

Needham-Wellesley I-95 Add-A-Lane

**Newton-Needham
Chamber of Commerce
Project Update**

September 18, 2015

Agenda

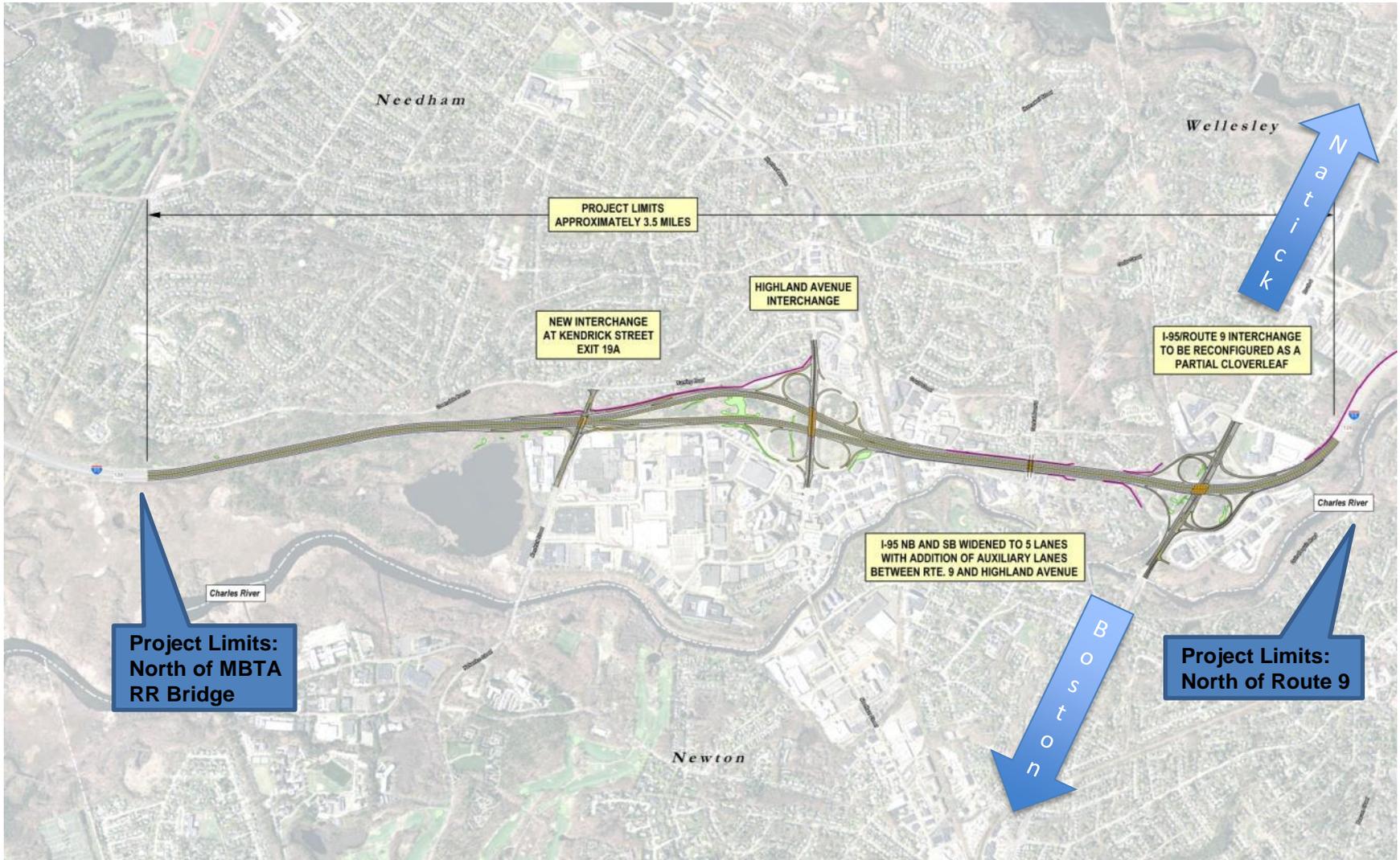
- Welcome and introductions
- Project Overview and Goals
- Current Work
- The View Ahead
- Keeping informed during construction

