



# Orleans Village

## VT Route 58 (Main Street/TH-1), Bridge 10

### Orleans Village BF 0310(7)

**Project Location: Village of Orleans in Orleans County on VT Route 58 over Barton River. The bridge is located approximately 0.4 miles east of the intersection of VT Route 58 and US Route 5.**

The Orleans Village VT Route 58 Bridge 10 project will replace the existing historic bridge, which has a substandard horizontal and vertical alignment and bridge railing, and is considered structurally deficient. The existing bridge is a historic Concrete T-Beam bridge constructed in 1933. The existing bridge is 46-feet long and 48.5-feet wide. The deck is in poor condition and is considered structurally deficient.

VTrans evaluated alternatives for rehabilitation or replacement of Bridge 10 in an engineering study completed in February 2015. The study assessed the proposed design criteria for the bridge and roadway alignment, Right-of-Way impacts, hydraulics, and historic resources. Several alternatives were considered including no action, superstructure replacement, full bridge replacement On-alignment, and full bridge replacement Off-alignment. Given the age of the structure, site constraints, current condition and safety concerns with the current alignment, a full bridge replacement Off-alignment was chosen to be the preferred alternative. The new bridge will be constructed during a bridge closure while maintaining traffic on an offsite detour.

The horizontal alignment through the project area will be brought up to the current standard in order to improve site distance around the curve. The new bridge will feature two 11-foot travel lanes with a 6-foot shoulder on the downstream side and a 4-foot shoulder on the upstream side. The new bridge will have a sidewalks on both sides in order to maintain the sidewalk network that currently exists. The bridge and roadway will feature railing that compliments the Orleans Village Historic District.

There will be an allowable 24 week road closure.

### Preliminary Plans

Fall 2016

### Permitting

Summer 2017

### Final Design

Summer 2018

### Right-of-Way

Summer of 2017

### Bid Opening

Spring 2019

### Construction Schedule

Spring and Summer of 2019



Looking East Over Bridge

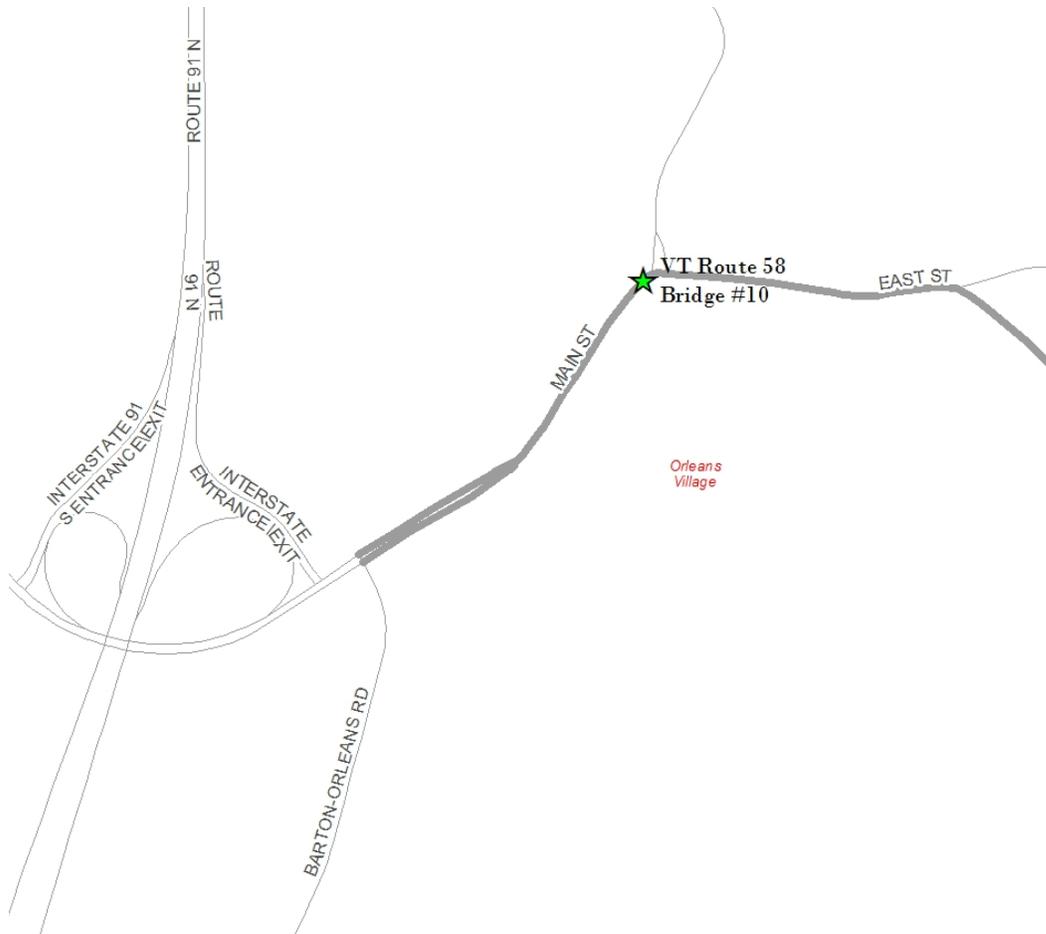
**Target Construction Schedule:** It is anticipated that construction activities will take place beginning in April/June 2020 and last one construction season. The bridge will be constructed during a bridge closure utilizing an offsite detour. The closure period for this project would be approximately 24 weeks.

**Contractor:** TBD

**Estimated Total Project Cost:** TBD

**VTrans Project Manager:** Douglas Bonneau, P.E.

**Detour Route:** The State of Vermont will work with the Village of Orleans to chose the preferred detour route. The offsite detour will be signed by the State of Vermont.



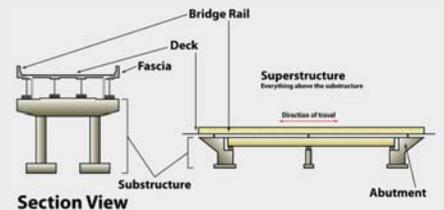
Bridge Location Map



Concrete Spalling



Upstream Western Retaining Wall



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For more information click [here](#)