

# **Public Information Meeting**

**State Project No. 118-169**

**Replacement of Bridge Nos. 03163 & 03164**

**Route 160 (Elm St.) over I-91**

**Town of Rocky Hill**



## **CT Department of Transportation Personnel**

**Project Manager**  
**Louis Bacho, PE**

**Project Engineer/Contact**  
**Susan Morneault**

### **Liaison Engineer: Close, Jensen and Miller, P.C.**

**Liaison Engineer/Contact**  
**Michael Woods, PE**

### **Design Engineer: Stantec Consulting Services Inc.**

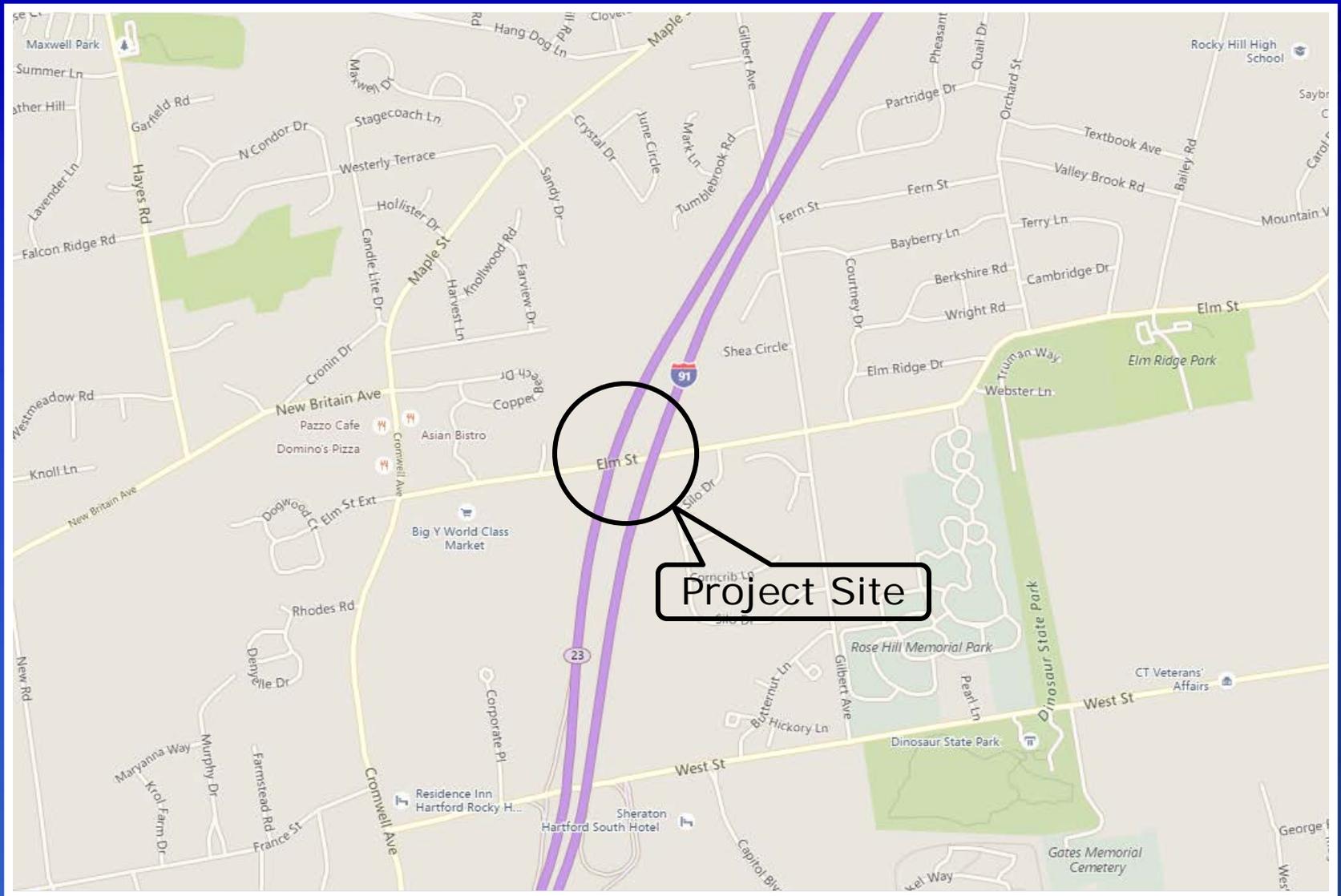
**Design Engineer/Contact**  
**Andrew Lessard, PE**



