



Project: *Rehabilitation of the Devon Bridge*
Location: *Milford, Connecticut*
Owner: *Connecticut Department of Transportation*

A.DiCesare engineers provided the in-depth inspection, load rating analysis, scour susceptibility analysis and rehabilitation design service including life coast cycle analysis for the Devon Railroad Bridge.

The Devon Railroad Bridge is a seven-span twin through truss bridge with a Scherzer bascule span over the navigation channel of the Housatonic River. Built around 1900, the bridge is approximately 1,200 feet length and carries four mainline tracks of Metro-North light-rail commuter service and Amtrak along the Northeast Corridor.

Strain gage testing has been used to augment the analytical evaluation of the bridge by correlating calculated stress with stresses (strains) measured by continuous recording 292 gages of train traffic for a 12 hour period of time.

A.DiCesare Associates, P.C.