



Dover

VT 100 Bridge 59

Dover Bridge 59 — BF 013-1(20)

Project Location: Town of Dover in Windham County on VT 100 over the north branch of the Deerfield River. The bridge is located approximately 280-feet north of the intersection of VT 100 and Country Club Rd (TH 9).

PROJECT MILESTONES

- Preliminary Plans
Summer 2015
- Final Design
Spring 2017
- Bid Advertisement
Fall 2018
- Contract Award
Spring 2019
- Target Construction Schedule
Construction Season '19

The Dover VT 100 Bridge 59 project will replace the existing bridge, which is in poor condition, with a new bridge on the same alignment. The existing bridge is a single span, two lane structure which was constructed in 1926 and widened in 1978. The bridge is 35-feet in length. The existing bridge superstructure (deck and beams) is composed of concrete t-beams, 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. Additionally, the existing bridge is hydraulically substandard and the existing bridge railing is not structurally adequate for modern design standards.

VTrans has evaluated various alternatives for the replacement of Dover VT 100 Bridge 59. The criteria assessed for the proposed design included the roadway alignment, right of way impacts, wetland and archaeological resources, aesthetic requirements, bridge railing, and hydraulics. Several alternatives were considered including no action, repair and rehabilitation, superstructure replacement, and full bridge replacement. Given the poor condition of both the superstructure and substructure components, it was recommended that a full bridge replacement be undertaken.

The new bridge will be composed of a paved concrete deck on steel girders. However, the new structure will be lengthened to approximately 65-feet and widened to feature a 6-foot multi-use shoulder in each direction. The new bridge railing will feature galvanized 3-rail box beam guardrail meeting state standards.

The new bridge will be constructed on the same alignment as the existing bridge, while maintaining vehicular traffic on a two-lane temporary bridge downstream of the existing bridge.



Exposed rebar on underside of deck



Target Construction Schedule: It is anticipated that construction activities will take place in 2019.

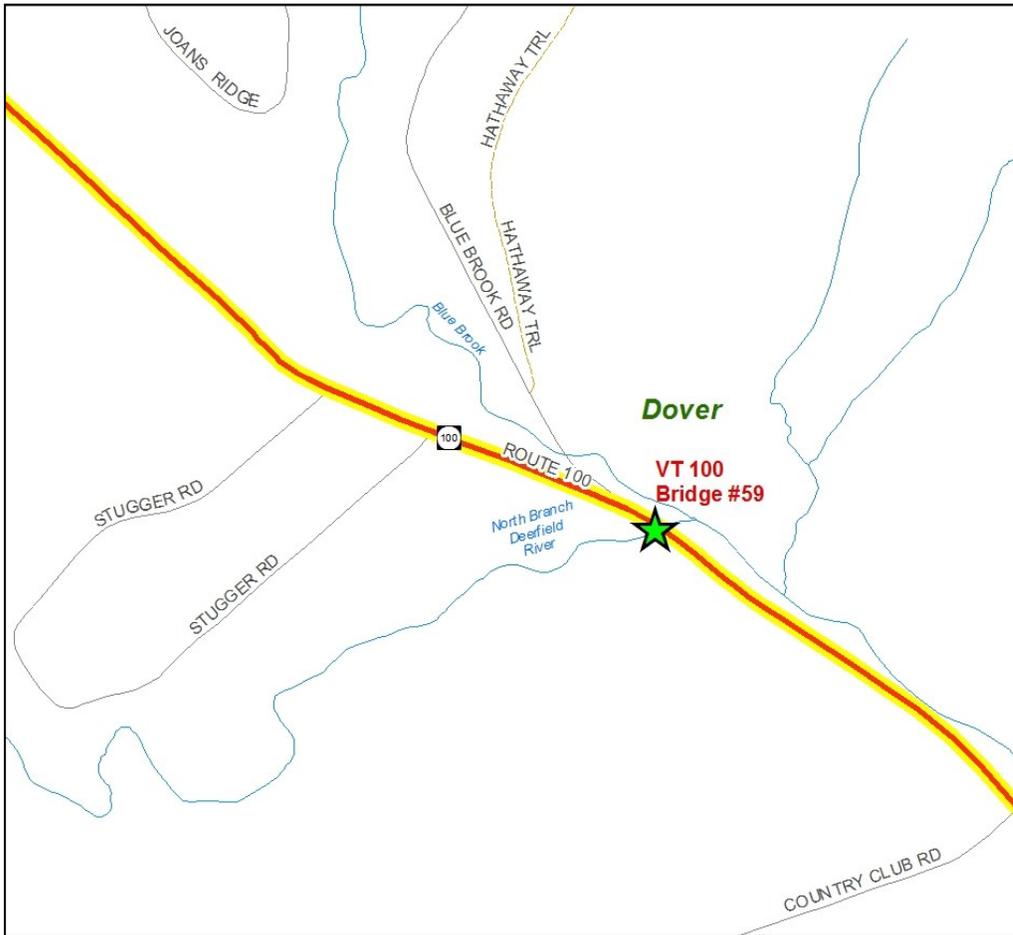
Contractor: TBA

Cost: TBA

VTrans Resident Engineer: TBA

VTrans Project Manager: Doug Bonneau, P.E.

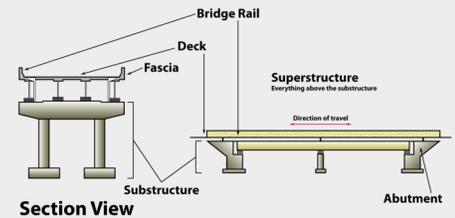
Accommodations for Traffic During Construction: A two-way temporary bridge will be constructed downstream of the existing bridge.



Deteriorating Wingwall



Minimal Hydraulic Capacity



Section View



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[For more details, click here.](#)