# **Program Goals**

- **Increase safety of the traveling public**
- **Minimize construction disruptions**
- **Reduce future maintenance costs**
- **Use available funding effectively**
- **Maintain bridges in a state of good repair**



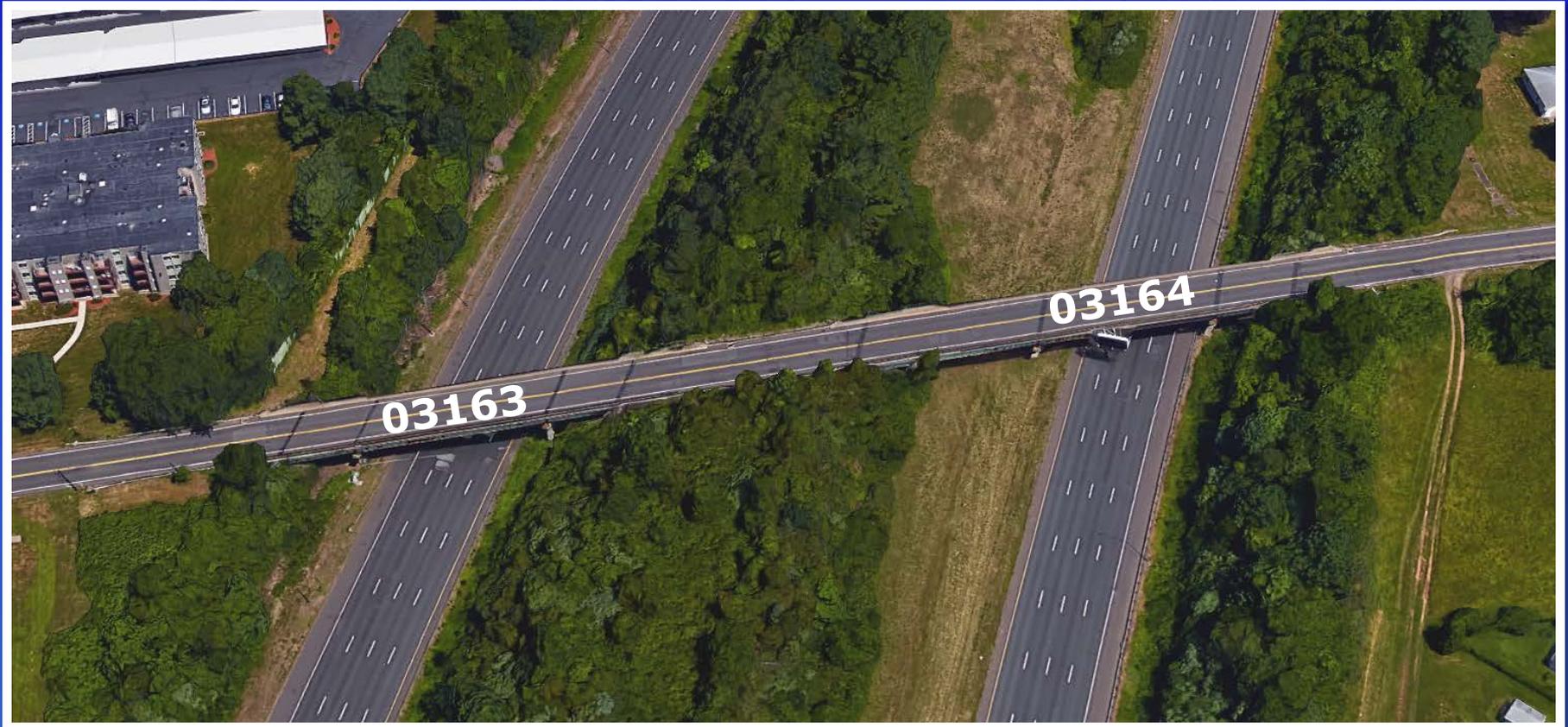


# Location Map

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# "Bird's Eye" View





**Route 160**  
*Looking West*

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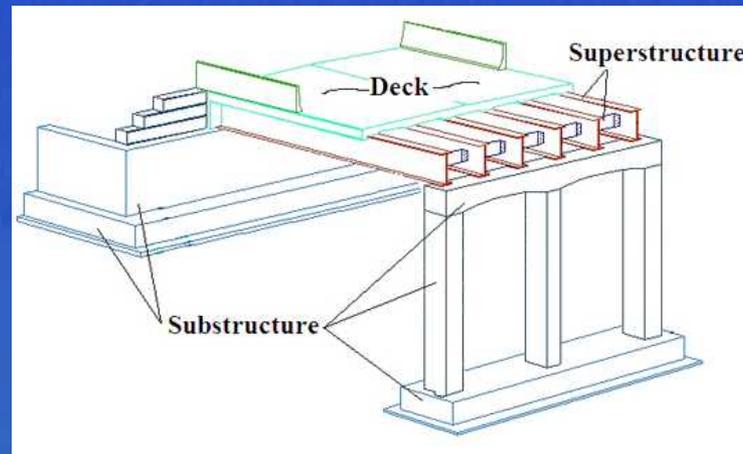
**I-91 Northbound**  
*Looking North*

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# Existing Bridge Description

- Structure Type (built in 1965)
