AI Engineers, Inc.

An Integrated Approach to Infrastructure Solutions

Reconstruction of Rose Hill Avenue Bridge

Danbury, CT

Project Description:

Location
Danbury, CT

Owner
City of Danbury

Duration
2008

Prime/Sub
Prime

Construction Cost
$2.1 million

AI Engineers, Inc. provided the construction engineering and inspection for the replacement of the stone arch bridge over the Still River and wingwalls with cast-in-place gravity abutments and prestressed deck unit superstructures, plus cast-in-place wingwalls. The structure is located in a commercial/factory area on an arterial roadway with sidewalks on both sides of the roadway. The bridge/wingwalls abut on one side by a parking lot both at grade and structure over the river. On the other side of the street, the bridge/wingwalls abut building foundations.

Additional construction included relocation of sanitary sewer with laterals, water main and buried electrical, telephone and cable lines. Approximately 600 feet of approach roadway was also reconstruction including a new storm drainage system. As this area was adjacent to a brown field site and soil test confirmed contaminated soil within the project limits, a waste storage/handling and disposed program was included in the project.

AI provided a full time chief inspector and as needed inspectors, prepared and maintained project books, reviewed and authorized monthly contractor payments and provided surveying services on an as need basis. AI reviewed all submittals, construction issues and change orders as required.

Salient Features

- Construction Engineering & Inspection
- Contract Administration
- Utility Relocations
- Handling Contaminated Soil
- Dealing with Underground Unknowns
- Construction Survey