



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.

vt14emontpelier.vtransprojects.vermont.gov



PROJECT MILESTONES

Preliminary Planning

2014 – 2016

Right-of-Way Negotiated

2015 – 2016

Early Release Work Completed

Late Fall 2016

Project Advertised

March 2017

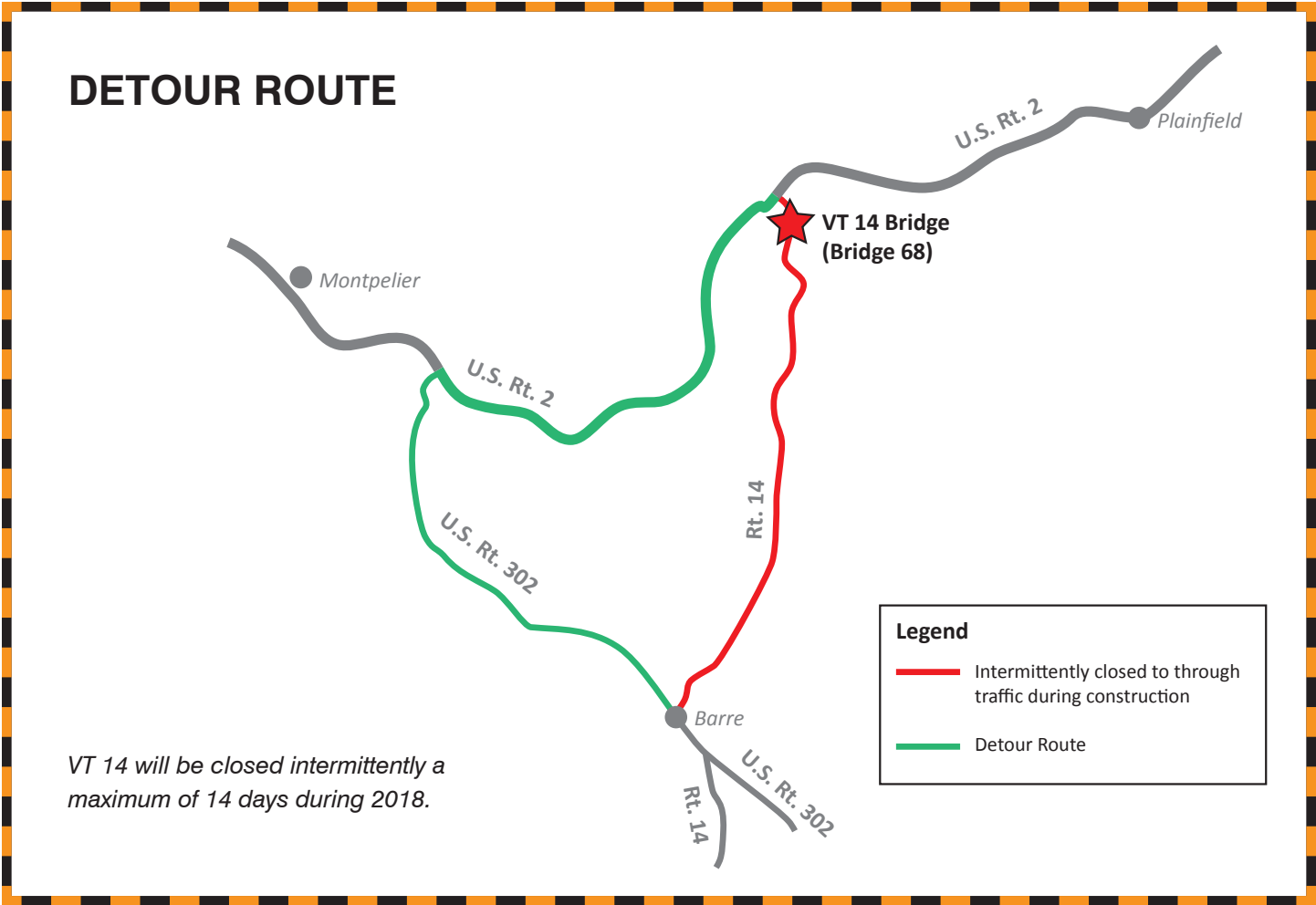
New Bridge Completed

Late Fall 2018

Project Complete

Spring 2019





PROJECT DETAILS

VTrans Project ID:

BRF 037-1(7)

VTrans Project Manager:

Mark Sargent

Consultant Design Manager:

Stantec

VTrans Resident Engineer:

Chris Barker

Project Outreach Coordinator:

Jill Barrett
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Project Information:

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BRIDGE DESIGN

The bridge will be designed using accelerated construction methods, such as pre-cast concrete deck panels, that will allow the structure to be built in one construction season. It will be supported by two concrete piers with steel caps.



The railing on the new bridge will be concrete, with recessed panels that mimic “windows” in the railing. The style of the new railing is sensitive to history – to the current bridge and its location within the East Montpelier Village Historic District.