  - Both structures consist of a 3-span, steel girder superstructure with a reinforced concrete deck supported by reinforced concrete substructure
    - 03163 – 193 ft long, 30 ft curb-to-curb
    - 03164 – 261 ft long, 30 ft curb-to-curb
- Carries one lane of Route 160 traffic in each direction over I-91
- Bridge separated by 130' median
- 2015 ADT = 9,500 (Rt. 160)  
= 147,000 (I-91)



# Existing Bridges



**I-91 Northbound**



**I-91 Southbound**

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# Reasons for Project



## Existing Conditions

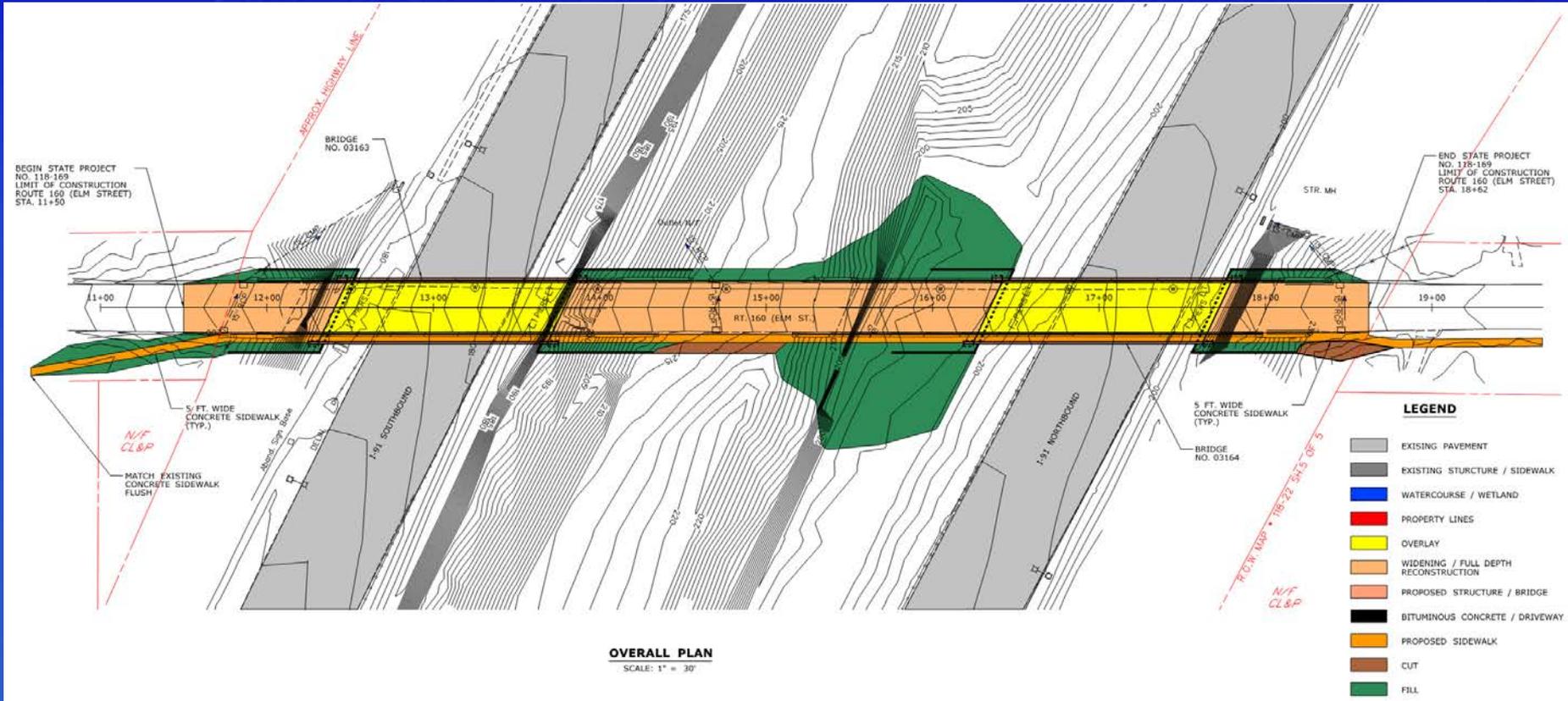
- Poor condition of structural steel
- Poor condition of bearings
- Substandard roadway width

