



Montpelier

TH 130 (Cummings Street), Bridge 13

Montpelier Bridge 13 — BO 1446(36)

PROJECT MILESTONES

| | |
|------------------------------|--------------------------|
| Preliminary Plans | March 2015 |
| Permitting | May 2016 |
| Final Design | June 2016 |
| Right-of-Way Complete | September 2016 |
| Bid Advertisement | May 2017 |
| Contract Award | June 2018 |
| Target Construction Schedule | Fall 2018 - October 2019 |

Project Location: Town of Montpelier in Washington County on TH 130 (Cummings Street) over the North Branch of the Winooski River. The bridge is located approximately .045 miles east of the intersection of VT Route 12 and TH 130.

The Bridge 13 project located along TH 130 (Cummings Street) in the Town of Montpelier consists of replacement of the existing bridge, which is in poor condition and has a substandard width, with a new bridge on the existing alignment meeting all the current design standards. The existing bridge is a single span, rolled beam bridge constructed in 1928. Bridge 13 is 64-feet in length with a deck and beams that are in poor condition and in need of replacement.

VTrans evaluated alternatives for replacement of Bridge 13 in an engineering study completed in September 2013. The study assessed the proposed design criteria for the bridge and roadway alignment, Right-of-Way impacts, hydraulics, residential impacts, and historic and cultural resources. Several alternatives were considered for this project including no action, deck replacement, superstructure replacement, and full bridge replacement both on and off alignment. Given the age of the structure and structural deficiencies, the engineering study recommended full bridge replacement on alignment.

The new 85-foot structure will be composed of a single span, steel plate girder superstructure made up of 3 girders. This clearspan meets the hydraulic standard of passing the Q50 storm event with at least 1.0-foot of freeboard, and meets bank full width requirements. The girders will be designed to carry the existing waterline across the river. The substructure will be composed of one concrete abutment on a spread footing and the other abutment on piles. The bridge will have two nine-foot lanes with two-foot shoulders on each side with updated guardrail, which meets Vermont State Design Standards.

It is anticipated that the bridge will be constructed during the summer of 2019. Traffic through the project site will be maintained with a temporary bridge north of the existing bridge.



Existing Bridge Elevation View



Target Construction Schedule: Construction activities will take place during the summer of 2019. It is anticipated that construction activities may commence in the Fall of 2018 for installing the temporary bridge with the project being completed by October the following year.

Contractor: TBD

Estimated Total Project Cost: TBD

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

VTrans Resident Engineer: TBD

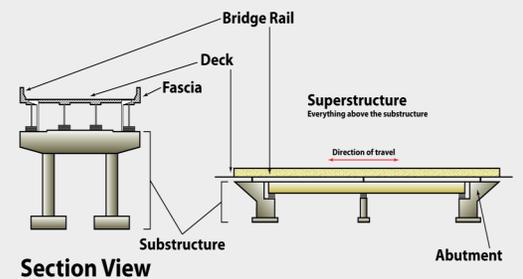
Detour Route: Traffic will be maintained on a temporary bridge north of the existing bridge that will allow traffic to flow freely past the construction of the new bridge.



Poor Condition of the Bridge Underside

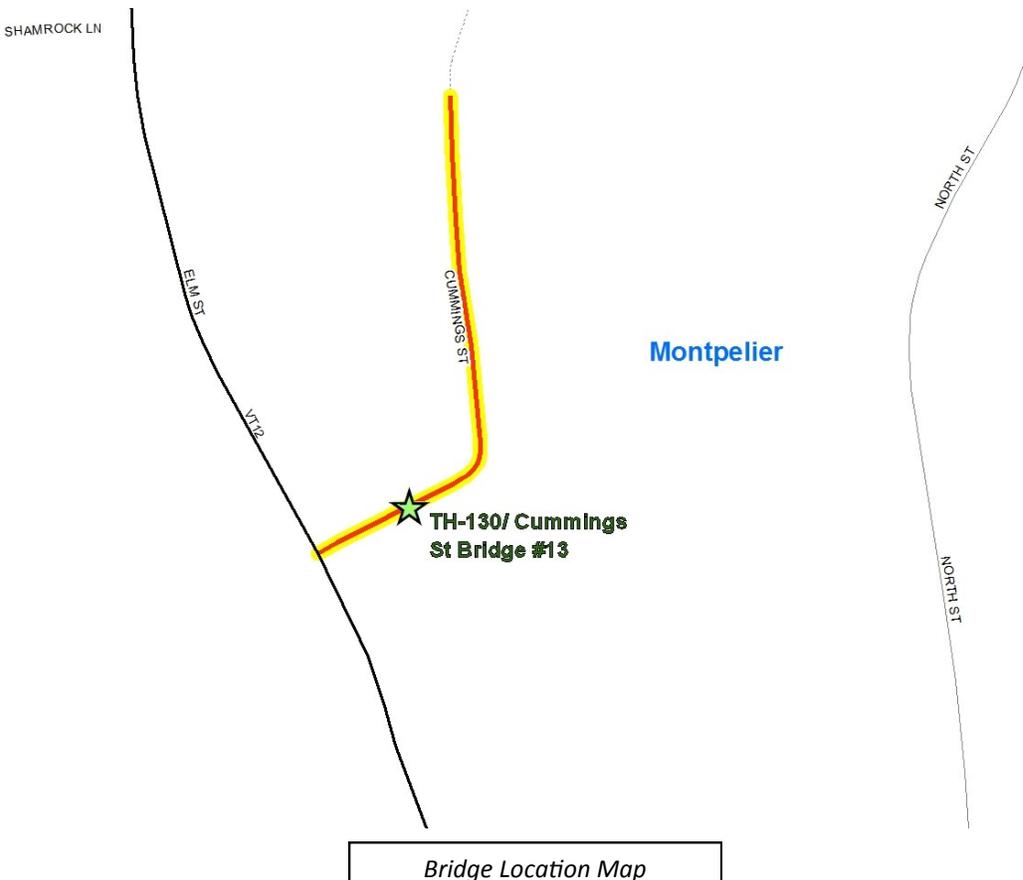


Bridge Abutments



Section View

Generic Bridge Element Description



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



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