

## Needham Heights Neighborhood Association

# Add-A-Lane Contract V along a Section of I-95 includes 6 Bridges

Project File No. 603711

June 9, 2014

# Agenda

- **Project Update**
  - **Overview**
  - **Bid and Contract Award Schedule**
  - **Preliminary Construction Schedule**

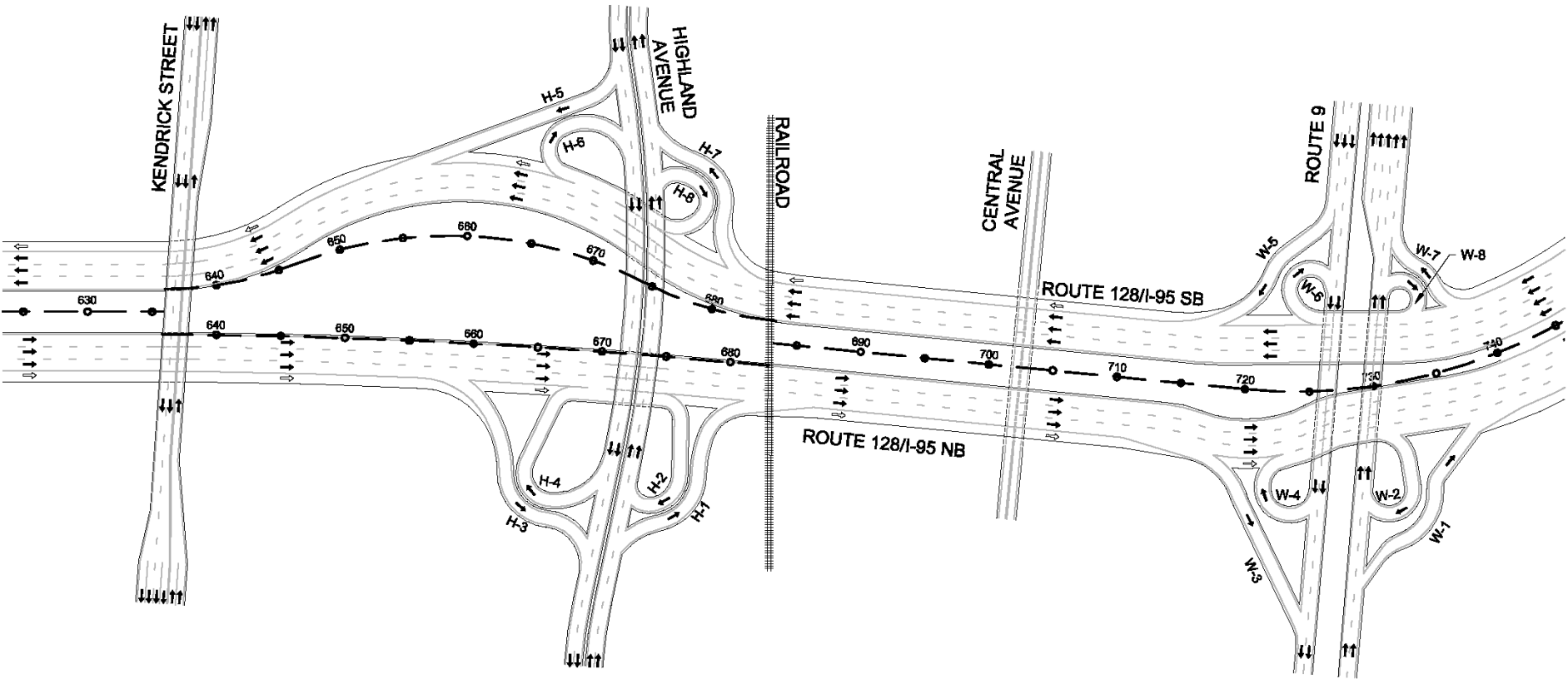
## Bid and Award Schedule

- **July 1, 2014 – Contractors' Bid Due**
- **Late August/Early September – Contractor NTP**
- **October 2014 – Construction Start**
- **January 2019 – Construction Completion**

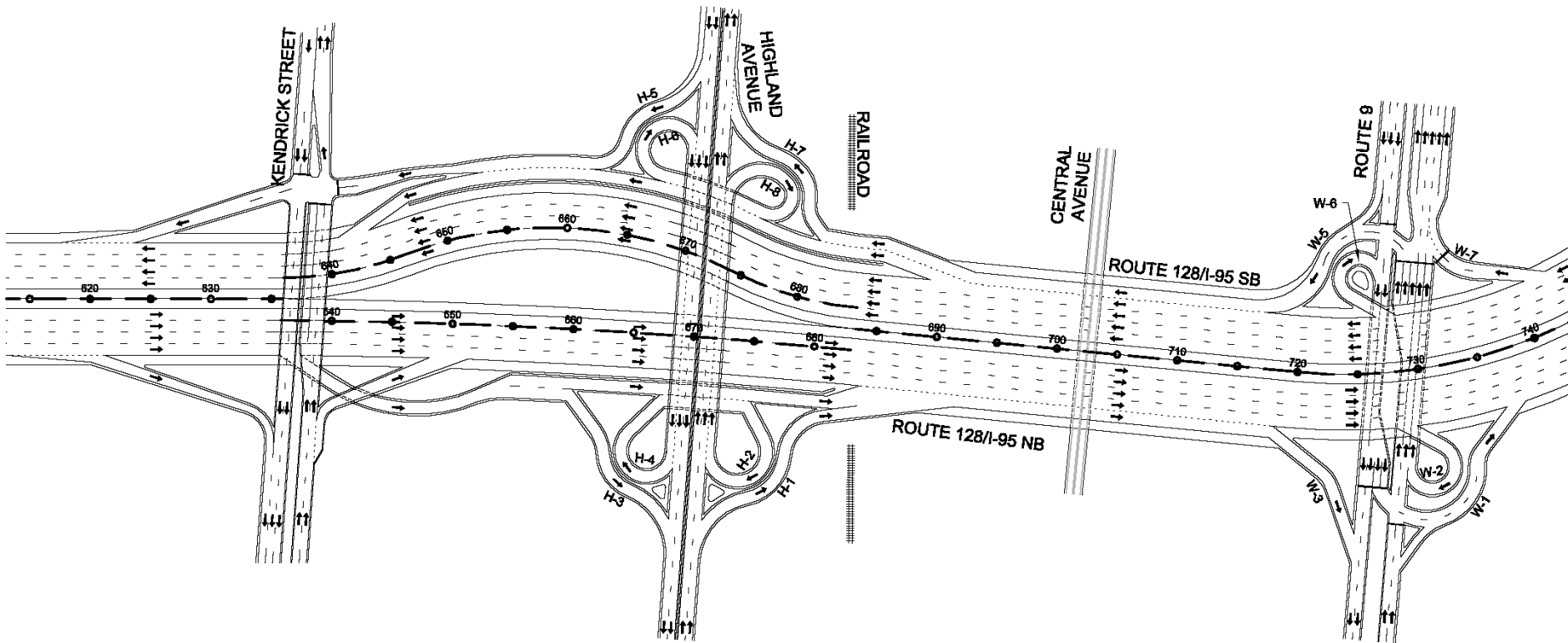
## Preliminary Construction Schedule

- **Notice-to-Proceed to Contractor: Aug/Sep 2014**
- **Estimated Completion Dates of Construction Stages:**
  - **Stage 1: October 2015**
  - **Stage 2: September 2017**
  - **Stage 3: May 2018**
  - **Stage 4: September 2018**
  - **Stage 5: December 2018**
- **Partial Opening of Kendrick St. Interchange: July 2016**
- **Substantial Completion: December 2018**

