.m. – 9 p.m. (39%)

Rear end crashes related to high speeds or yellow light dilemma.



# Crashes at Cherry St/Centech Blvd

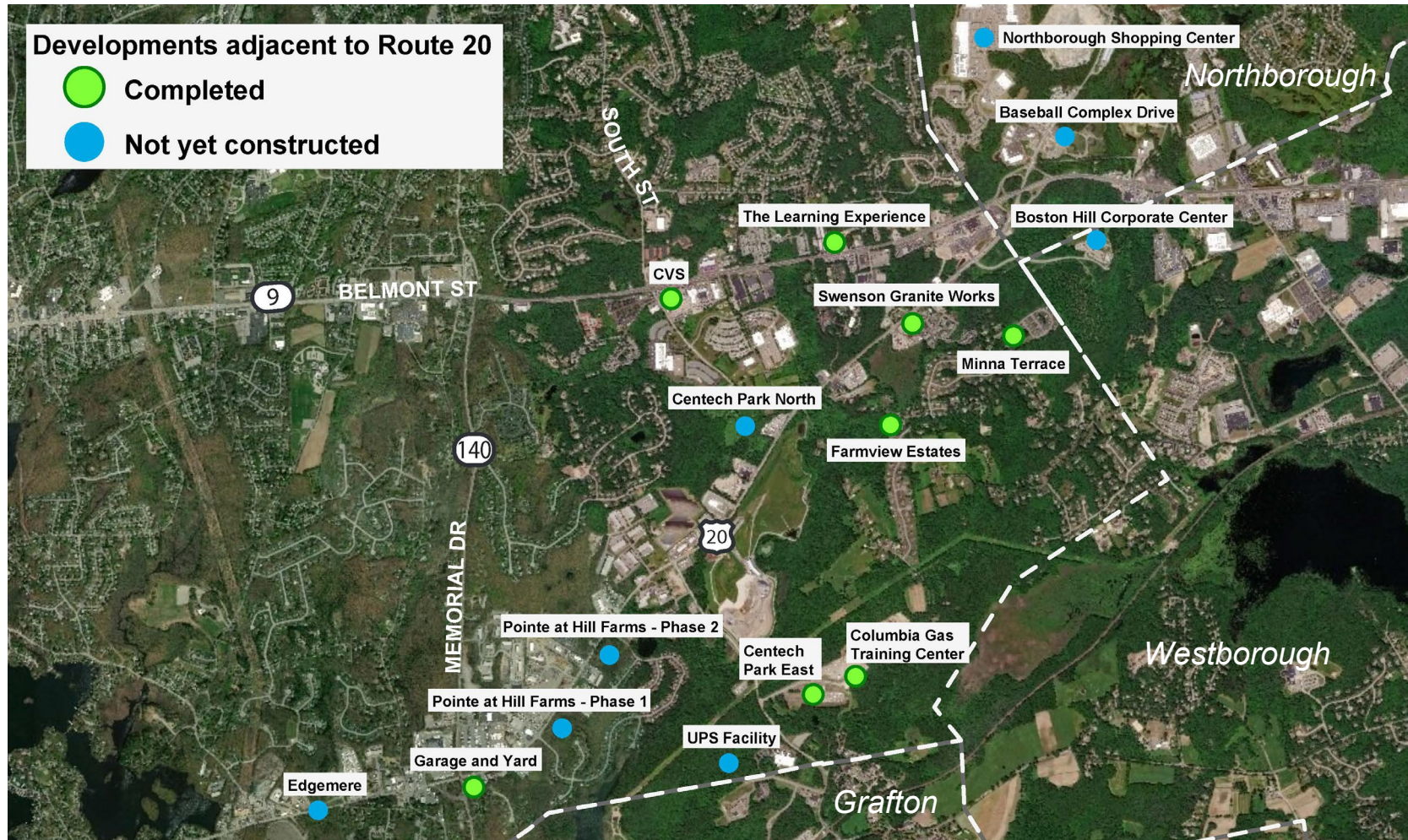
- 10 Total Crashes
- Non-Fatal Injury (30%)
- Angle Crashes (80%)
- 4 p.m. – 6 p.m. (50%)