Project Goals and Overview

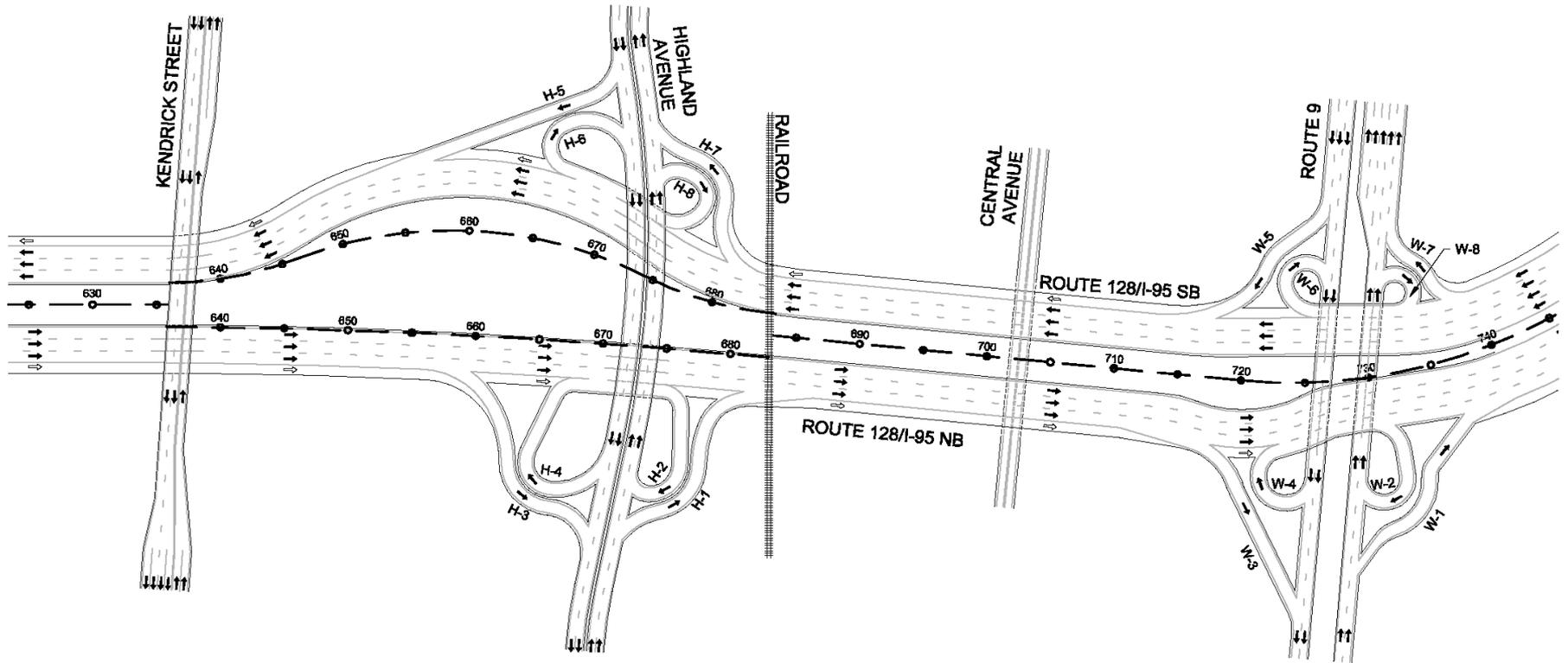
Project Status

- Project awarded to Barletta Heavy Division
- Construction started in January, 2015
- Project currently in stage 1 of 5.
- Focus on:
 - Widening Kendrick Street Bridge
 - Under construction at Highland Avenue Bridge
 - Under construction at Route 9 Interchange
 - Traffic shift to new pattern completed
 - Other work continuing