# Existing Lane Configuration

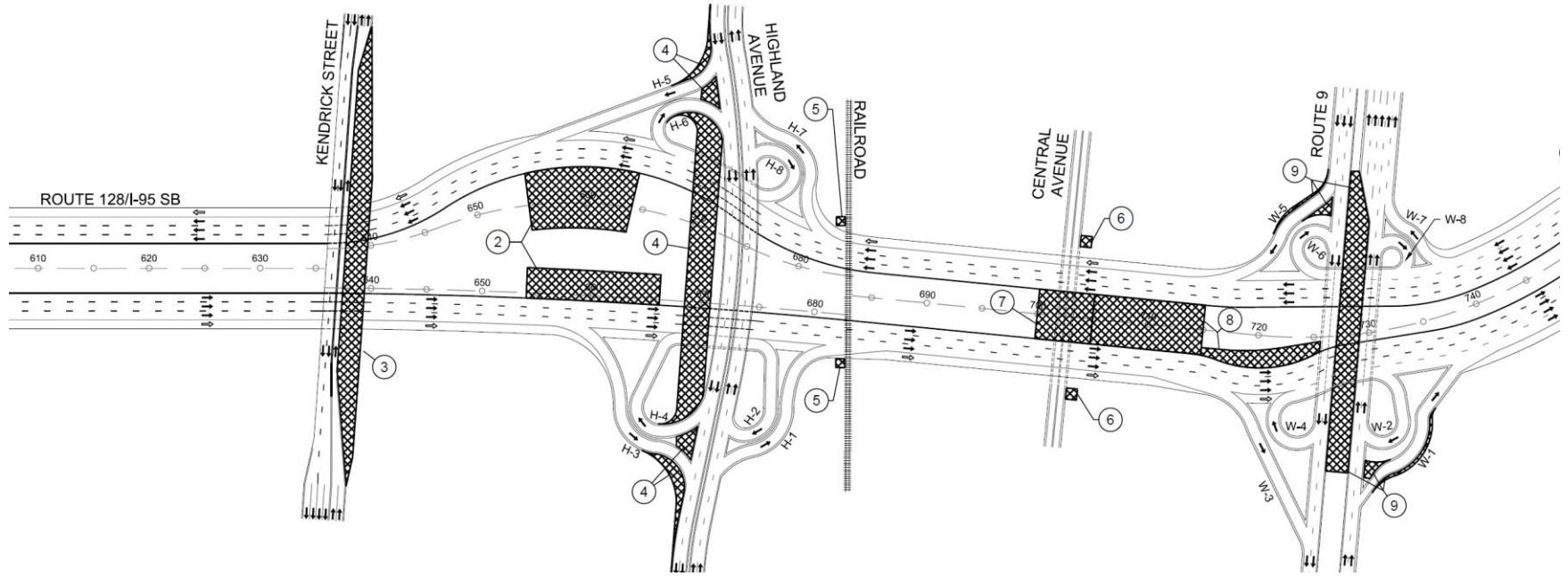


## Future Lane Configuration

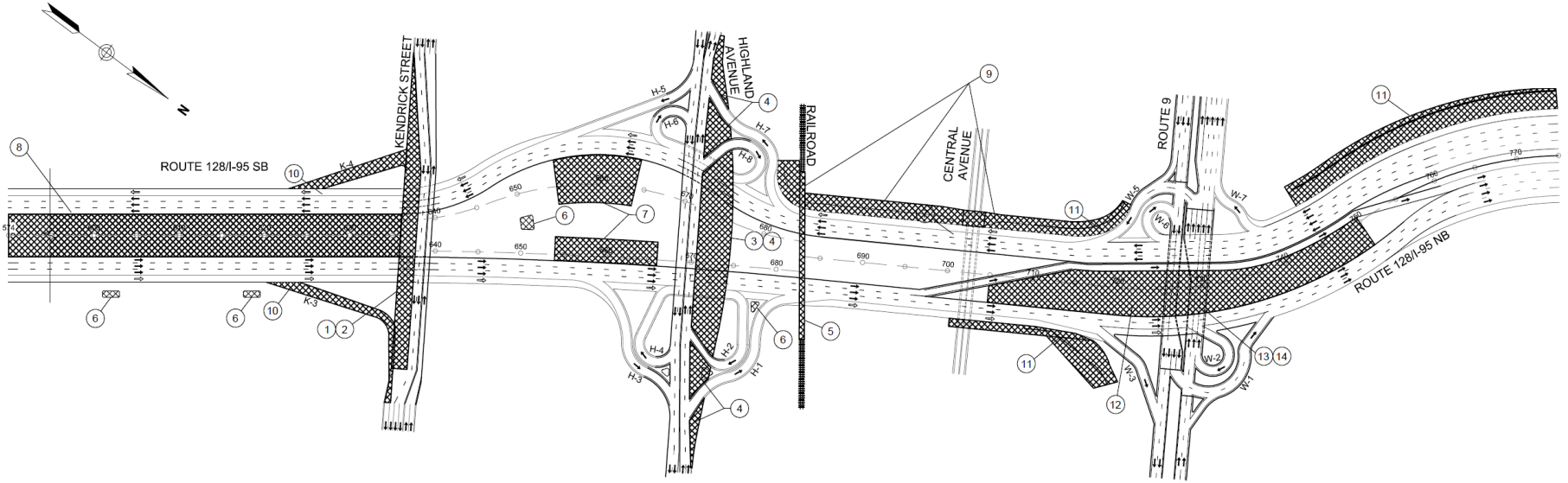


- 4 Travel Lanes in each direction south of Highland Ave.
- 5 Travel Lanes in each direction between Highland Ave. and Rte. 9
- New Kendrick Street Interchange
- Collector-Distributor Roadways between Kendrick St. and Highland Ave.
- Reconfigured Rte. 9 Interchange

