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**Project:** *Rehabilitation of the Capitol Avenue Bridge over the Rooster River Overflow*

**Location:** *Bridgeport, Connecticut*

**Owner:** *City of Bridgeport*

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**A.DiCesare Associates is performing Preliminary Design and Final Design Services for the superstructure replacement of Bridge No. 04194 carrying Capitol Ave. over the Rooster River Overflow for the City of Bridgeport. Bridge No. 04194 is a multi-girder steel bridge with a combination of reinforced concrete deck (center bays 5-8) and concrete filled grid deck (bays 2, 3, 9, and 10) flanked by a concrete sidewalk (bays 1 and 11). The center portion of the bridge (bays 5-8) is newer weathering steel stringers. The overall condition of this bridge is serious (rated 3), the condition of the concrete deck is poor (rated 4), the condition of the superstructure is serious (rated 3) and the condition of the substructure is fair (rated 5). The inspection frequency has been increased to 12 months and the sidewalk is closed due to the serious condition rating. Several of the stringers exhibit significant laminar rust and section loss in critical areas and the bridge has been load posted. The superstructure will be replaced and the substructure will be repaired.**

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