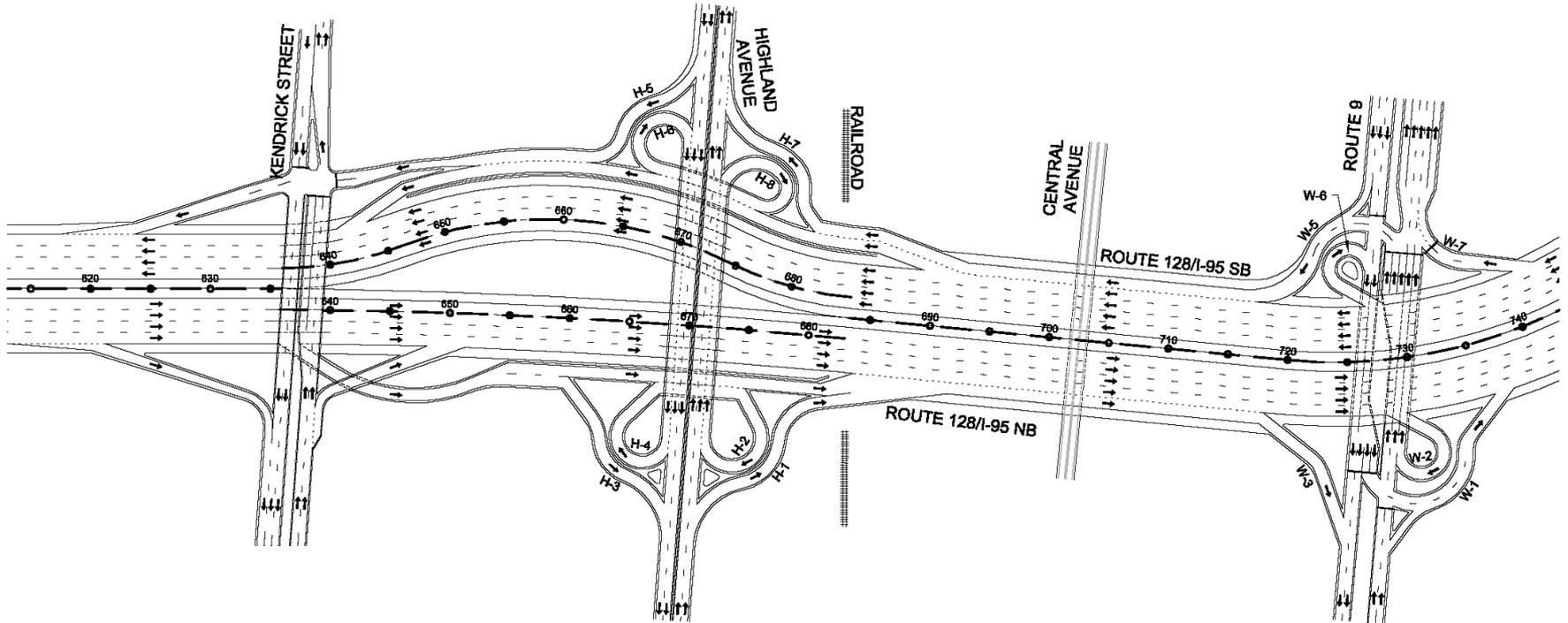
Project Limits



Existing Lane Configuration



Completed Configuration



Project Goals

- Improve safety and functionality of I-95:
 - Widen mainline highway to add one travel lane in each direction
 - Restore breakdown lane
 - Upgrade interchanges at Route 9 and Highland Avenue to:
 - Decrease congestion
 - Pull vehicles back to the mainline

Project Components - I

- Travel lane and shoulder along the median
- New interchange at Kendrick Street
- Collector/distributor roads connecting Kendrick Street and Highland Avenue
- Route 9 and Highland Avenue interchanges

