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## American Recovery and Reinvestment Act 2009

**Project Description: Superstructure Replacement of Bridge No. 03852, carrying Hales Rd. over Metro – North Railroad in Westport**

**ARRA Project No. 0158-0200**



**East Elevation—Hales Rd. over Metro North**

### Project Scope:

The project will replace the superstructure and modify the substructure of the bridge carrying Hales Rd. over Metro-North in the Town of Westport. The bridge is currently closed to traffic because of its deficient load-carrying capacity.

The superstructure will be replaced with precast prestressed concrete box beams on reinforced concrete footings supported by concrete mini-piles cored through the existing abutments; this type construction will be used to accelerate the construction. The vertical clearance over the railroad will be increased to 18'-5 1/2".

The bridge will be widened from 25' to 32' to better accommodate current traffic volumes.

### Financial Sources (Construction only):

- \$2,398,309 Contractor's Bid
- 100% Federal ARRA funding

### Timeline:

- Awarded: August 14, 2009
- Start Date: September 27, 2009
- Forecasted Completion: November 25, 2010



### Challenges and Risks:

This bridge spans Metro North Railroad (MNRR). A large portion of the deck replacement activities will require partial or full railroad track outages. There are numerous overhead clearance issues with MNRR and utility cables. Limited staging areas adjacent to the project.

### Outlook:

Over the next month, Loureiro should begin the following activities; pressure grouting Abutment #2 then moving to Abutment #1. Once pressure grouting is complete on Abutment #2, Loureiro will begin the structure excavation at Abutment #2 for the installation of the Micro-piles and new abutment wall. Beginning the Micro-piles in mid January 2010.

### Recent Activity:

Construction activities commenced by performing the following; Mobilizing equipment, installation of signs, installation of a field office.

Loureiro has recently begun the removal of the bituminous wearing surface from the existing bridge deck; they have also begun the clearing of the brush surrounding the existing abutments and installation of sedimentation controls.