# Stage 1 Construction: Sept. 2014 – Oct. 2015

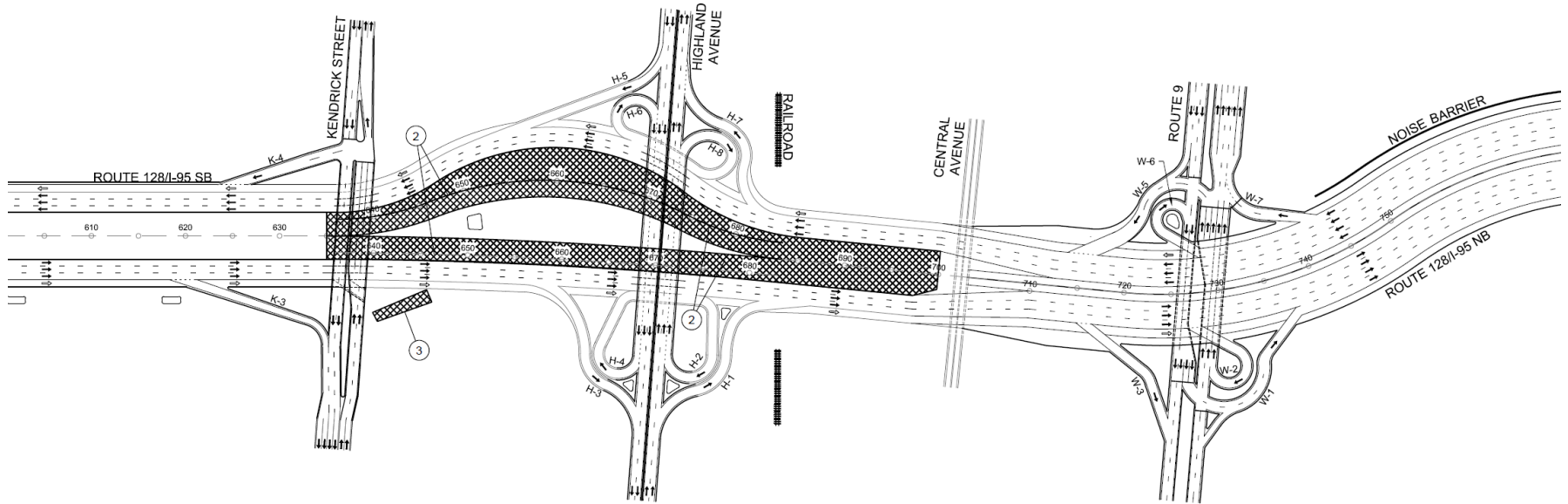


# Stage 2 Construction: Oct. 2015 – Sept. 2017

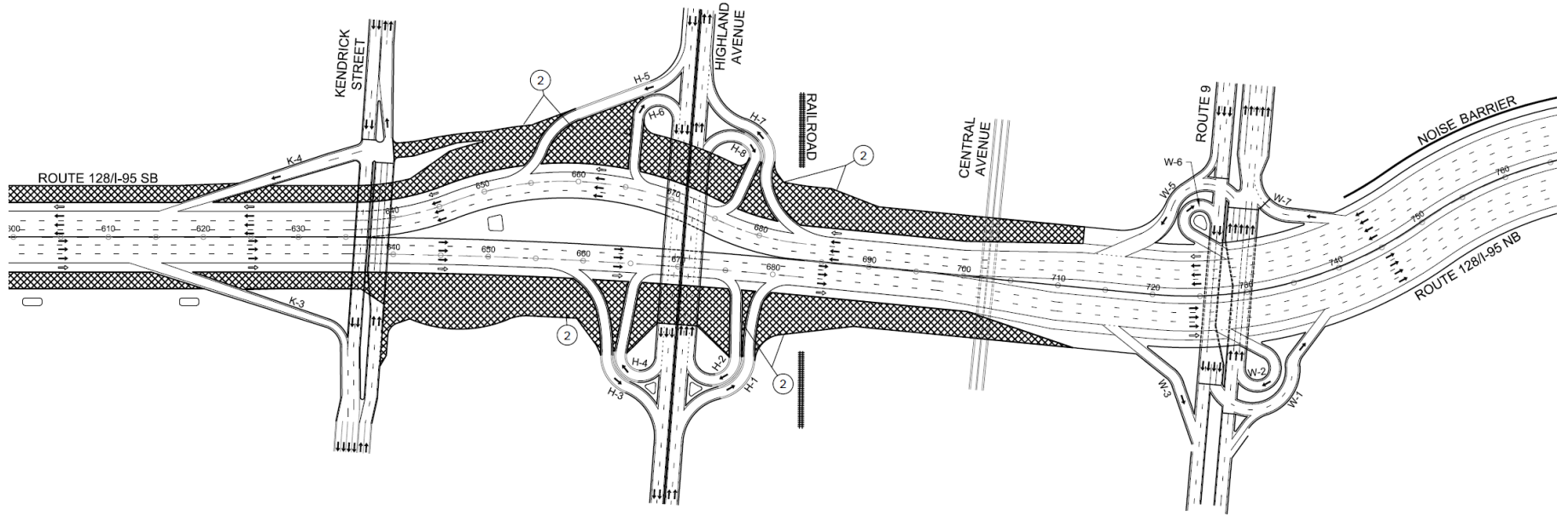




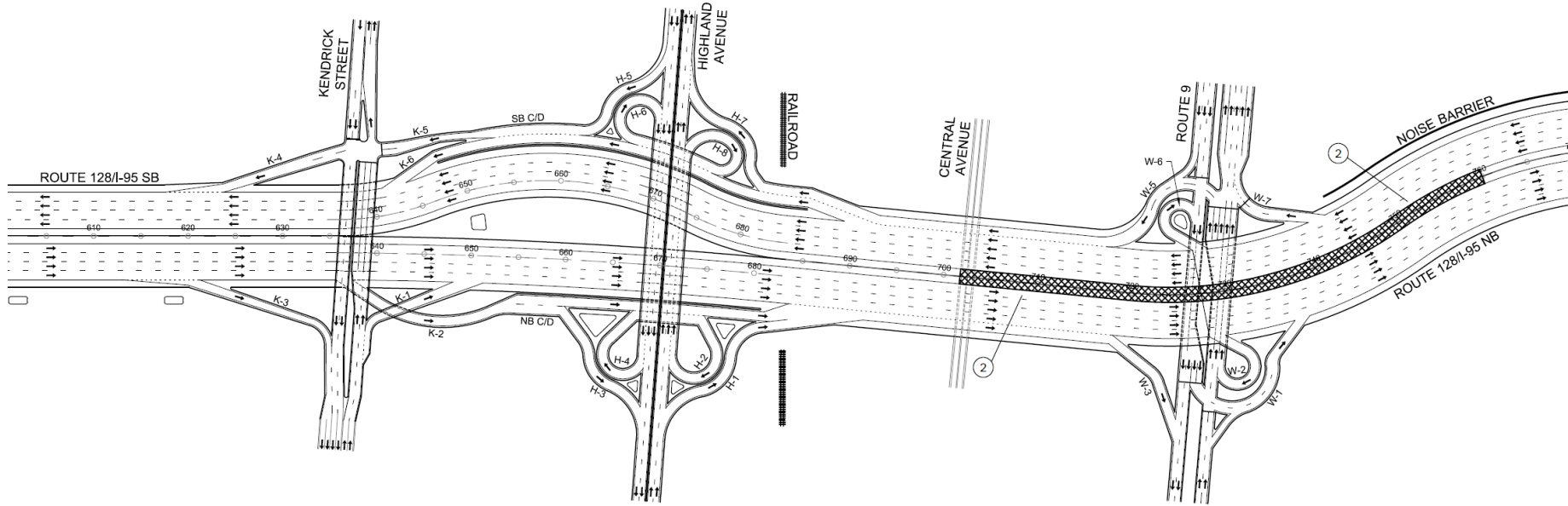
# Stage 3 Construction: Sept. 2017 – May 2018