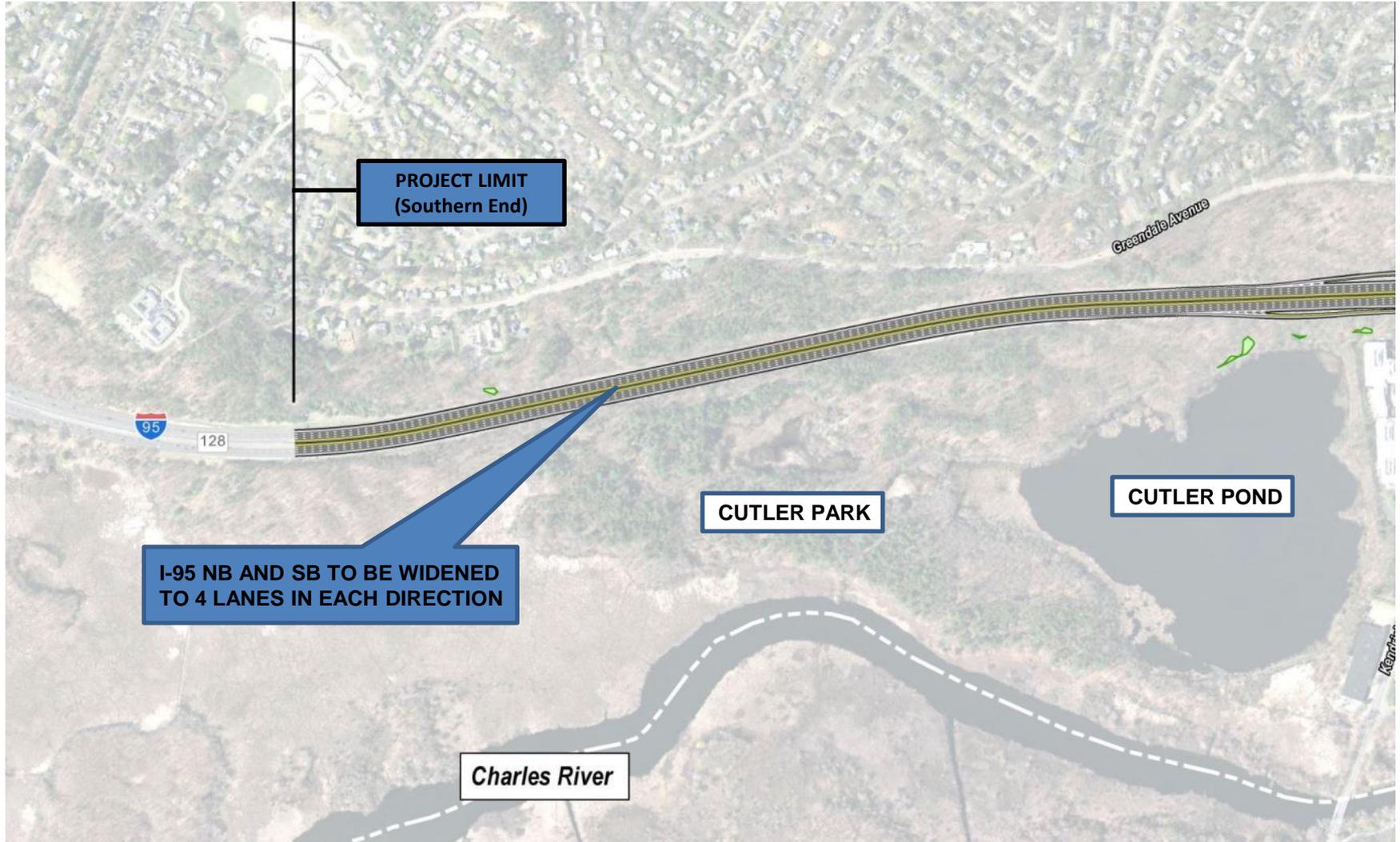


Project Components - II

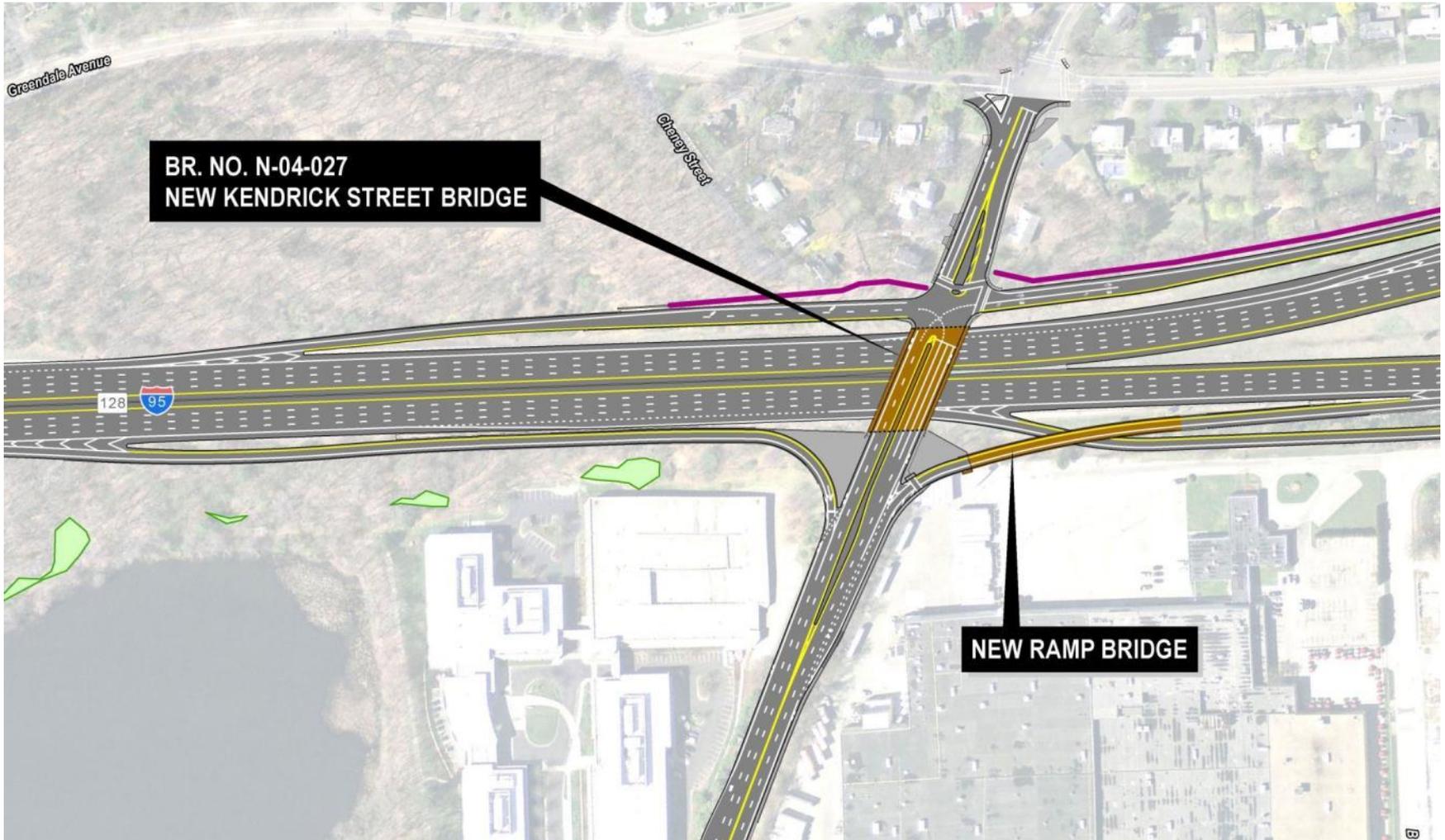
- 7 new noise barriers
- Widen I-95 bridge over Central Avenue
- 4 new bridges:
 - Kendrick Street over I-95
 - Flyover ramp at the Kendrick Street interchange
 - Highland Avenue over Route 128
 - I-95 over Route 9.
- Remove disused RR bridge



