



Readsboro

VT Route 100, Bridge 25

Readsboro Bridge 25— BF 0102(16)

Project Location: Town of Readsboro in Bennington County on VT Route 100 over the Deerfield River. The bridge is located approximately 5.2 miles north of the intersection of VT Route 100 and VT Route 8.

PROJECT MILESTONES

Preliminary Plans	June 2016
Permitting	August 2017
Final Design	March 2018
Right-of-Way Complete	July 2018
Bid Advertisement	December 2018
Contract Award	January 2019
Target Construction Schedule	April 2019—Dec 2020

The Bridge 25 project on VT Route 100 in the Town of Readsboro consists of the replacement of the existing bridge, which is in poor condition, with a new bridge on a slightly improved alignment meeting all the current design standards. The existing bridge is a three span, continuous two girder bridge constructed in 1954. Bridge 25 is 340-ft in length with two, 105-ft spans and a 130-ft span. The bridge is structurally deficient with a very poor deck and superstructure condition.

VTrans evaluated alternatives for rehabilitation or replacement of Bridge 25 in an engineering study completed in October 2013. The study assessed the proposed design criteria for the bridge and roadway alignment, right of way impacts, hydraulics, and historical and archaeological resources. Several alternatives were considered for this project including no action, deck replacement, superstructure replacement, and full bridge replacement both on and off alignment. Due to the age and condition of the existing bridge it was determined that a full bridge replacement be performed.

The new 227-foot structure will be composed of a three-span bridge supported by six plate girders. The substructure will be composed of concrete cantilevered abutments at the bridge ends with two concrete piers supporting the various spans. Since the bridge has sufficient hydraulic capacity the new bridge will remove the significant skew that was on the old bridge and shorten the structure length. The new bridge will have two, ten-foot travel lanes with four-foot shoulders on each side and a sidewalk on one side of the bridge.

It is anticipated that the bridge will be constructed during the summer of 2019 and 2020. During construction traffic will be maintained on a temporary bridge on a new alignment connecting VT Route 100 to Depot Street.



Existing Bridge Elevation View



Target Construction Schedule: Construction activities will take place during two construction seasons between 2019 and 2020. It is anticipated that construction activities will begin in April of 2019 with the project being completed by December of 2020.

Contractor: TBD

Estimated Total Project Cost: TBD

VTrans Project Manager: Carolyn W. Carlson, P.E.

VTrans Resident Engineer: TBD

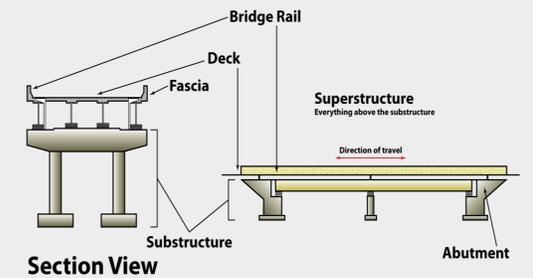
Detour Route: Traffic will maintained on a temporary bridge that will be built off alignment connecting VT Route 100 to Depot Street.



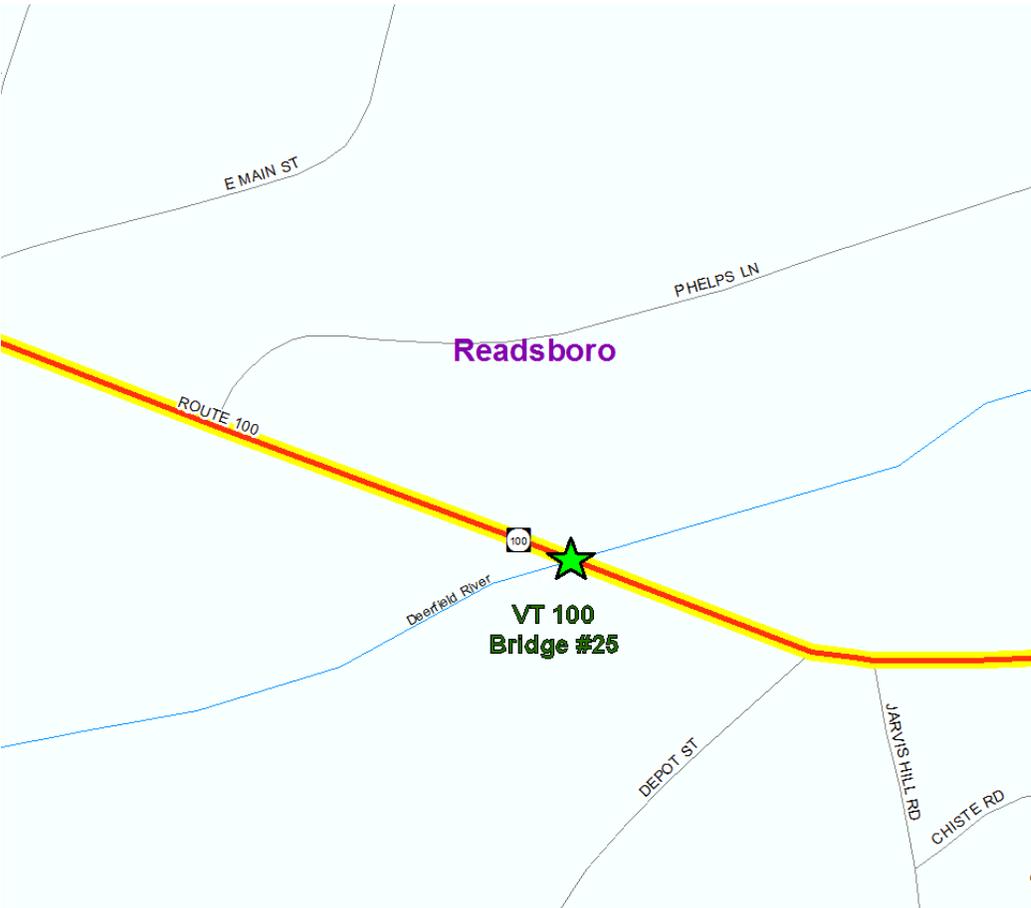
Exposed Rebar Underneath the Bridge Deck



Deterioration of the Beams and Connections



Generic Bridge Element Description



Bridge Location Map

For more details, click here.



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