



Irasburg

I-91 Northbound

Bridge 107N over TH-38, CRLRR, Barton River

Irasburg IM DECK(46)

Project Location: Town of Irasburg in Orleans County on I-91 over River Road, CRLRR and the Barton River. The bridge is located approximately 1.5 miles north of exit 26.

Bridge 107N, constructed in 1971, is a continuous haunched plate girder bridge with a cast-in-place deck. The bridge is owned and maintained the State of Vermont.

Bridge 107N has one span with severe deterioration in the deck which has been patched and paved from above. The intent of this project is to extend the serviceable life of this bridge in the most cost effective manner. In order to achieve this objective, the scope of work was limited to the bridge deck and bridge joints exclusively.

Since the existing bridge has a deck rating of 5 (Fair), a superstructure rating of 8 (very good), and a substructure ratings of 7 (good), this bridge was identified for the Bridge Deck Replacement Program. All projects included in this program received an abbreviated scoping effort that examined the feasibility of a deck replacement as opposed to a larger scope that could include either a superstructure or full bridge replacement. Bridge 107N was deemed as a good candidate for the Deck Replacement Program due to it's current condition and remaining life expectancy of the steel beams and abutments.

The new deck will be the same width as the existing bridge and feature a similar guardrail. Upon completion of the deck replacement, Bridge 107N is expected to remain in service for another 30 years.

All work will be completed during the summer of 2016. The bridge deck will be replaced while maintaining traffic on alignment using a reduced lane configuration and phased construction.

PROJECT MILESTONES

Permitting

Fall 2015

Final Design Complete

Fall 2015

Right-of-Way Complete

Not Applicable

Bid Advertisement

Winter 2016

Contract Award

Spring 2016

Target Construction Schedule

Summer 2016



Looking North Over Bridge

Target Construction Schedule: This project will be constructed during the 2016 construction season. The contract completion date is November 4th, 2016.

Contractor: J.P. Sicard, Inc.

Project Cost: \$2,127,991

VTrans Project Manager: Jennifer Fitch, P.E.

VTrans Resident Engineer: Seth Hisman

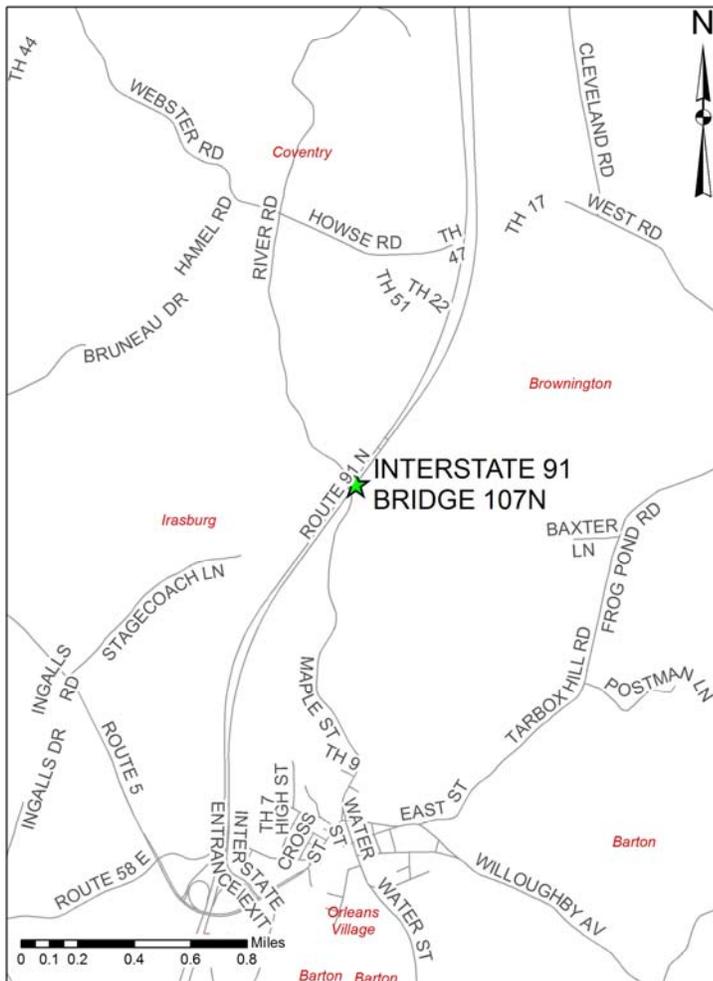
Maintenance of Traffic: The bridge will be open to a single lane using phased construction.



Efflorescence in Bridge deck



Efflorescence and Spalls



Bridge Location Map



<https://www.facebook.com>



<https://twitter.com/511VT>