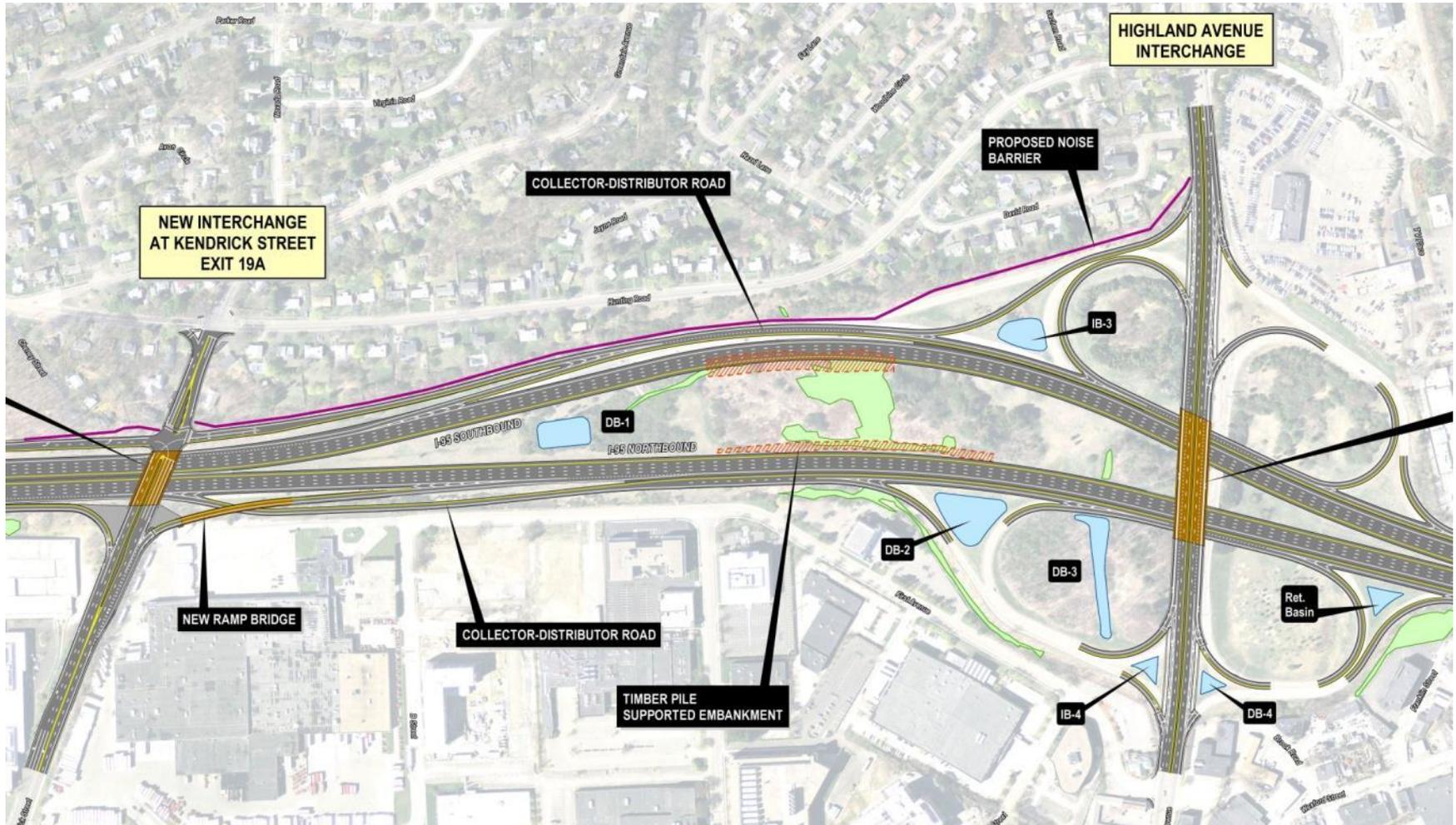
South Project Limit to Kendrick Street



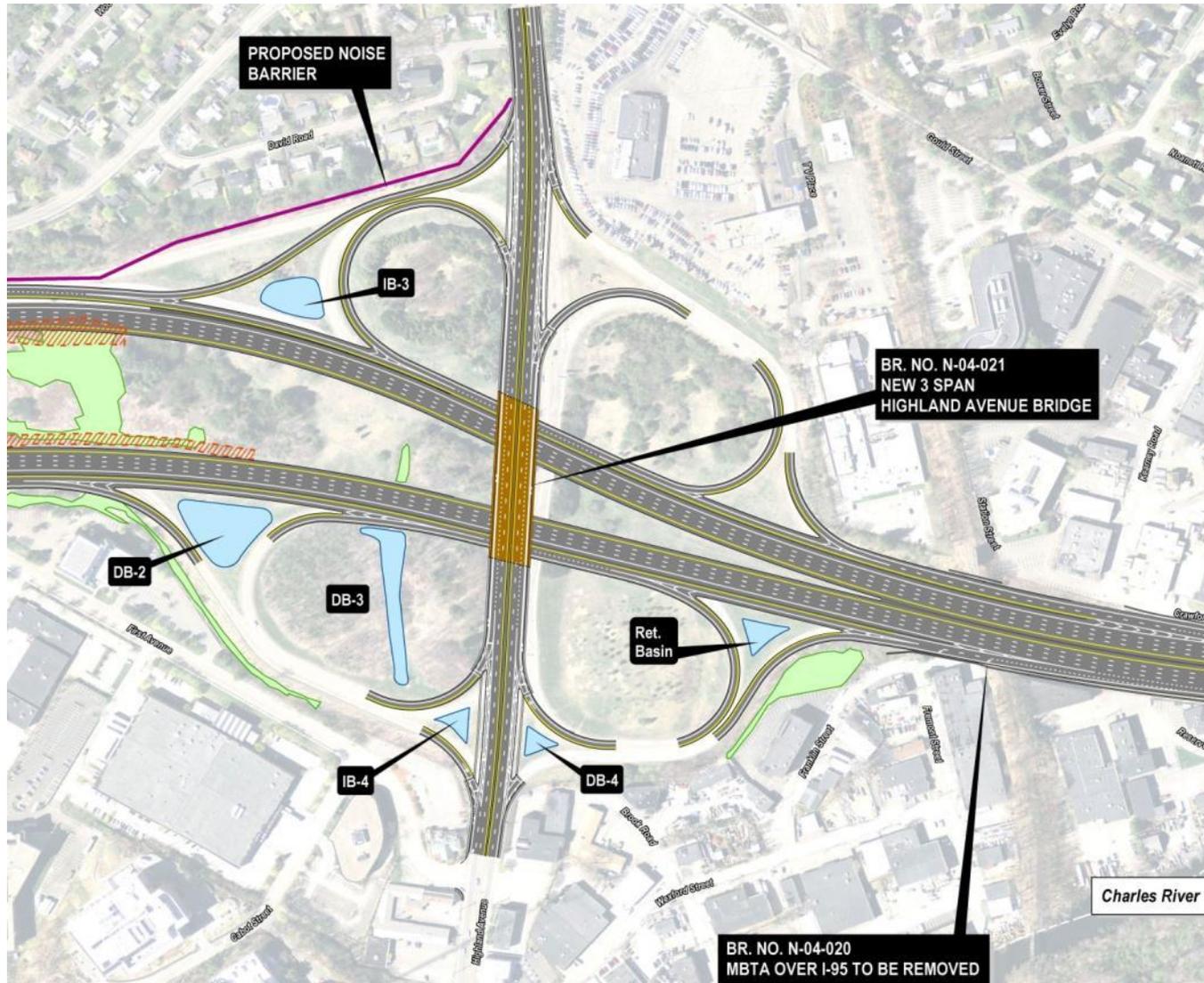
New Kendrick Street Interchange



New C/D Roads Between Kendrick Street and Highland Avenue



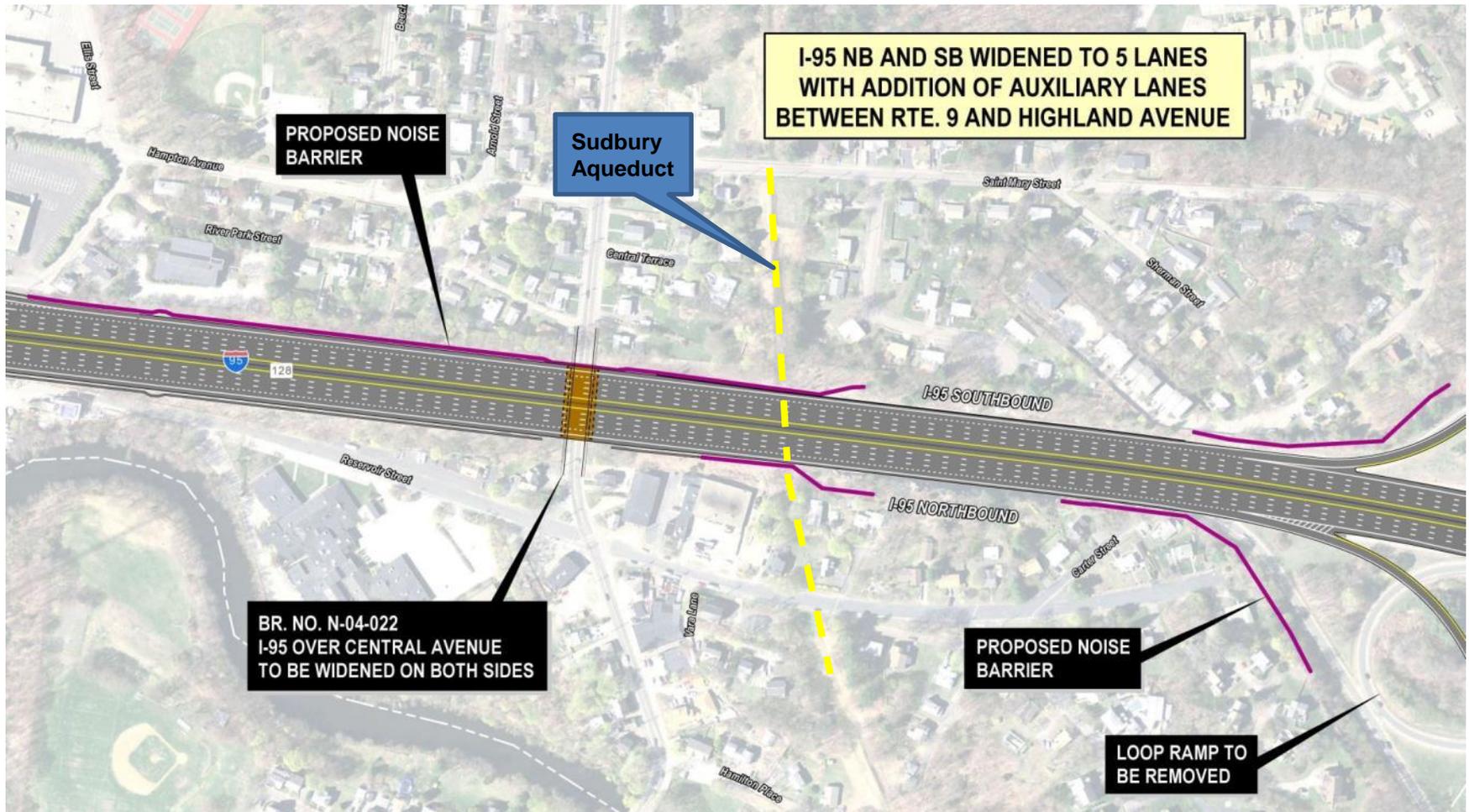
New Highland Avenue Interchange