# Stage 4 Construction: May 2018 – Sept. 2018



# Stage 5 Construction: Sept. 2018 – Dec. 2018

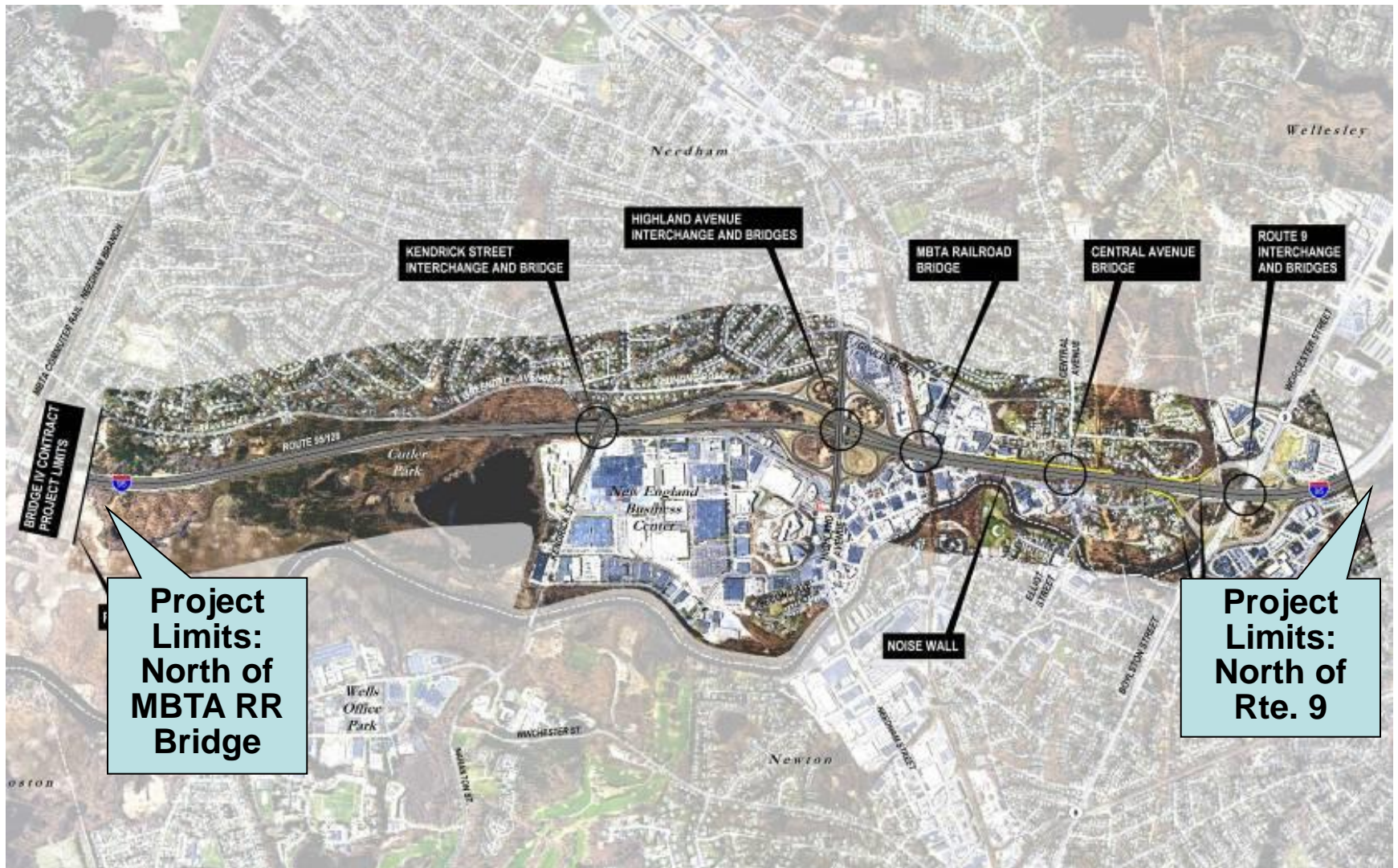


# Questions

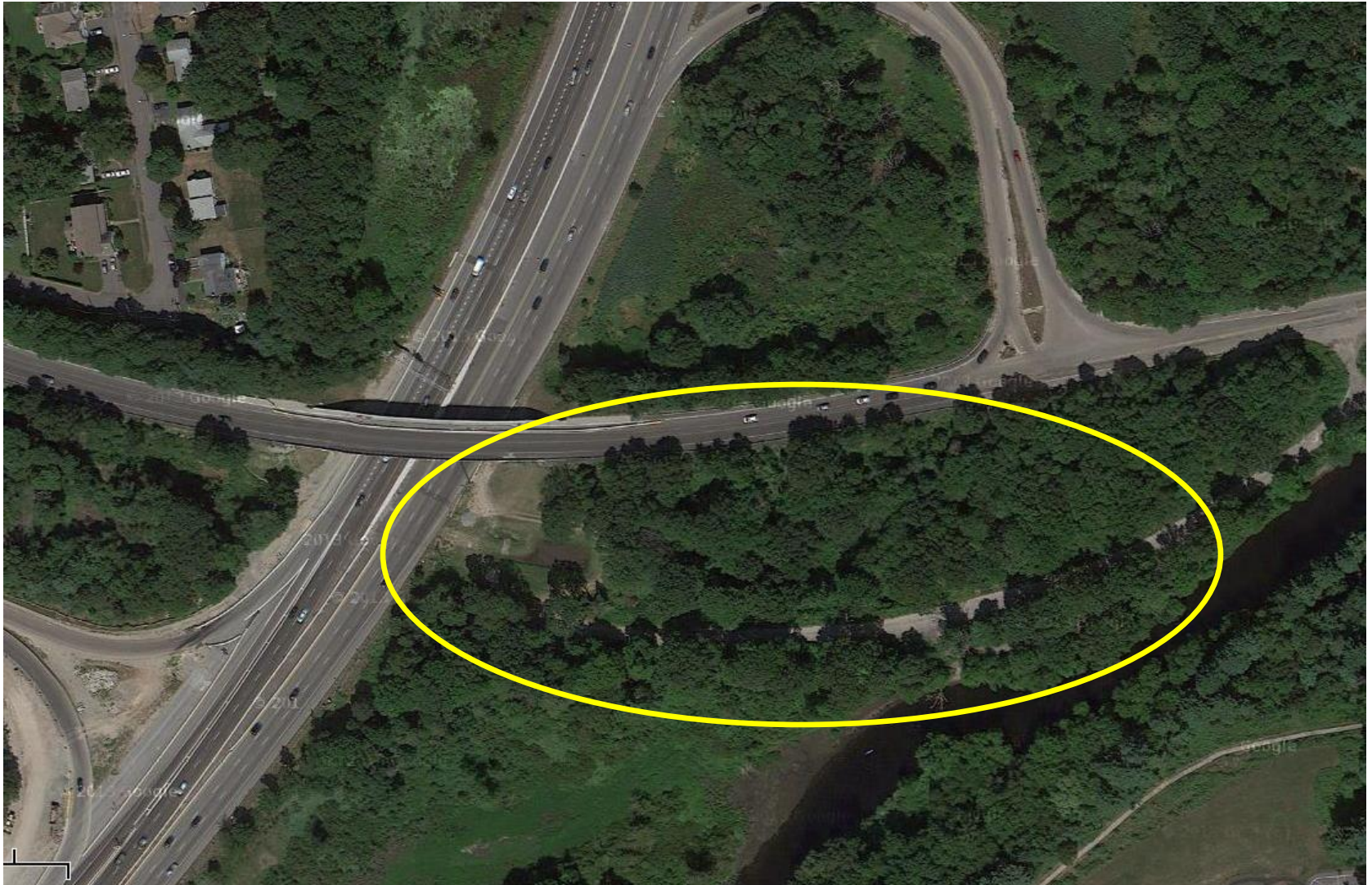
## Project Components

- **Project Components**
  - **South of Kendrick Street**
  - **New Kendrick Street Interchange**
  - **Kendrick Street to Highland Avenue**
  - **Highland Avenue to Route 9**
  - **Route 9 Interchange**
  - **Noise Barrier North of Route 9**
  - **Mitigation Parcel at Great Plain Avenue**

# Project Limits



## Project Limits – Off-Site Mitigation Site at Great Plain Avenue



## Project Limits – Noise Barrier Along I-95 SB north of Route 9





## Proposed Roadway Improvements



- **Widen roadway into median to add 1 travel lane in each direction**
- **Restore breakdown lanes and provide widened shoulder at median**
- **New Kendrick St. interchange**
- **New collector/distributor roads, Kendrick St.–Highland Ave.**
- **Auxiliary lanes in each direction between Highland Ave. & Rte. 9**
- **Reconfigure Rte. 9 interchange**

## Bridges and Walls

- **Bridges**
  - 3 Replacement Bridges
  - 1 Widening
  - 1 Removal – RR Bridge
  - 1 New Bridge
- **Retaining Walls**
  - 16 Locations – Total Length  $\approx$  9,986 LF
- **Noise Barriers**
  - 7 Locations – Total Length  $\approx$  10,424 LF

# South Project Limit to Kendrick Street



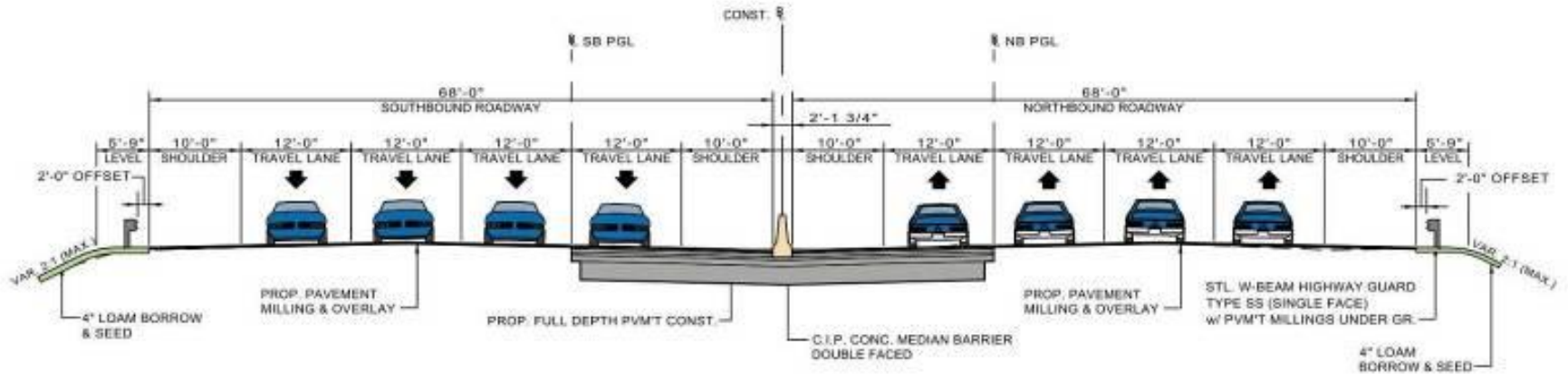
# South Project Limit to Kendrick Street



