

## Rehabilitation of Hollow Tree Road

Darien, CT

### Project Description:

**Location**

Darien, CT

**Owner**

ConnDOT

**Duration**

2008 – Present

**Prime/Sub**

Prime

**Construction Cost**

\$5 million

This is a 200' long two span steel girder with concrete deck over I-95. The deck has received two major patching operations, and it and the structural steel are to be replaced. In addition, the entire superstructure is to be raised to increase clearance over I-95. This will require extending the existing abutments and center pier upwards about two feet. One abutment will require installation of tiebacks to increase resistance to overturning.

This is a heavily traveled bridge due to its proximity to the Metro-North Noroton Station. In the first stage, the bridge will be closed to vehicular traffic. Traffic will be detoured through several intersections requiring a temporary traffic signalization operation. Prior to the closing, several utilities that are in or over the bridge will be relocated. During this stage, the westerly half of the bridge will be demolished, the abutments and pier will be raised and the new bridge girders and deck will be constructed. At the conclusion of the first stage, the bridge will be reopened to two way traffic.

During the second stage, the easterly half of the bridge will be reconstructed. In both stages, raising of the bridge structure will require reconstructing the roadways at the bridge approaches. The project is expected to take 500 days to complete. The construction contractor is Mohawk Northeast, and the construction cost is \$5,160,000. Key issues are: Demolition/Construction over I-95; Stage Construction; Traffic.

AI Engineers, inc. is providing a Chief Inspector and mid-level Construction Inspectors for this project.



### Salient Features

- Construction Engineering & Inspection
- Contract Administration
- Construction Survey
- Utility Relocations
- Demolition And Replacement Of Superstructure Over Interstate 95
- Traffic Control