

Rehabilitation of Bridge No. 02114

Meriden, CT



Client

The Connecticut Department of Transportation
State Project No. 079-235

Completed

2014 Design
2016 Construction

Description

Zuvic Carr prepared contract documents for the rehabilitation of the I-691 Bridge over Amtrak Yard and State Street in Meriden. The 426-foot bridge is a five-span structure built in 1970. It consists of prestressed concrete I-beams with a reinforced concrete deck supported by reinforced concrete abutments and piers.

Our scope of design included patching and partial reconstruction of the superstructure and substructure concrete components, replacing bituminous concrete overlay, waterproofing membrane and deck joints, full-depth deck reconstruction, repairing deck ends over abutments and piers, upgrading approach and median guiderails, replacing drainage system hangers, and lighting repairs.

Our design also included temporary I-691 realignment on both sides of the bridge, which carried 72,400 vehicles/day in 2013, and other maintenance and protection of traffic measures during construction. Zuvic Carr prepared the Transportation Management Plan for this significant project, pursuant to the CTDOT "Policy on Systematic Consideration and Management of Work Zone Impacts." The project was designed in accordance with the CT Department of Transportation and the Federal Highway Administration design standards. This project was completed in 2016 without any design-initiated change orders.