# South Project Limit to Kendrick Street



**EXISTING TYPICAL SECTION**



**PROPOSED TYPICAL SECTION**

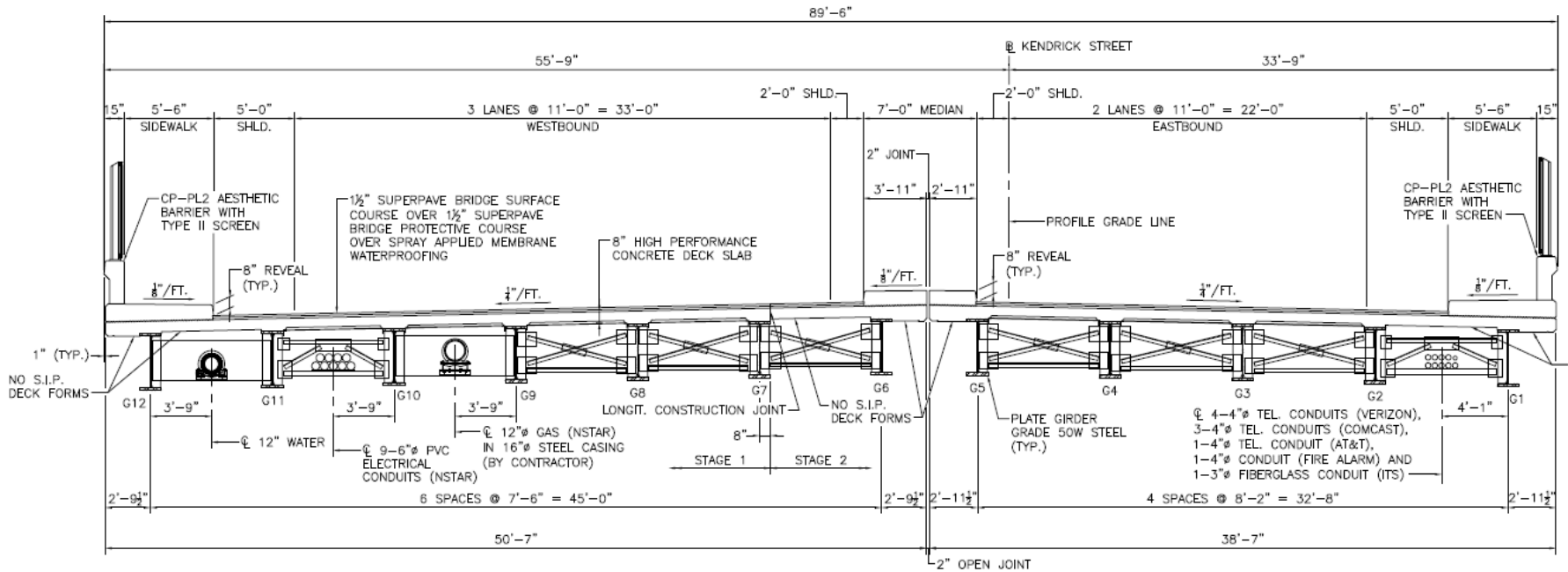
# New Kendrick Street Interchange



## Existing Kendrick Street Bridge



# Proposed Kendrick Street Bridge



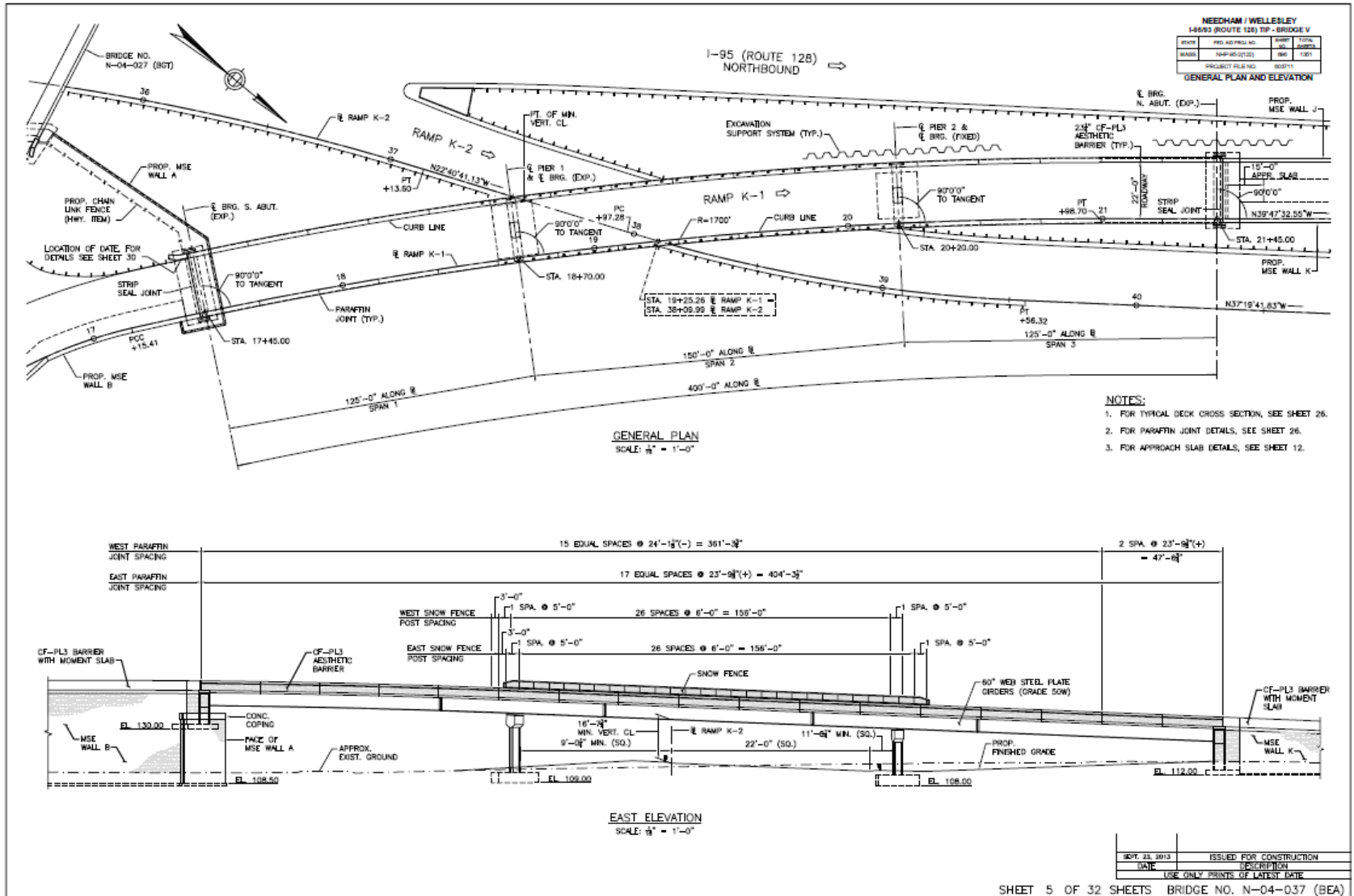
TRANSVERSE SECTION OF SUPERSTRUCTURE

## Looking East

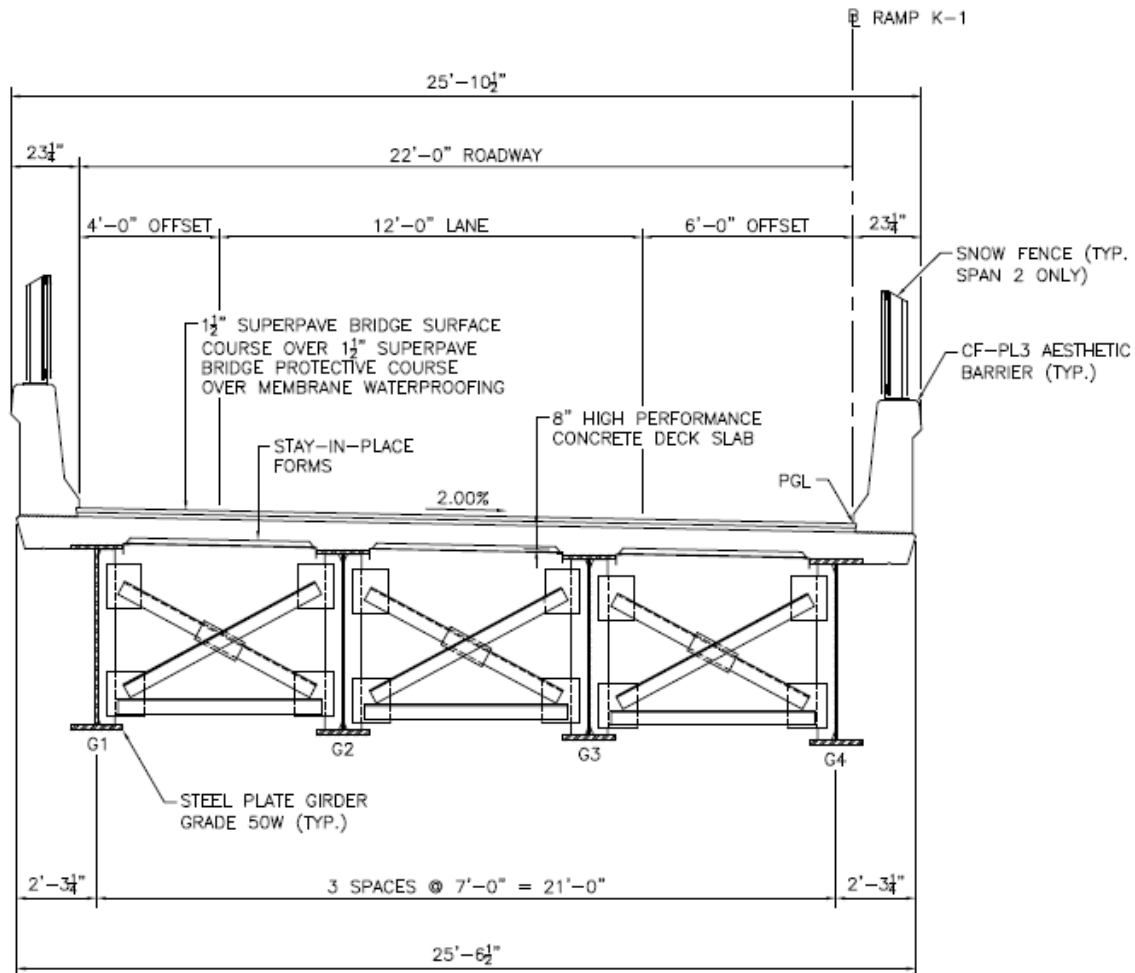
- 2 Span Similar to Existing
- Constructed in 2 Stages