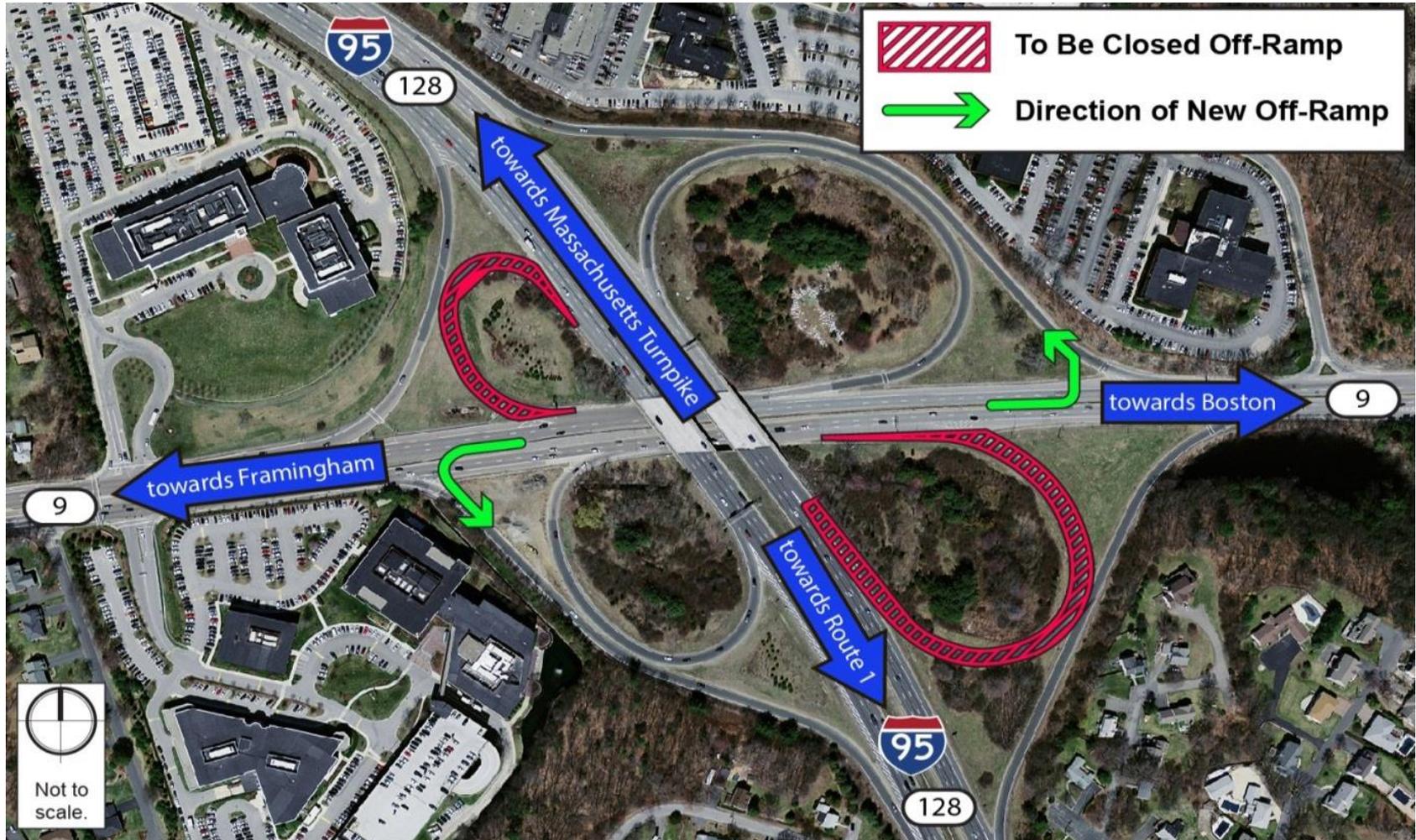
Former Railroad Bridge & Retaining Wall at 32 Fremont Street



New Auxiliary Lanes Between Highland Avenue and Route 9



Route 9 Interchange New Pattern



Reconfiguration of the Route 9 Interchange

- Why:
 - Constructability benefit for widening
 - Addresses weaving movements
 - *Average of 60 weaving crashes per year for five years on I-95 bridge*
 - *Also issues on Route 9 under the bridge*
- How it's going:
 - Generally well-received
 - Handful of inquiries
 - Traffic engineers monitoring performance
 - Expected improvements as motorists learn new pattern

