VERMONT
AGENCY OF TRANSPORTATION

Rockingham

Interstate 91 Bridges 24N and 24S

Rockingham Bridges 24N and 24S — IM 091-1(66)

Project Location: Town of Rockingham in Windham County on Interstate 91 over the Williams River and Green Mountain Railroad. The bridge is located approximately 1/4 mile north of Exit 6 on Interstate 91.

The Rockingham Bridge 24N and 24S project will replace the existing bridges, which are in poor condition, with two new bridges on the same alignment. The existing bridges are twin four span, two lane structures which were constructed in 1960-61 and rehabilitated in 1988. The bridges are 850-feet in length. The existing bridge superstructure (deck and beams) is composed of a steel deck truss, as well as a concrete slab, and are in poor condition with areas of significant concrete spalling and exposed rebar on the underside of the deck as well as areas of section loss in structural steel. Additionally, the existing bridges are narrow, only 30 FT wide, compared to the required 38 FT width of the standard Interstate.

This project is being contracted as a Design-Build project meaning a method of project delivery whereby a single entity is contractually responsible to perform design, construction, and related services. Design-Build teams will each submit Technical and Price Proposals which will then be scored by Vtrans based on the quality of the bridge concept. The team with the best combination of concept and bid price will be awarded the contract.

Vtrans has developed a Base Technical Concept (BTC) for this project consisting of two new Cast-in-Place Segmental Concrete Box Girder bridges, each 880 FT long. The two separate structures, while a similar construction method to the one currently being build in Brattleboro, will be two distinct bridges as shown below.

PROJECT MILESTONES

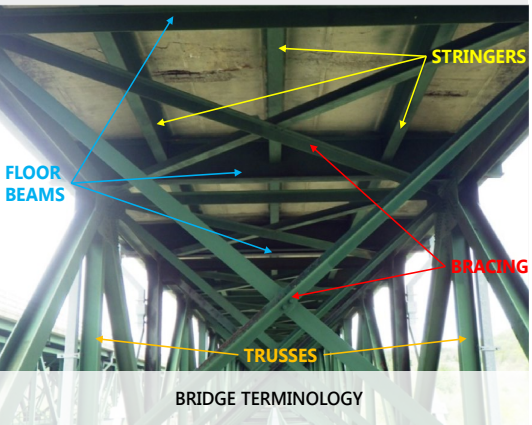
Request For Proposals (RFP) Released
November 2015

Technical Proposals Received
March 2016

Price Proposals Open
May 2016

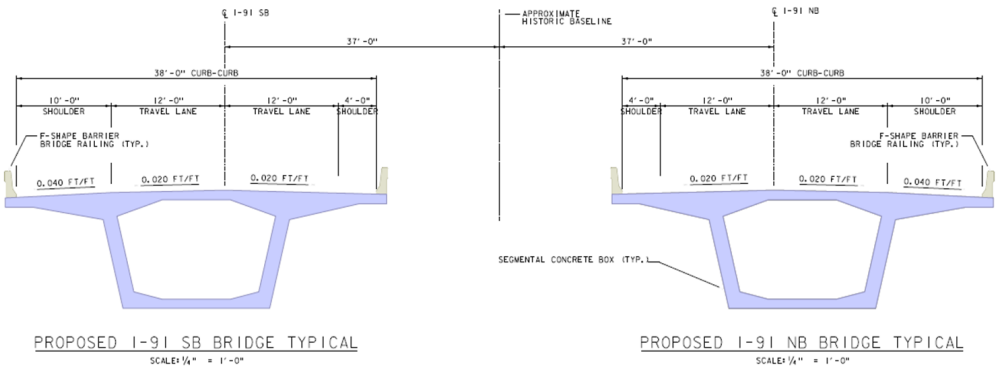
Contract Award
July 2016

Construction Schedule
April 2017-June 2020



BRIDGE TERMINOLOGY

Existing Steel Deck Truss



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Construction Schedule: Spring 2017 thru 2020.

Design Build Team: Reed & Reed, Inc./HDR Engineering Inc.

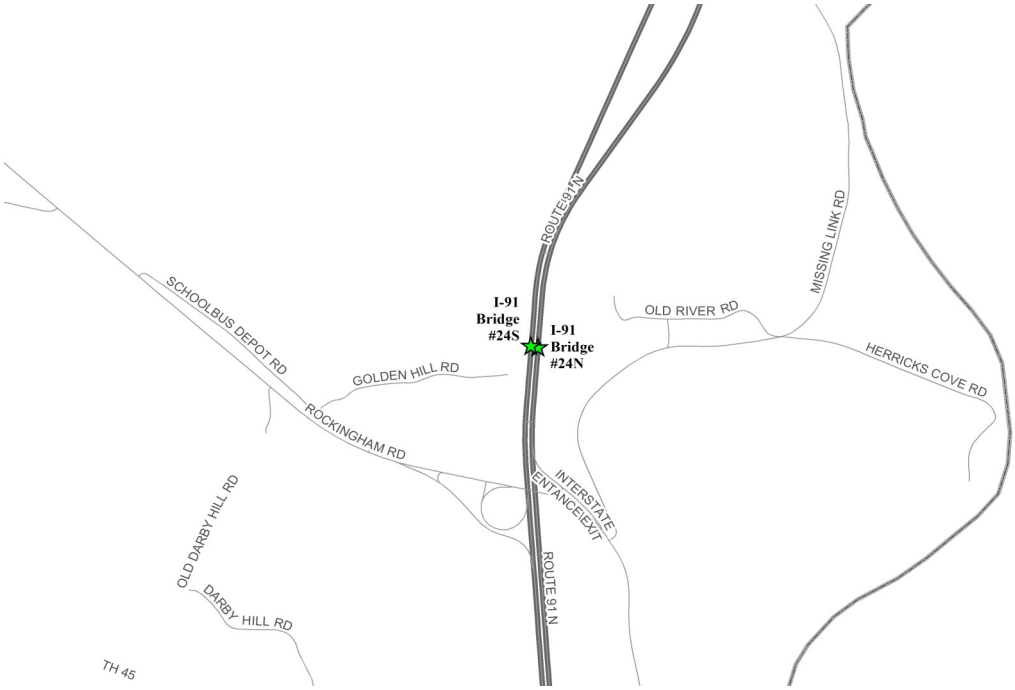
Cost: $44,300,000

VTrans Resident Engineer: Daryl Bassett

VTrans Project Manager: Douglas Bonneau, P.E.

Public Outreach Contact: Stephanie Barrett (802) 862-6085

Accommodations for Traffic During Construction: The bridges will be constructed in two phases with traffic being maintained on crossovers and one lane of traffic in each direction.



Location Map

Similar Bridge under construction

TYPICAL CONCRETE DECK DETERIORATION

Typical Pier Deterioration

https://www.facebook.com

https://twitter.com/511VT

For more details, click here.

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