# **Proposed Construction**

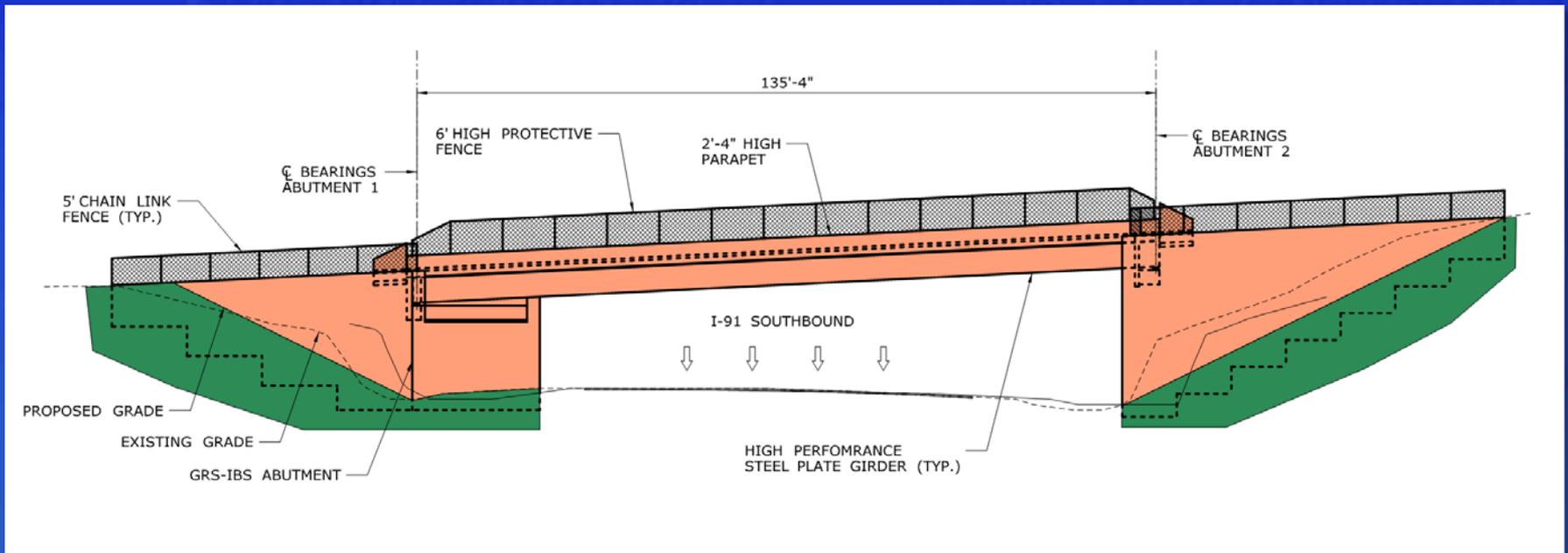
- Replace each existing bridge with single span steel superstructure supported by GRS-IBS abutments
- New abutments will be constructed behind existing piers to minimize impacts to I-91 traffic
- Widen roadway to accommodate (2) 12' lanes and (2) 4' shoulders, with 5' sidewalk on south side of Route 160 connecting to existing sidewalks