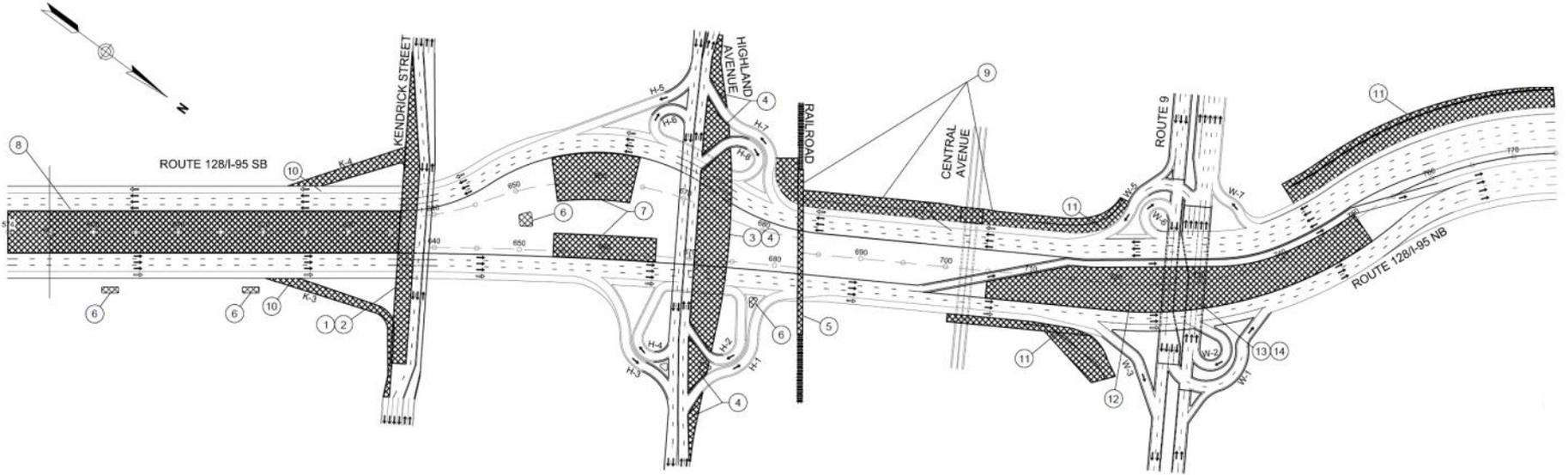
Current Work

Current Work I

- **At Kendrick Street Bridge:**
 - Installation of utilities
 - Installation of new bridge deck
 - Drainage installation along future ramp site
- **At Highland Avenue Bridge:**
 - Installation of utilities
 - Construction of crane
- **At Central Avenue Bridge:**
 - Excavation and lagging of center arch
 - Installation of temporary barrier
 - Form and reinforce center walls
- **At 9/128:**
 - Cross-over lane barrier and anti-glare paddle installation

The View Ahead

Stage 2 Construction



October 2015 through October 2016

Stage 2: Key Characteristics

- At Kendrick Street:
 - Replacement of bridge's southern half
 - Begin construction of ramps to/from I-95
 - Maintain three travel lanes
- At Highland Avenue:
 - Shift traffic onto new bridge
 - Maintain four travel lanes
- At Route 9:
 - Construct median section of I-95 bridge
 - Construct retaining walls and ramps
 - Approx. ½ mile of cross-over lane activated (October)
- Project wide: begin installation of sound barrier

Overall Project Timeline

- Notice to Proceed: January, 2015
- Stage 1: January-October, 2015
- Stage 2: October, 2015-October, 2016
 - *Anticipated completion at Kendrick Street: September, 2016*
- Stage 3: October, 2016-November, 2017
- Stage 4: November, 2017-July, 2018
- Stage 5: July, 2018-April, 2019
 - *Substantial completion: February, 2019*

FAQ'S

Question	Answer
<p>What about morning traffic on Kendrick Street?</p>	<ul style="list-style-type: none"> • Timings and loop detectors checked • About as good as it can be under current set-up • Shift to new structure in (XXX) will provide modest relief
<p>What about the cycling trail in Cutler State Reservation?</p>	<p>Some of the trail was built in the state highway layout. Local cyclists have been put in touch with DCR regarding reconstruction within the park</p>
<p>When will local road impacts wrap up?</p>	<p>By the end of 2016, remaining work on the project will be clustered on I-95 and Route 9 mainlines</p>
<p>What about bicycle accommodations on the Kendrick Street Bridge?</p>	<p>Cycling accommodations will include:</p> <ul style="list-style-type: none"> • Signage instructing motorists to yield • 5' bicycle lanes on the bridge • Bicycle lanes done in highly reflective paint • Similar accommodations planned for Highland Avenue
<p>When will the sound barrier near my house be built?</p>	<ul style="list-style-type: none"> • Sound barrier construction will begin this fall and is anticipated to go on through the winter and progress into future stages of the job. • Feel free to contact us with your address

Staying Informed

Staying Informed

- www.massdot.state.ma.us/highway/HighlightedProjects/NeedhamWellesleyI95AddALane
 - *“Just google Needham Add-a-Lane”*
- Sign up for weekly look ahead emails
- Contact:
Nathaniel Curtis
617-482-7080 x236
ncabral-curtis@hshassoc.com

Questions?

I-95 Add-a-Lane Bridge IV Complete December 2015 4 Lanes + Break Down Lane Great Plain Ave to Route 24

