


Middlebury

VT 125 BRIDGE 13

Middlebury RS 0174(8) – Bridge 13 – VT 125 over Middlebury River (Sand Hill Bridge) Bridge Replacement Project

Project Location: Town of Middlebury in Addison County on VT 125 over the Middlebury River. The bridge is located approximately 1.5 miles east of the intersection of US 7 and VT 125.

The Middlebury VT 125 Bridge 13 project will replace the existing bridge, which was built in 1924 and is now in poor condition and considered substandard based on current design standards. The design of the new bridge increases the curb-to-curb width of the bridge from 24' 6" to 36' to accommodate wider travel lanes, shoulders and sidewalk.

The project was developed in three phases, following VTrans' Project Development Process: Phase A: Project Definition, Phase B: Project Design, and Phase C: Construction. During the Project Definition phase, VTrans collected data, documented survey and utility information, and conducted project scoping to define the project parameters. A public information meeting was held on January 25, 2012 to share this information with the public and receive public input. During the Project Design phase, VTrans studied alternative bridge design types, and prepared the final design and construction documents. A public information meeting was held on August 6, 2012 to present the preferred alternative to the public.

To address aesthetic requirements and geological concerns, the new innovative bridge structure selected is a precast NEXT Beam Bridge over a Precast Arch. In addition, the new structure will feature a five foot sidewalk to allow for easier access to both sides of the gorge and a steel/ concrete combination bridge rail. The offset from the existing outer edge to the new outer edge is 3' downstream and 10' upstream.

The final design addressed public comments concerning impacts. The VT 125 roadway alignment will be shifted approximately 6' to the east to avoid impacts to recreational resources and archaeologically sensitive areas and to reduce impacts to adjacent properties, trees and vegetation. This revised alignment also results in improved drainage, reduced construction time and construction costs.

The bridge will be replaced using Accelerated Bridge Construction ("ABC") methods, a means of rapidly constructing the bridge by building major bridge components apart from their final location and installing them quickly using heavy lifting equipment such as cranes. ABC techniques minimize construction-related impacts by moving as much work out of the roadway as possible. Weather permitting, VTrans will secure the work zone by closing a portion of VT Route 125 within the work area and establish the detour route. Then the contractor will demolish the existing structure and the new bridge will be constructed. The anticipated duration of the detour route will be 45 days beginning sometime between the middle of April to the beginning of May. Stakeholders will be notified in advance of the closure.

PROJECT MILESTONES

- ▶ Preliminary Plans
June 2012
- ▶ Permitting
October 2012
- ▶ Final Design
April 2013
- ▶ Right-of-Way
June 2013
- ▶ Bid Advertisement
September 2013
- ▶ Contract Award
November 2013
- ▶ Preconstruction
February 2014
- ▶ Construction
April/May 2014

CONTRACTOR

- ▶ T. Buck Construction

COST

- ▶ \$2,654,984



Rochester / Middlebury / Warren BRIDGE PROJECTS

Middlebury VT 125 BRIDGE 13

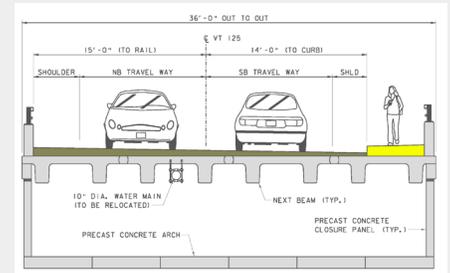
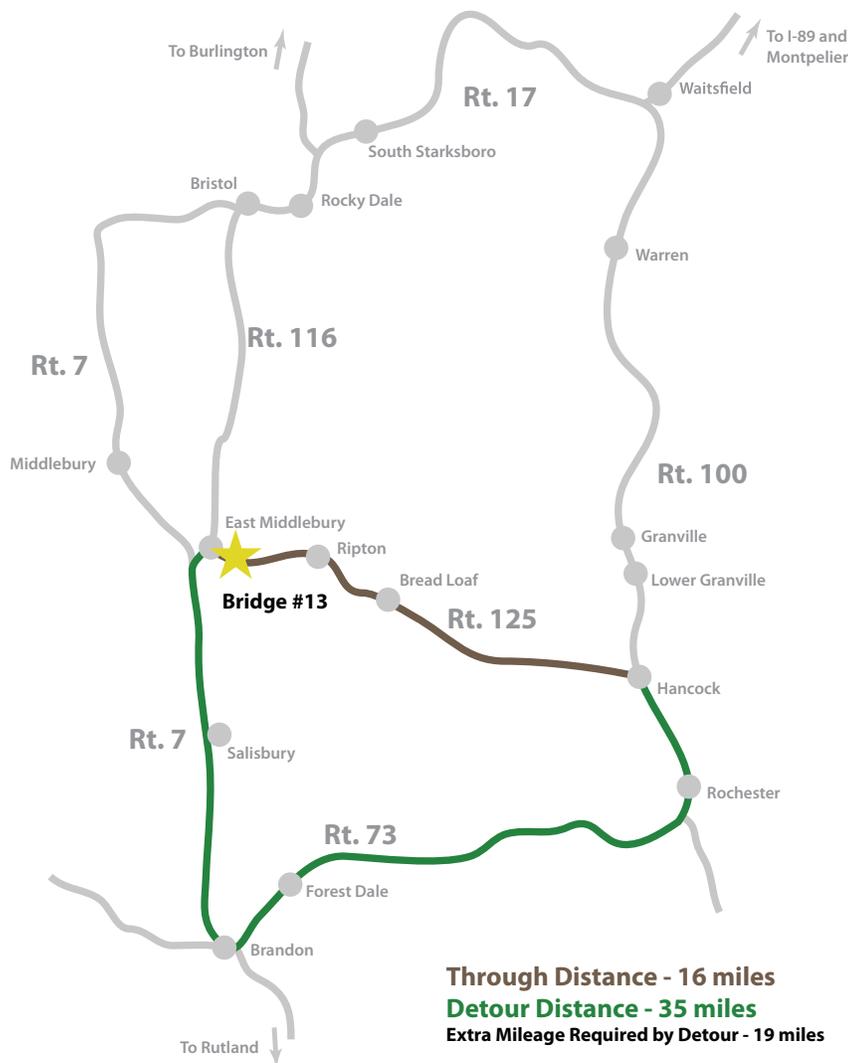
Detour Route:

From the West:

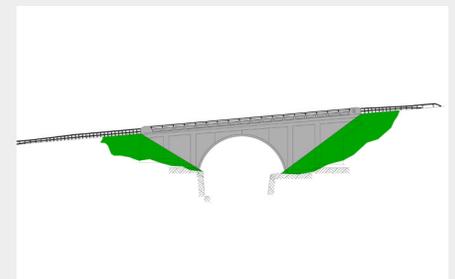
On RT 125 drive 1.5 miles west to Route 7. Drive south on RT 7 for 13 miles, turn left onto RT 73 east for 17, drive north on RT 100 for 5 miles, and then turn left onto RT 125.

From the East:

Drive 14.5 miles east on 125 towards Hancock. Turn right and drive south on RT 100 for 5 miles, turn right onto 73 west for 17 miles, turn north on RT 7 for 13 miles.



Bridge Section



Bridge Type Elevation

LEARN MORE

▶ www.rmw.vtransprojects.vermont.gov

▶ Info Hotline: (802) 496-3376



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