



I-293 EXIT 4 – 5 “RED-LISTED” BRIDGES Manchester, NH

CLIENT

New Hampshire Department of Transportation
7 Hazen Drive
P.O. Box 483
Concord, NH 03302-0483
(603) 271-2731

LOCATION

Manchester, NH

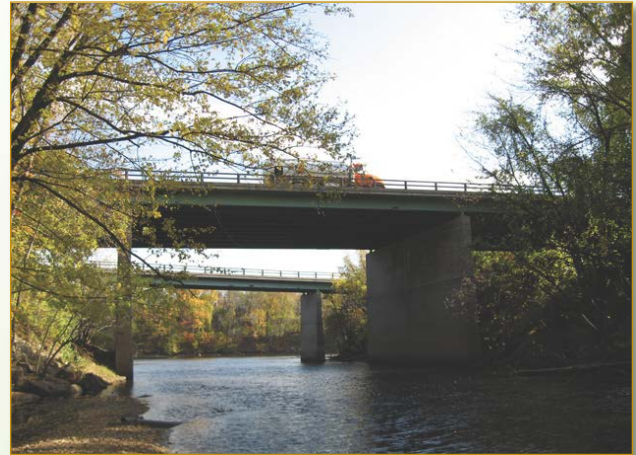
COST

Estimated Construction Cost: \$35 Million

DESCRIPTION

The goal of the project is to address the five red-listed bridges located near Exit 4 on Interstate 293 (I-293) in the Manchester Millyard area. All of the bridges have been recently inspected and were found to be structurally deficient. The current bridges and roadway have insufficient shoulders and a sub-standard horizontal alignment that present safety concerns. The complexity of the project is further heightened by the fact that I-293 is the major corridor accessing the central business district of the City of Manchester, as well as a major north-south commuter, tourist and business route; therefore, traffic functionality must be maintained during all phases of construction. The location of the project provides an additional challenge as it is bordered by the Merrimack River to the east and highly urbanized and historic area to the west.

The project involves the full replacement of four bridges and rehabilitation of one bridge. The bridges along the I-293 mainline will also be widened to the west to allow the current traffic functionality along the corridor during all phases of construction. The widening will also lend itself to correct the insufficiencies of the current horizontal alignment and provide improved shoulder and lane widths. In addition, the proposed widening will allow for an additional lane along the southbound barrel that will considerably help the merging/diverging traffic at the Exit 4 interchange. Enhanced and expanded lane configurations will be provided at ramp/surface street interfaces that can accommodate truck traffic. Improved drainage design with employment of Better Management Practices (BMP) will be a key attribute. Pavement resurfacing of the entire project area will also be incorporated.



- Conceptual Bridge and Highway Design Alternative Evaluation
- Structural Design
- Drainage Design
- Permitting
- Temporary Traffic Control