Angle crashes related to:

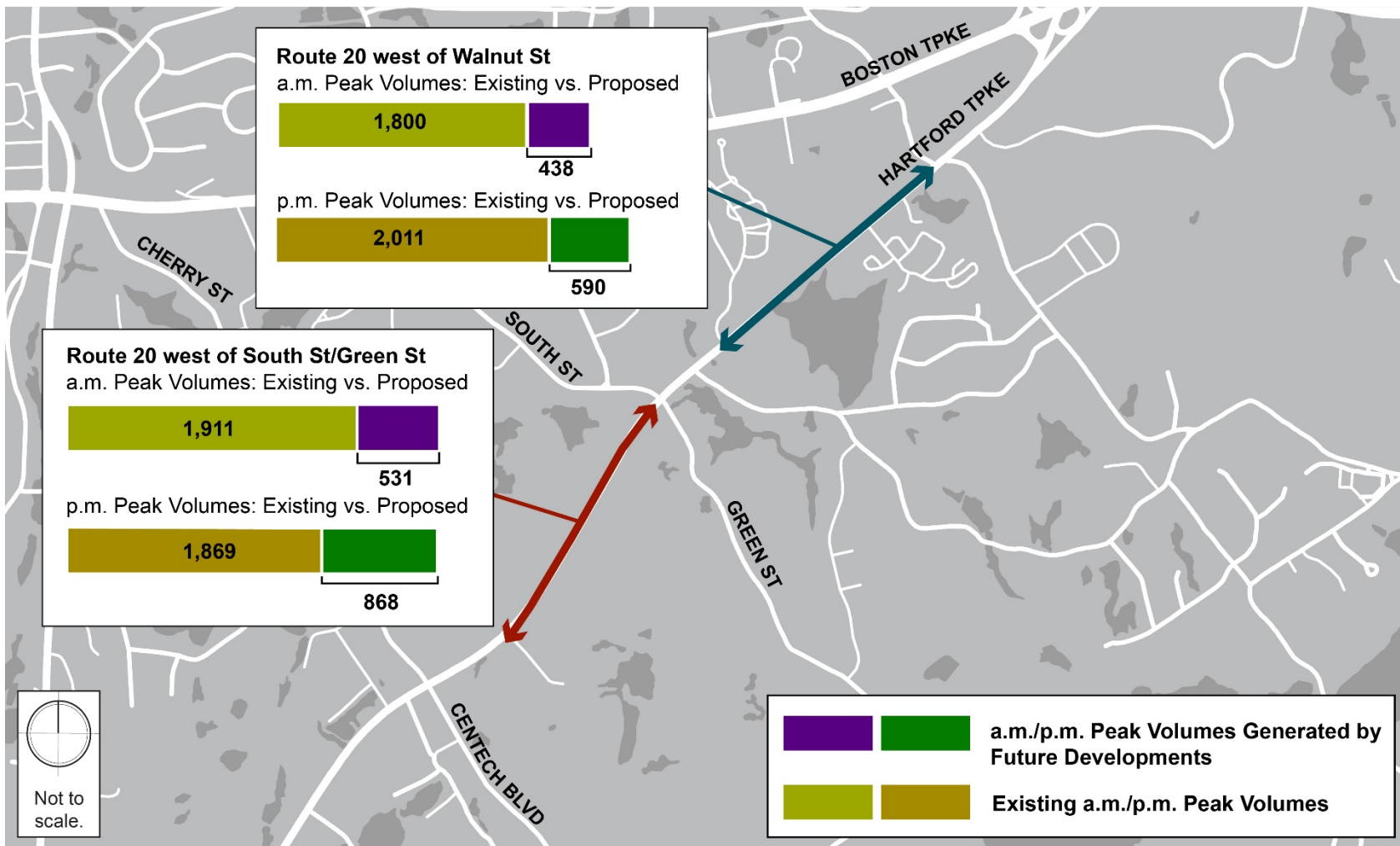
- High speeds
- Crossing multiple lanes



# Future Traffic Volumes



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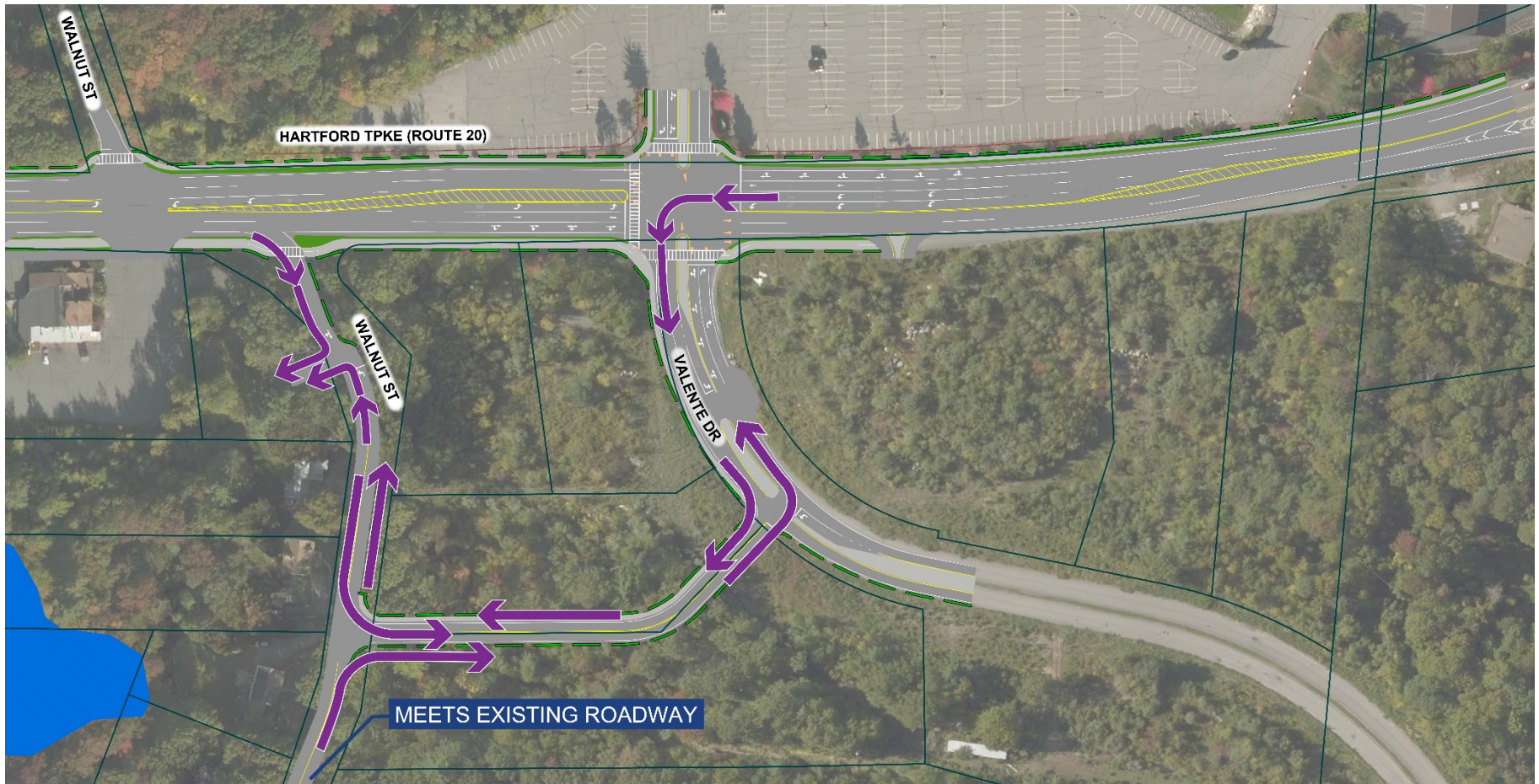
# Proposed Master Plan

- **Two travel lanes in each direction on Route 20**
- **Traffic signal improvements**
- **Additional turning lanes at existing signalized intersections**
- **Pedestrian and Bicyclist Facilities**
  - **Shared Use Path and Sidewalk on Route 20**
- **Safety improvements at deficient locations**