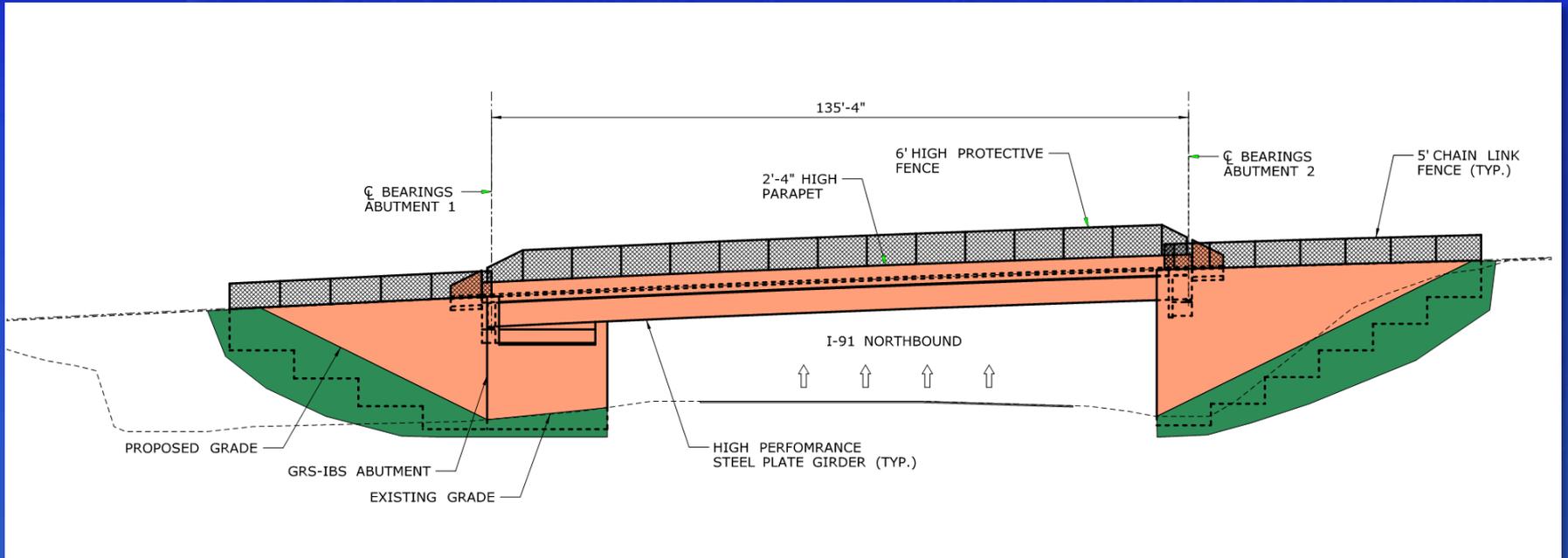
# Proposed Roadway



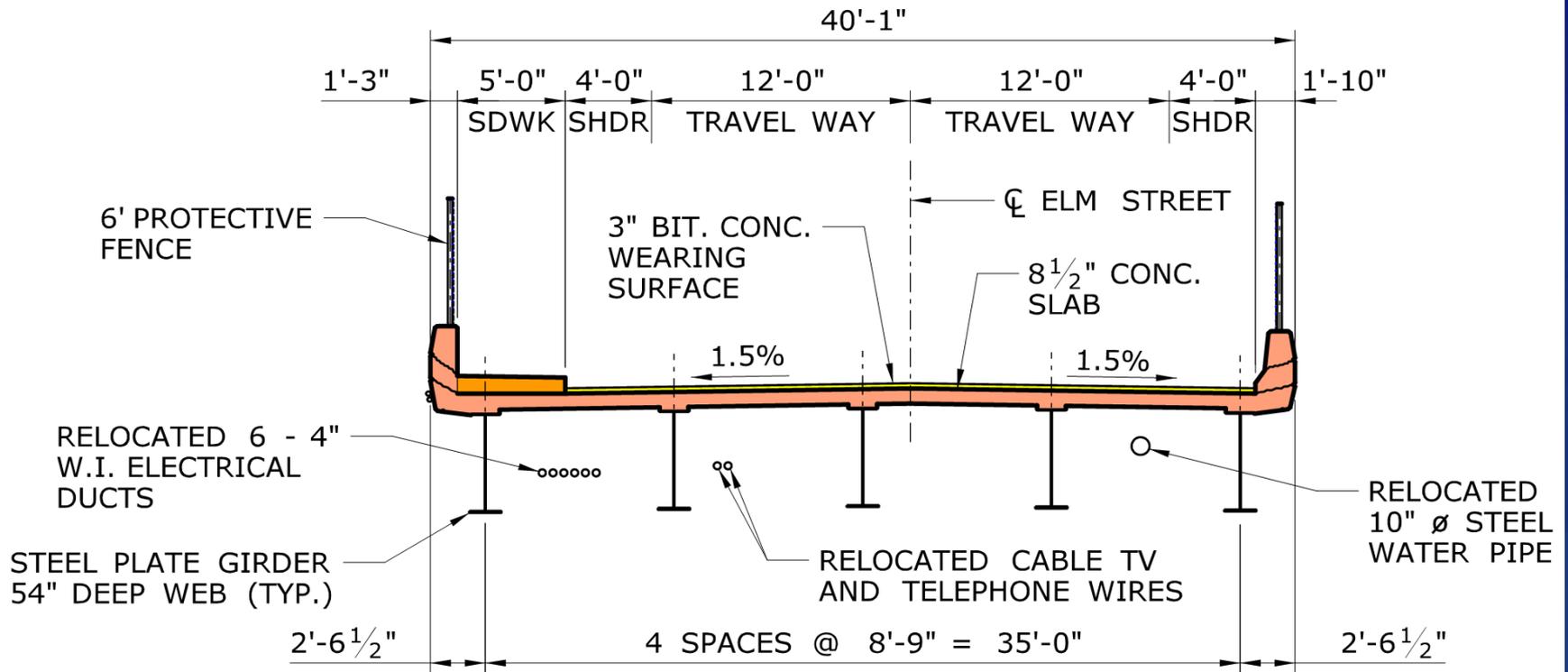
# 03163 Elevation



# 03164 Elevation



# Typical Cross Section



# Utilities

Underground utilities are present within project limits and supported on the bridge, and will be relocated to accommodate construction



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# Permitting/ROW

No environmental permits are anticipated for this project.

There are no private property impacts anticipated for this project.