# New Ramp K-1 over Ramp K-2 Bridge



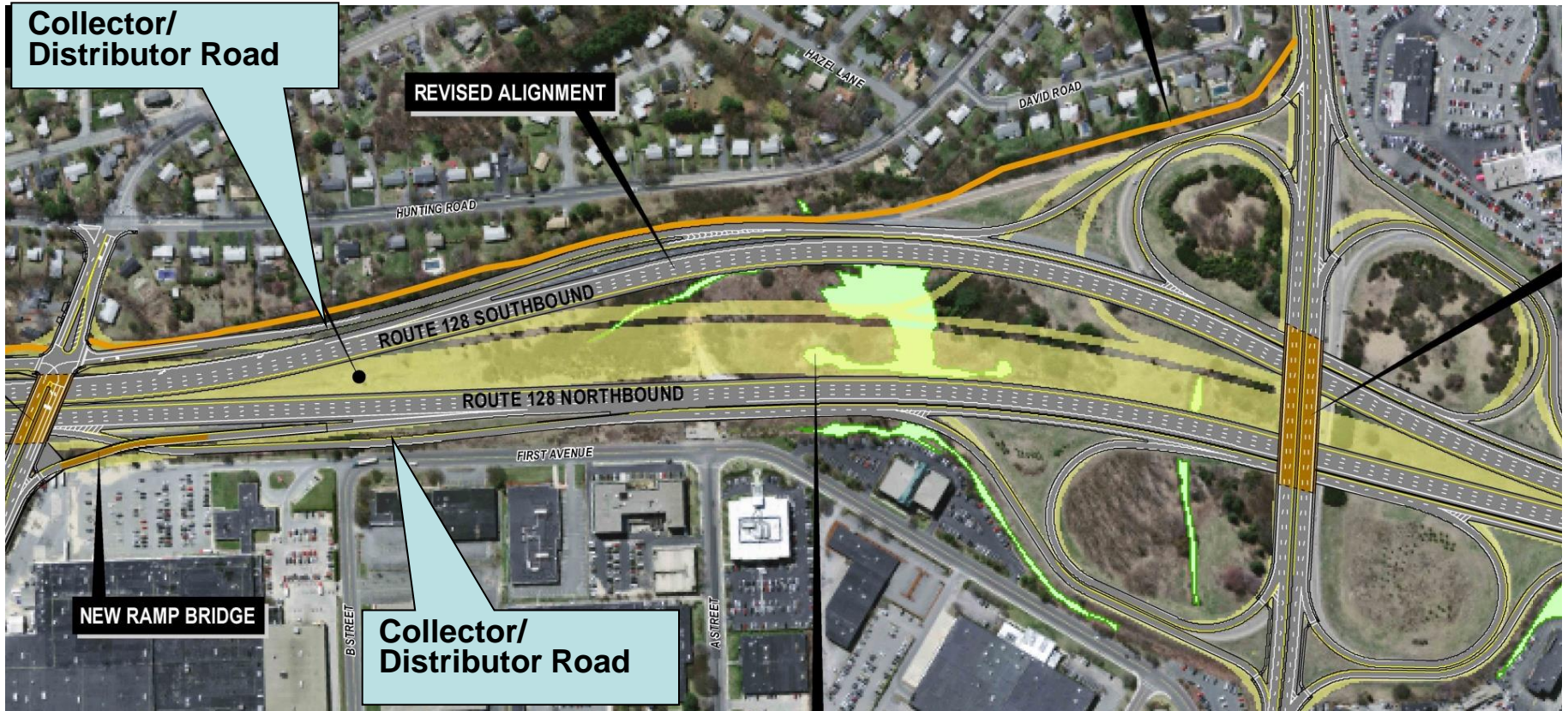
# New Ramp K-1 over Ramp K-2 Bridge



TRANSVERSE SECTION OF SUPERSTRUCTURE

SCALE:  $\frac{3}{8}$ " = 1'-0"

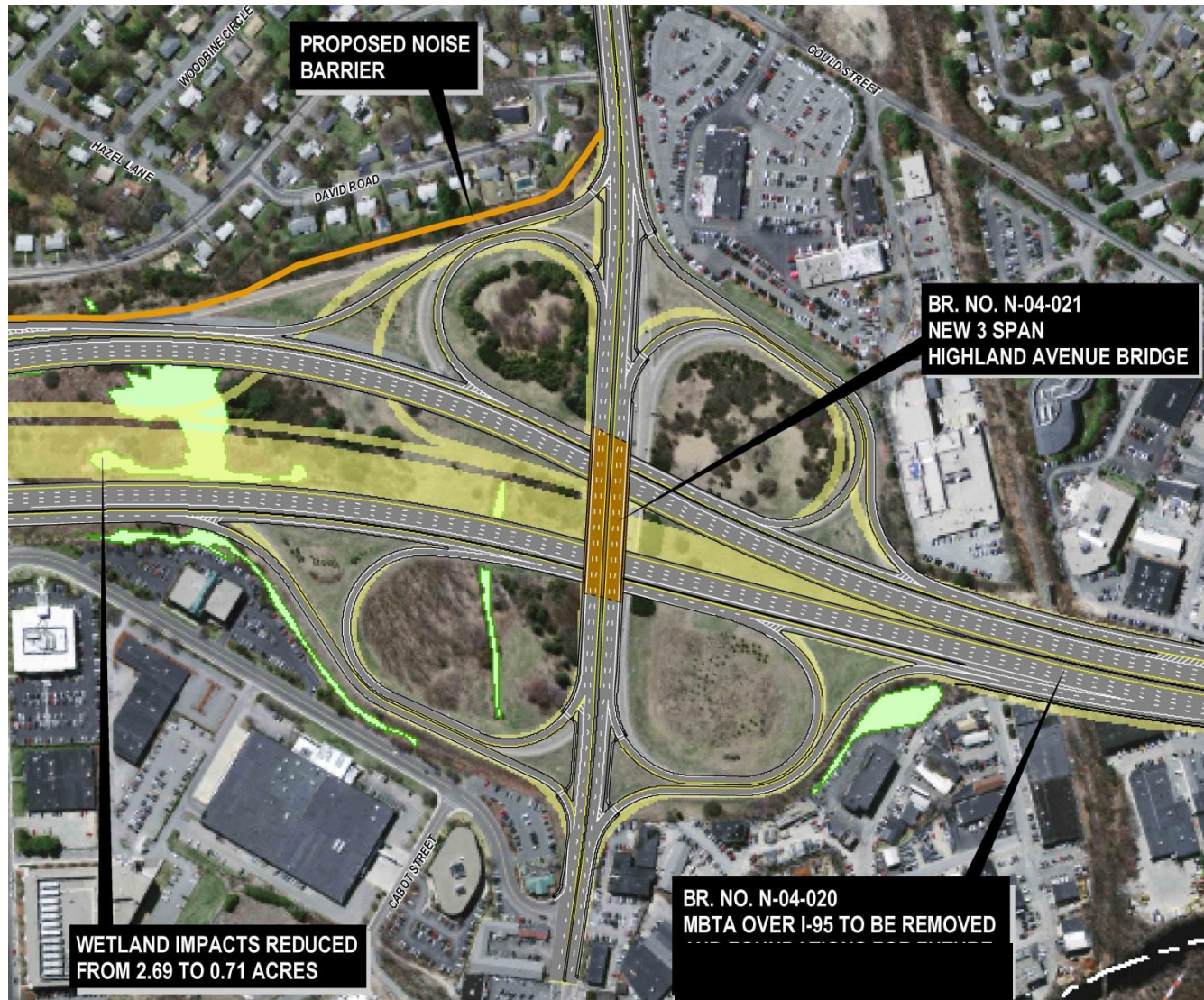
# New C/D Roads Between Kendrick Street and Highland Avenue