# Proposed Conditions



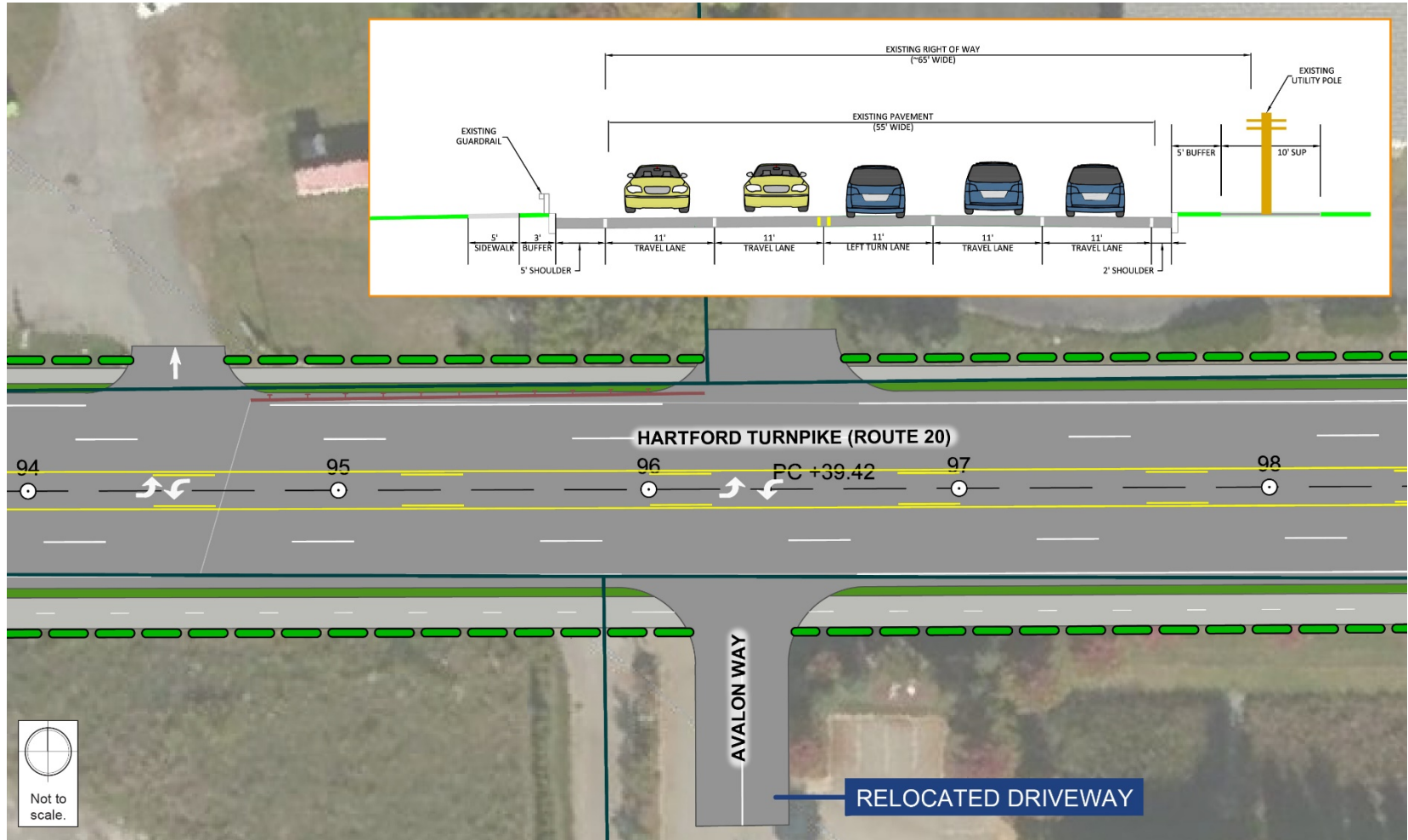
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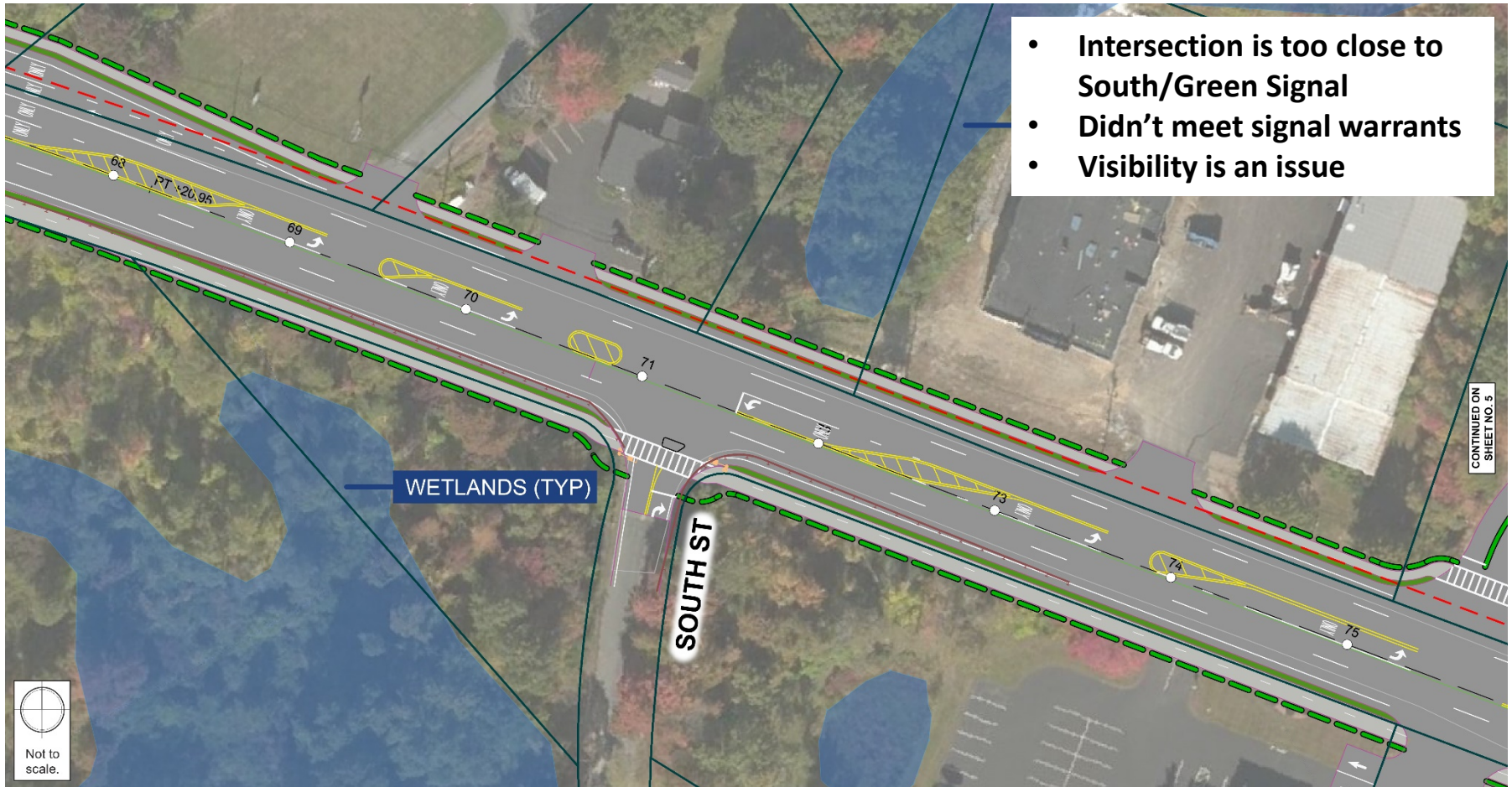
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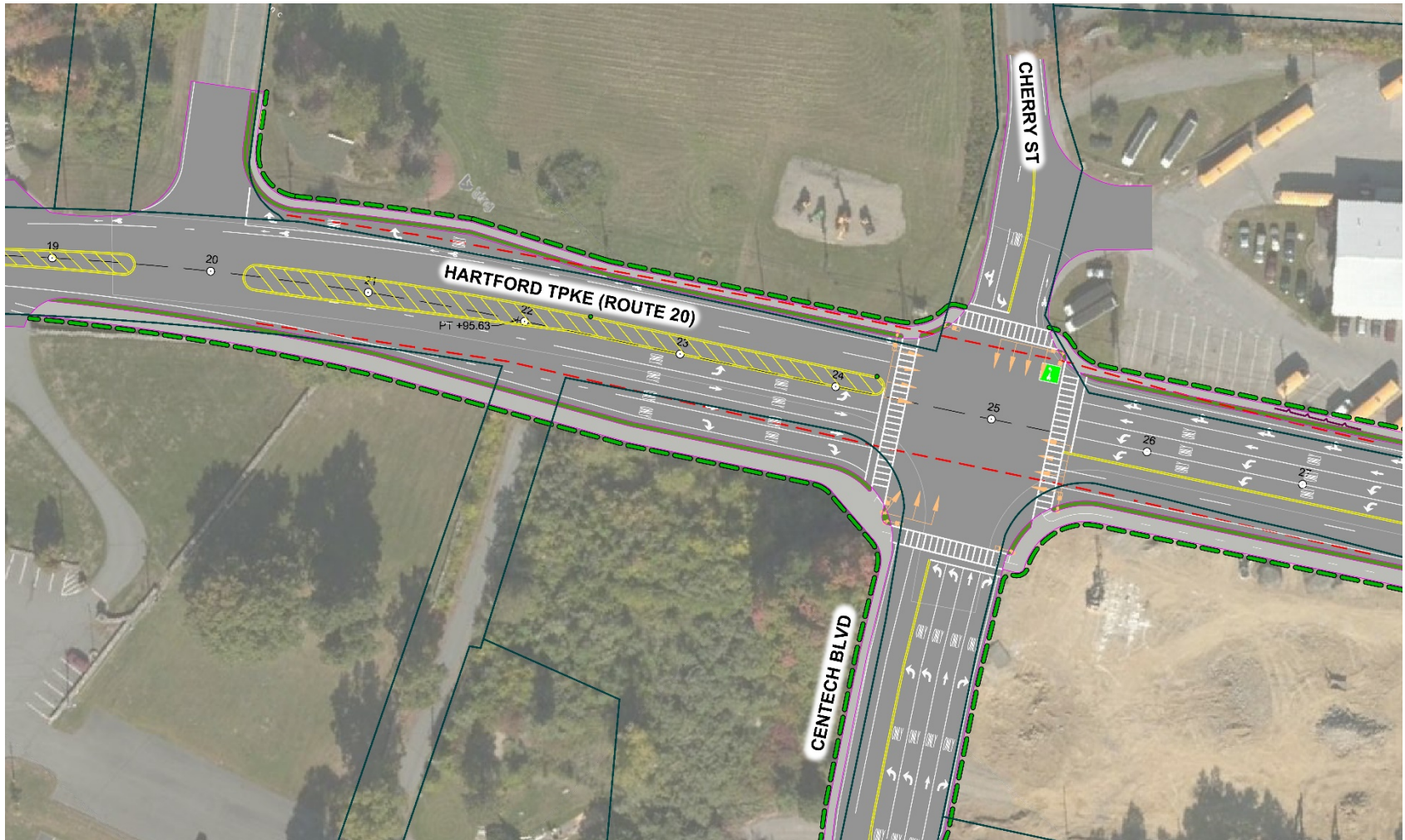
# Proposed Conditions



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# Next Steps

- **Consider feedback on the Phase 1 plan presented tonight.**
- **Finalize Master Plan for Phase 1 – early Spring 2019.**
- **Finalize full corridor Master Plan – late Spring 2019.**
- **Work with the Town to identify a segment to prioritize for implementation.**



# Thank You

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**[DOT.FeedbackDistrict3@dot.state.ma.us](mailto:DOT.FeedbackDistrict3@dot.state.ma.us)**