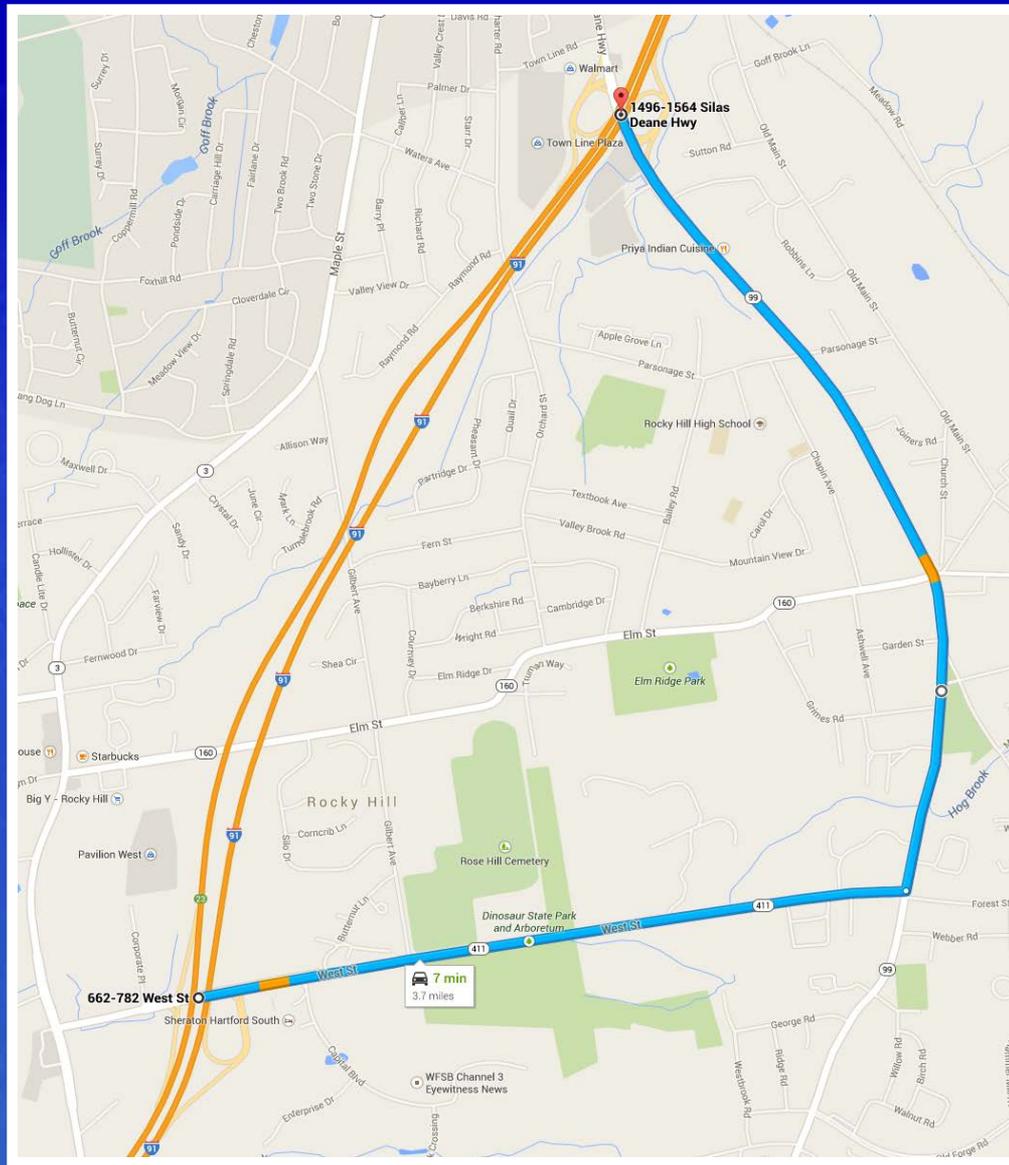
# **Construction Schedule**

- **Bridges to be installed using Accelerated Bridge Construction (ABC) - Self Propelled Modular Transporters (SPMT)**
- **2 month closure of Route 160 at project site during summer months**
- **Detour via West Street, Silas Deane Highway, and Route 3**
- **2 nighttime closures of I-91 (one direction per night)**
- **Detour via West Street and Silas Deane Highway**