## Existing Highland Avenue Interchange

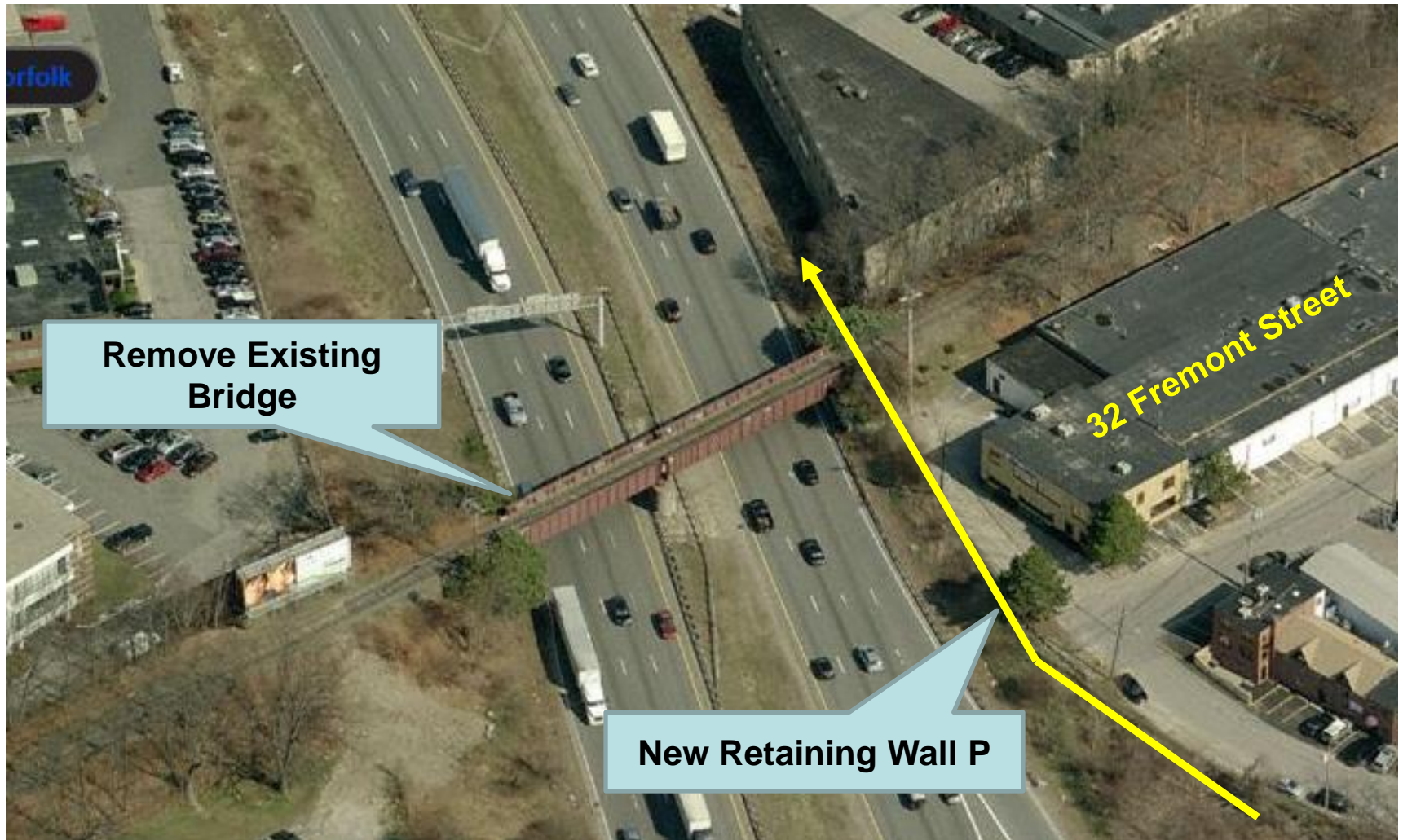


# Proposed Highland Avenue Interchange

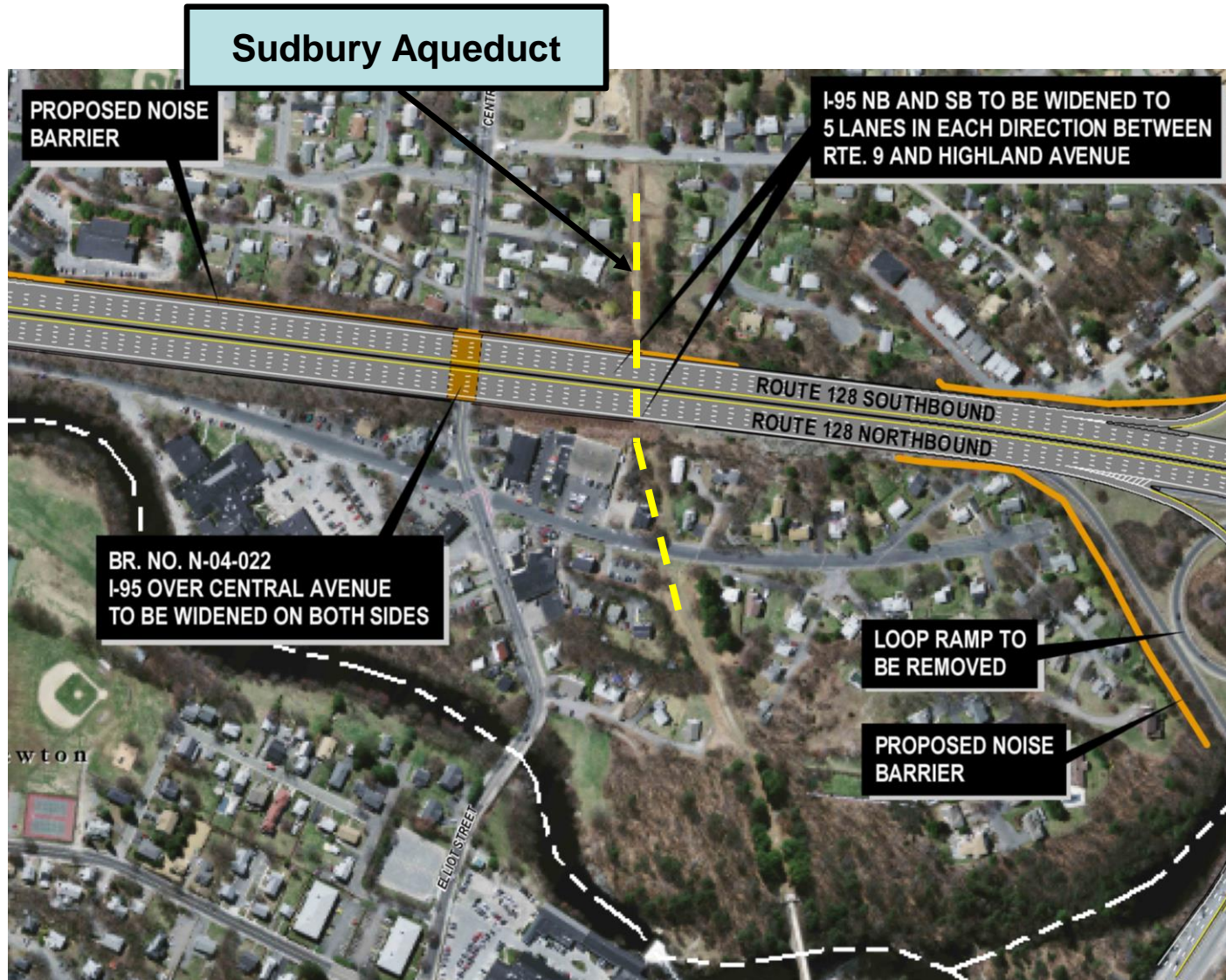




# MBTA Railroad Bridge & Retaining Wall at 32 Fremont Street

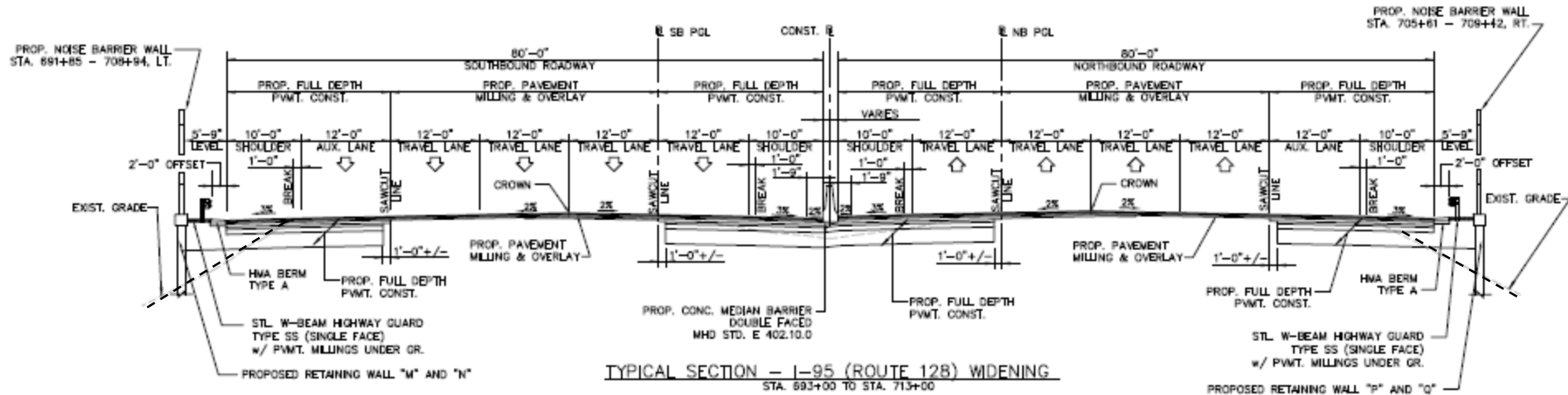


# New Auxiliary Lanes Between Highland Avenue and Route 9





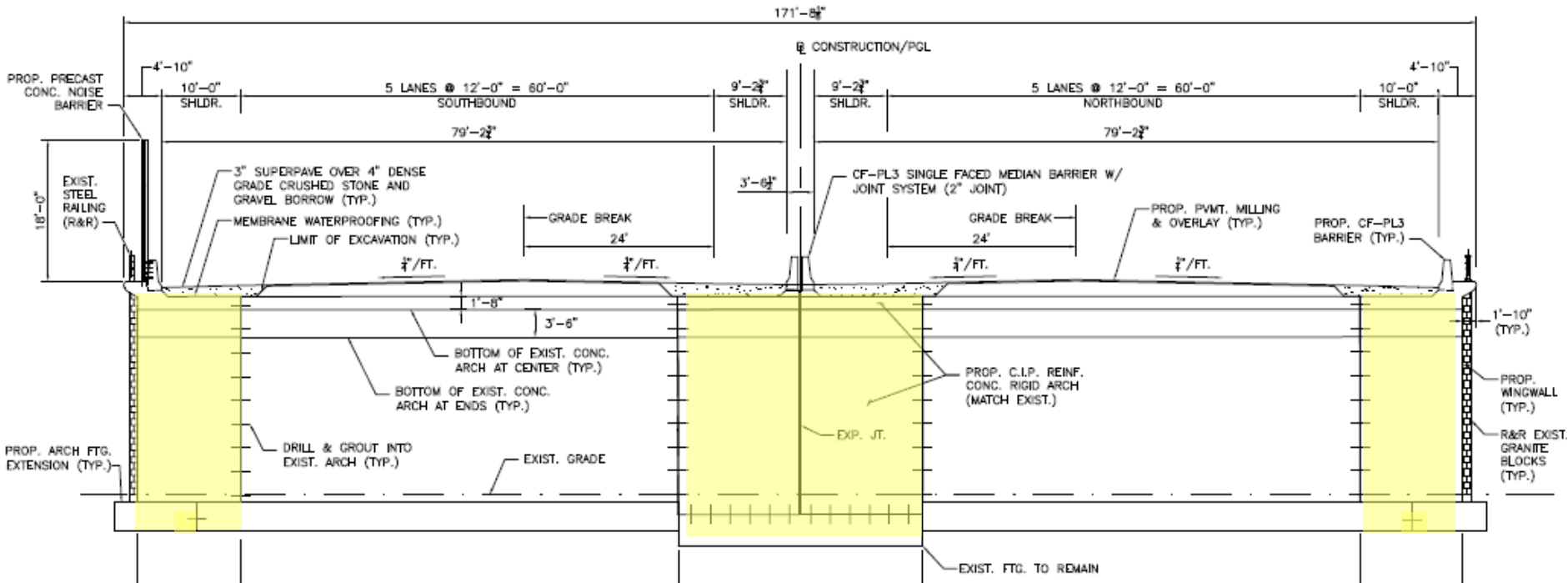
# New Auxiliary Lanes Between Highland Avenue and Route 9



# Central Avenue Bridges



