



Looking west

PROJECT MILESTONES

Permitting

Fall 2016

Final Design Complete

Winter 2016

Right-of-Way Complete

Not Applicable

Bid Advertisement

Fall 2017

Contract Award

Fall 2017

Target Construction Schedule

Summer 2018



Looking East

Killington

US Route 4 Bridge 33

Killington BF 020-2(42)

Project Location: Town of Killington in Rutland County on US Route 4 over the Ottauquechee River. The bridge is located approximately 1.0 mile west of the intersection of US Route 4 and VT Route 100 in the Town of Bridgewater.

The Killington BF 020-2(42) Bridge 33 project will replace the existing bridge, which has substandard shoulder widths, non-crash-tested approach and bridge railing, and is considered structurally deficient with a new bridge that meets current design standards. The existing bridge structure is a single span cast-in-place deck on rolled beams constructed in 1956. It is approximately 69-feet in length and 29.8-feet wide. The bridge deck is in poor condition. There are concerns with full depth holes occurring in the near future.

VTrans evaluated alternatives for replacement of Bridge 33 in an engineering study completed in November 2014. The study assessed the proposed design criteria for the bridge and roadway alignment, right-of-way impacts, hydraulic capacity, and environmental and cultural resources. Several alternatives were examined including bridge rehabilitation and replacement along with several traffic maintenance options including a short term bridge closure, phased construction and a temporary bridge. The Scoping Report recommended replacing the entire bridge structure with traffic maintained on an offsite detour during a 10 day short term road closure. This innovative approach minimizes impacts to the adjacent wetlands, essential wildlife habitat, and archeological resources as well as minimizes traffic disruptions while increasing the safety of the traveling public and construction workers.

The new bridge will be constructed of prefabricated bridge components founded on internal abutments to facilitate rapid replacement. The new bridge will be 73 feet in length and 40 feet wide including two 12-foot travel lanes and two 8-foot shoulders. The new bridge will feature a 3 rail box beam bridge rail with a box beam approach rails terminating beyond the bridge.



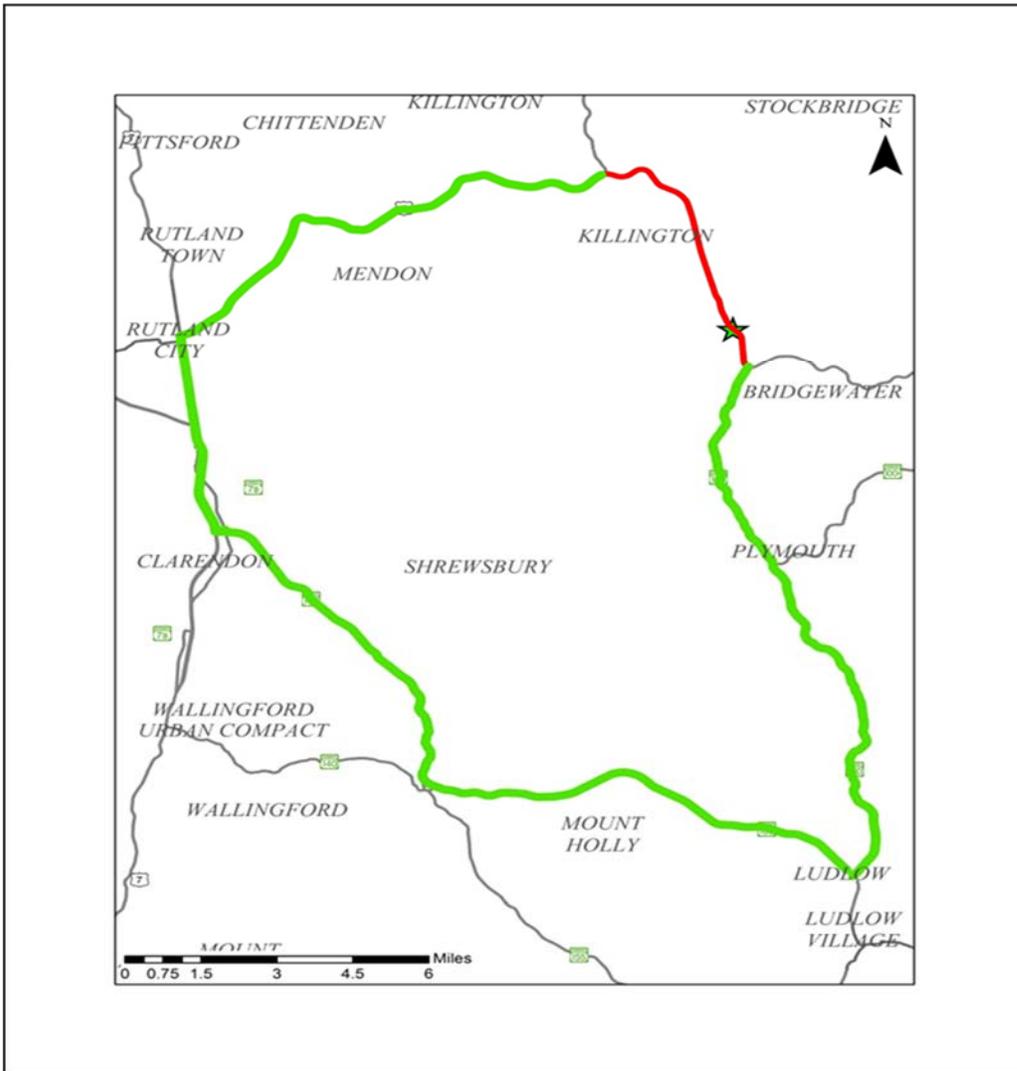
Target Construction Schedule: The bridge will be replaced during the 2018 construction season.

Contractor: TBD

Cost: TBD

VTrans Project Manager: Jennifer Fitch, P.E., Structures Project Manager

Detour Route: Head south on VT 100 from the intersection of VT 100 and US 4. Turn right onto VT 103 in Ludlow. Follow VT 103 west to US 7 in Clarendon. Follow US 7 north and turn right onto US 4 in Rutland. Follow US 4 to VT 100 in Killington. Turn left onto VT 100.



Detour Map



Deck Deterioration



Looking Southwest



Deck Fascia Deterioration



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