**Prior to any roadway closures there will be additional public outreach**







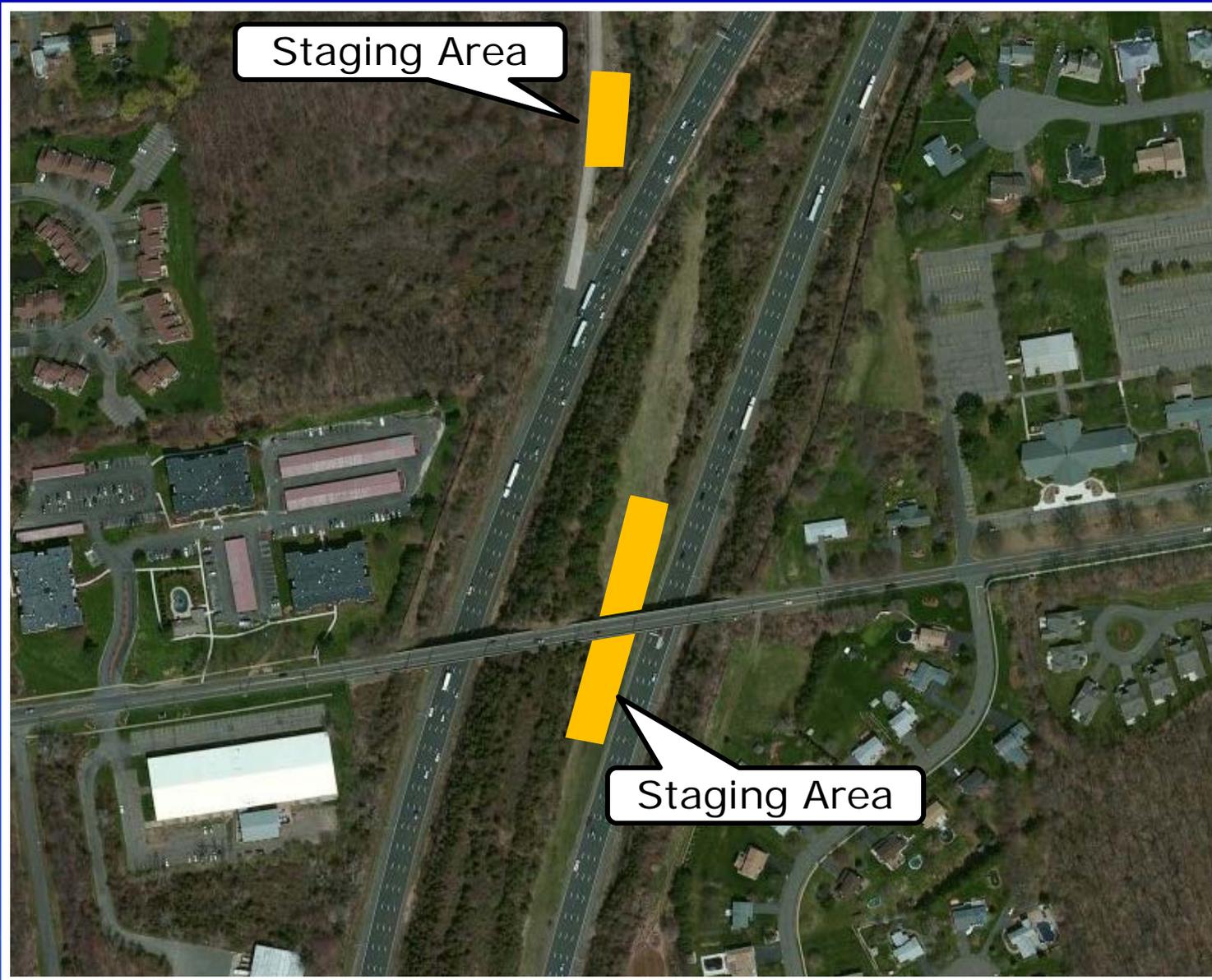
# Proposed Detour Route

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# *Self Propelled Modular Transporter*





## *Staging Areas*

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# **Project Schedule and Cost**

Construction is anticipated to begin in the spring of 2018 and be completed by the fall of 2018.

The estimated construction duration is approximately 9 months.

Construction Cost for this project is currently estimated at \$ 11,000,000 (80% Federal, 20% State Funds)

Town funds will not be used for this project



# **Contact Information**

- **CTDOT**

**Ms. Susan Morneault**

**2800 Berlin Turnpike, PO Box 317546**

**Newington, Connecticut 06131-7546**

**(860) 594-2447; [Susan.Morneault@ct.gov](mailto:Susan.Morneault@ct.gov)**

- **Close, Jensen and Miller, P.C.**

**Mr. Michael Woods**

**1137 Silas Dean Highway**

**Wethersfield, Connecticut 06109**

**(860) 563-9375; [mwoods@cjmpc.com](mailto:mwoods@cjmpc.com)**



***THANK YOU...***

***FOR YOUR TIME AND  
ATTENTION***



# Questions?