# Central Avenue Bridges - Modifications

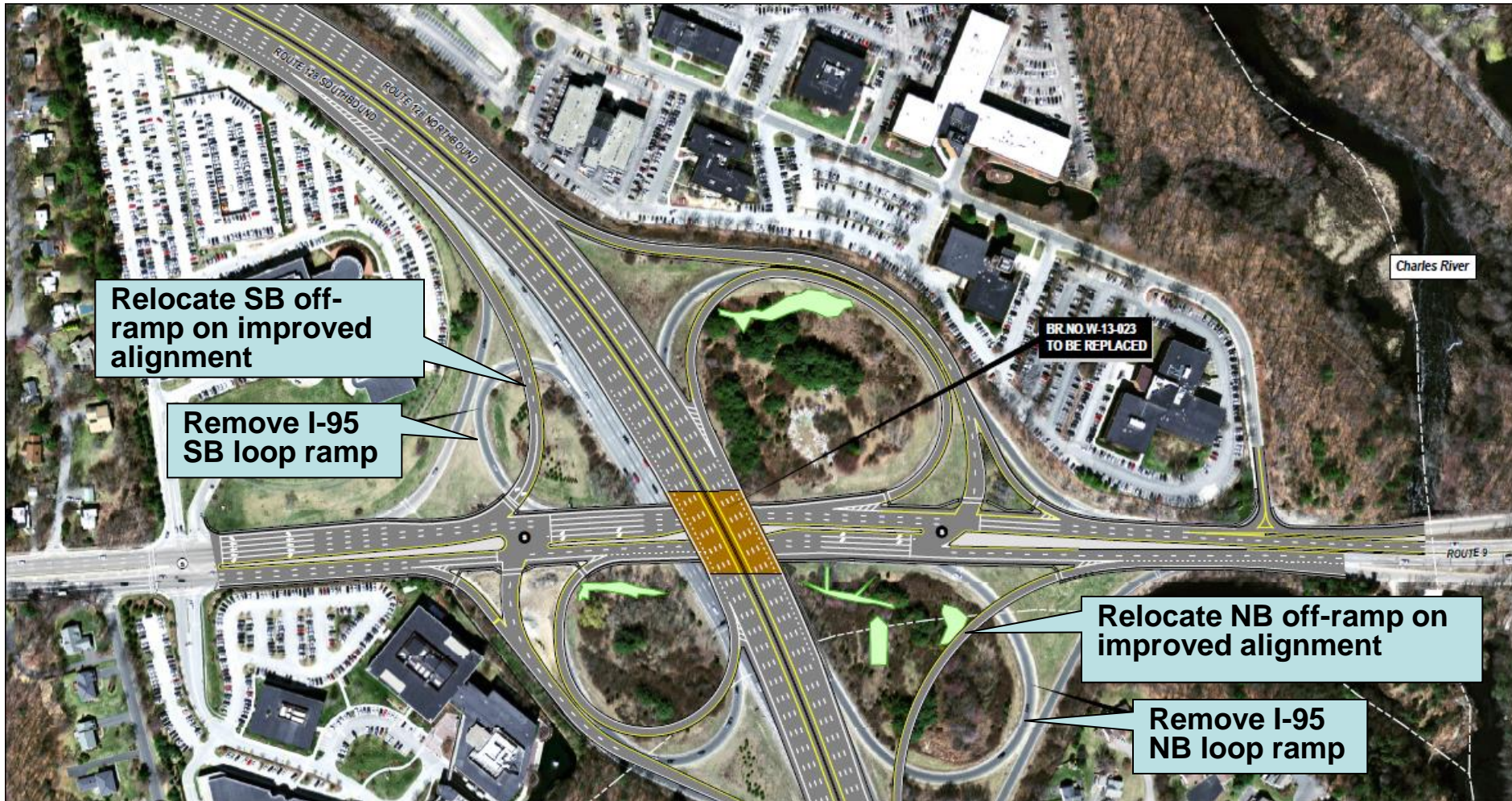


# Route 9 Interchange

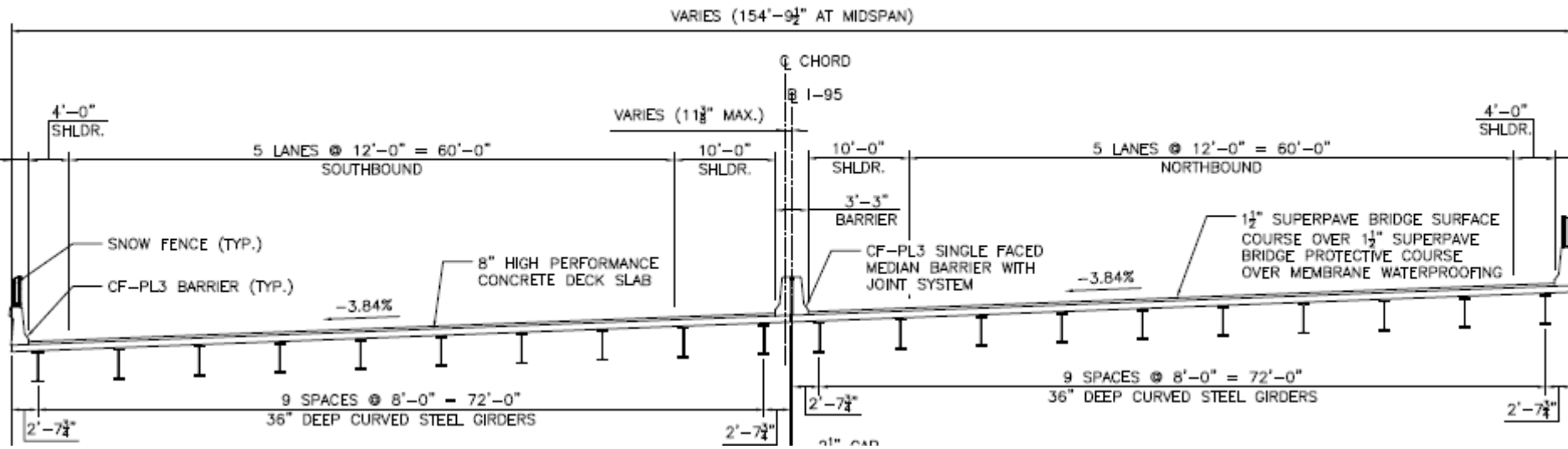




# Reconfiguration of the Route 9 Interchange



# Proposed Route 9 Bridge



## Incentives/Disincentives

- **Milestone #2 – Substantial Completion**
  - **\$30,000/day**
  - **\$4,020,000 maximum**
- **Milestone #3 – Completion of Br. No. N-04-027 and Ramps K-3 and K-4**
  - **\$11,000/day**
  - **\$407,000 maximum**