



Jay

Route 242, Bridge 10

Jay BHF 0278(3)

Project Location: Town of Jay in Orleans County Route 242 over the Jay branch. The bridge is located approx. 1 mile west of the intersection with TH-1 Cross Road and 2.3 miles west of the intersection with VT Rt. 101.

PROJECT MILESTONES

Preliminary Plans
June 2014

Permitting
March 2015

Final Design
November 2015

Right-of-Way Complete
March 2016

Bid Advertisement
October 2016

Contract Award
December 2016

Target Construction Schedule
Summer 2017

The Jay Route 242 Bridge 10 was built in 1927 and re-built in 1964. It is a 28 foot span concrete T beam bridge with a width of 30 feet. This project will completely replace the existing bridge, including the foundations. The deck is in poor condition. Bridge 10 has an undersized hydraulic opening, which is the primary reason for a complete bridge replacement. There are also some undermining and scour problems.

VTrans evaluated alternatives for rehabilitation of this bridge in 2013 and presented the information in a Public meeting on October 20, 2013. The study assessed the proposed design criteria for the bridge and roadway alignment, right-of-way impacts, hydraulics and wetland and archaeological resources.

The new bridge will have a cast-in-place concrete deck, galvanized steel girder framing and a new concrete foundation supported on bedrock. The deck will provide two 11 foot lanes , 4 foot shoulders and new bridge rails for a total outside width of 34'-3". The span will be increased to approx. 50 feet to provide a larger hydraulic opening to better accommodate flooding events.

The existing bridge supports a 8" diameter sewage line, which will be bypassed temporarily and replaced along with a 16" diameter self supporting casing.

The project will be advertised in the Fall of 2016 and the bridge will be replaced during the summer of 2017, using a phased construction. The bridge will be replaced one side at a time. One way traffic will alternate use of the remaining side, utilizing flaggers and signal lights.



Jay Branch—Upstream of BR. 10

Target Construction Schedule: April –October 2017.

Contractor: TBD

Estimated Total Project Cost (including engineering and contingencies): TBD

VTrans Project Manager: Wendy Pelletier, PE

VTrans Resident Engineer: TBD

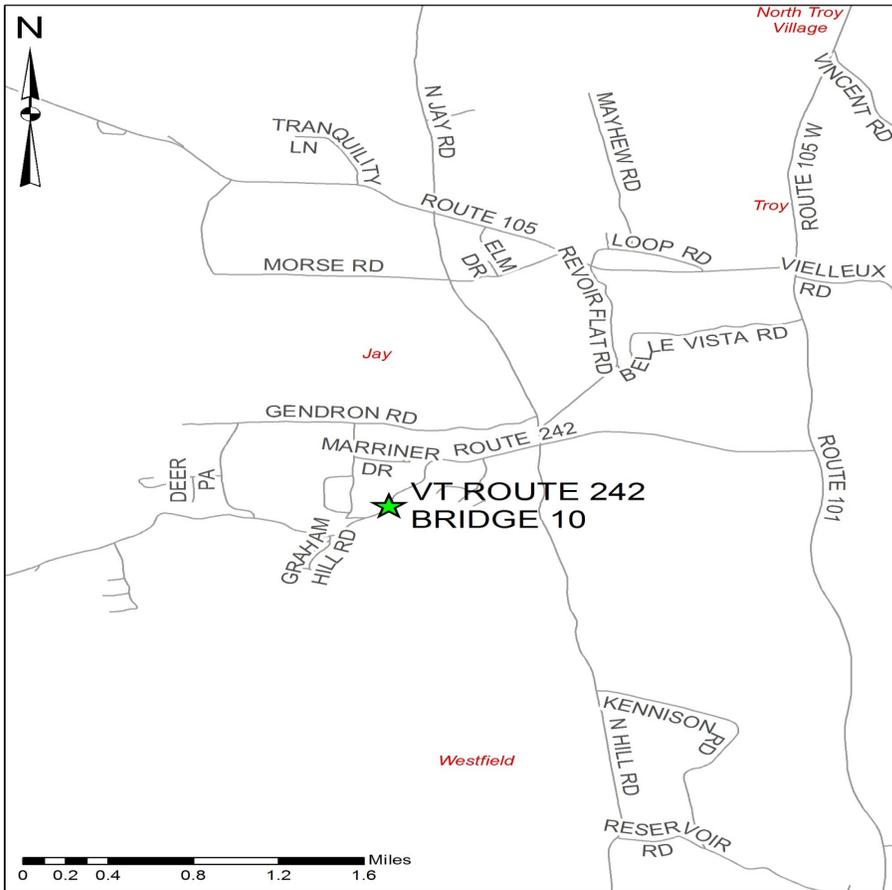
Traffic Control: Low traffic volumes allow for phased construction. One lane and shoulder of the new bridge will be built, while traffic uses the existing structure. Then traffic will be transferred to the new structure. The remaining half bridge will be demolished and replaced.



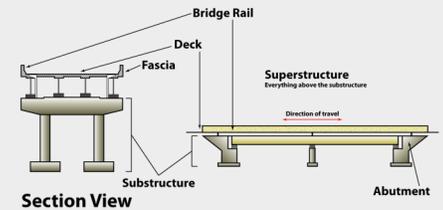
Sewage line on upstream face



Looking west on Route 242



Jay Bridge 10 Location Map



Generic Bridge Element Description



<https://www.facebook.com>



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