



VT14 Bridge

EAST MONTPELIER

VT 14 BRIDGE PROJECT, EAST MONTPELIER (BRIDGE 68)

Project Location: Village of East Montpelier in Washington County, Vermont, at the junction of VT Route 14 and US Route 2.

Project Purpose: The Vermont Agency of Transportation (VTrans) will replace the VT 14 Bridge over the Winooski River in the village of East Montpelier and make improvements on US 2 near the bridge. Built in 1938, the two-span steel and concrete structure is in deteriorated condition and it does not meet current design standards.

The new bridge will be wider, expanding from two to three lanes. A new traffic signal will be installed at the intersection of VT 14 and US 2 to aide left turns from the bridge onto Route 2. VTrans will also add a left turn lane on US 2 to both ease movements onto the bridge and to improve traffic flow on Route 2. About 900 feet of US 2 will be resurfaced as part of the bridge replacement project. Sidewalks will be constructed on the bridge as well as along Route 2.

Replacing the VT 14 Bridge is a complex project. Traffic volumes on Route 2 are high, about 15,000 vehicles daily. Any interference with traffic during peak travel times would result in very long traffic delays. Additionally, existing rigid concrete pavement slabs under US 2 roadway need to be removed, new drainage pipes and culvert installed, and telecommunications and power lines must be either tunneled underground or moved.

Traffic volumes, impacts on local businesses, residents and regional travelers were key considerations for the Agency’s approach to the project. The construction method selected will utilize a temporary bridge upstream of the existing bridge to carry traffic while the deteriorated bridge is demolished and replaced with a new bridge. This approach, combined with reconstructing US 2 at night, will limit the need for road detours. VT 14 will be closed a maximum of 14 days in 2018.

To accelerate construction of the project, drainage pipes and telecommunication conduits have been installed under US 2 and a retaining wall was built near the junction of VT 14 and US 2. In 2017, Route 2 will be fully reconstructed, with most of the work completed at night, and a temporary bridge will be installed. In 2018, the existing VT 14 Bridge will be demolished and a new bridge built in the same place and opened to traffic by mid-December.

In the spring of 2019 the temporary bridge will be removed, the project site restored, and final paving and crosswalks completed.



PROJECT MILESTONES

Preliminary Planning

2014 – 2016

US 2 Reconstructed

2016 – 2017

New Bridge Installed

Fall 2018

Project Completed

Spring 2019



PROJECT AT A GLANCE

PROJECT INFO

VTrans Project ID
BRF 037-1(7)

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2016 Preliminary Reconstruction of US 2

- » Drainage outlets installed
- » Telecommunications and drainage pipes installed under US 2
- » Retaining wall constructed



2017 US 2 Reconstructed

- » Concrete underlying road removed
- » Drainage constructed
- » Two left-turn lanes built at bridge (not operational until bridge opens)

Temporary Bridge Installed

- » Trees removed
- » Abutments built
- » Temporary bridge installed



2018 VT 14 Bridge Replaced

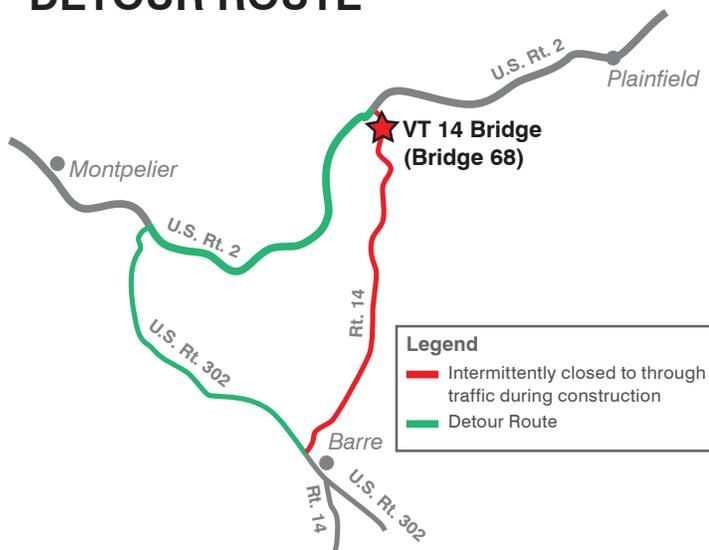
- » Maximum 14-day closure of VT 14
- » New signal and left turn lanes operational when bridge opens
- » Final paving and line striping of US 2
- » New bridge installed



2019 Project Wrap-Up

- » Temporary bridge removed
- » Site restoration complete

DETOUR ROUTE



VT 14 will be closed intermittently a maximum of 14 days during 2018.