



Rochester/Middlebury/Warren BRIDGE PROJECTS

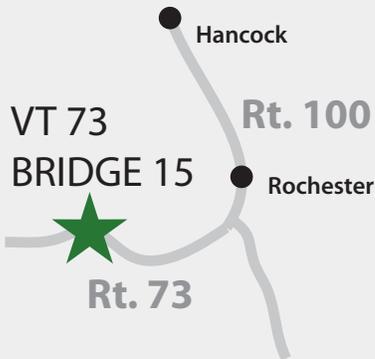


Rochester VT 73 BRIDGE 15

“Fast Four on 73”

Rochester Bridge 15 – BRF 0162(16)

Project Location: Town of Rochester in Windsor County on VT 73 at Brandon Brook. The bridge is located approximately 4.0 miles west of the intersection of VT 73 and VT 100.



PROJECT MILESTONES

- ▶ Preliminary Plans
Fall 2012
- ▶ Permitting
Fall 2012
- ▶ Final Design
Spring 2013
- ▶ Right-of-Way Complete
Spring 2013
- ▶ Bid Advertisement
Late Summer 2013
- ▶ Contract Award
Fall 2013
- ▶ Target Construction Schedule
Sequenced throughout 2014

The Rochester VT 73 Bridge 15 project will replace the existing bridge, which has a sub-standard width and is in poor condition, with a new bridge that meets current design standards. The existing Rochester VT 73 Bridge 15 is a single span, two lane structure which was constructed in 1929. The bridge is 43-feet in length and 23-feet wide. The bridge superstructure (deck and beams) components are in poor condition. There are areas of spalling and chipping on the fascias and underside of the concrete beams and the bridge deck is in need of replacement. The bridge is a historic structure and located in a historic district.

VTrans evaluated alternatives for replacement of Rochester VT 73 Bridge 15 in an engineering study completed in July 2013. The design addressed the proposed design criteria for bridge and roadway alignment, right of way impacts, hydraulics, historical and archaeological resources, historic aesthetic requirements, and turning radius.

The new bridge will be a Precast Prestressed Concrete NEXT Beam Bridge, which has a relatively short construction period and comparatively low construction and maintenance costs. The new bridge will be 65 feet in length and 34 feet wide featuring an extra wide seven foot eastbound shoulder and flared corner on the southeast side of the bridge to facilitate the movement of truck traffic. The new bridge will feature a combination concrete and steel bridge rail (“Tenney Rail”), based on the design of the historic bridge railing. Traffic signs, specialty pavement markings and an intelligent warning system will be placed on the approach to the bridge to alert drivers to the sharp curve.

The bridge will be constructed with Accelerated Bridge Construction methods, which will expedite construction and reduce disturbance to the public. There will be temporary single lane closures during the installation of the substructure and paving operations and a weekend road closure during the demolition of the existing structure and installation of the superstructure.





Rochester

VT 73 BRIDGE 15

Target Construction Schedule: Construction activities will take place beginning in June 2014. The allowable bridge closure period is one 84 hour period (6:00 p.m. Thursday to 6:00 a.m. Monday) between July 10, 2014 and July 28, 2014. The interim completion date is 14 days following the bridge closure period which includes all work with the exception of seeding and mulching. The contract is scheduled to be completed by October 31, 2014.

Contractor: The Contractor for VT 73 Bridge 15 is W. M. Schultz Construction, Inc.

Cost: The four bridge projects in Rochester (VT 73 Bridge 13, VT 73 Bridge 15, VT 73 Bridge 16, and VT 73 Bridge 19) are being completed as a single construction project. Bids were opened on October 25, 2013 and the low bidder was W. M. Schultz Construction, Inc. at \$6.4 million.

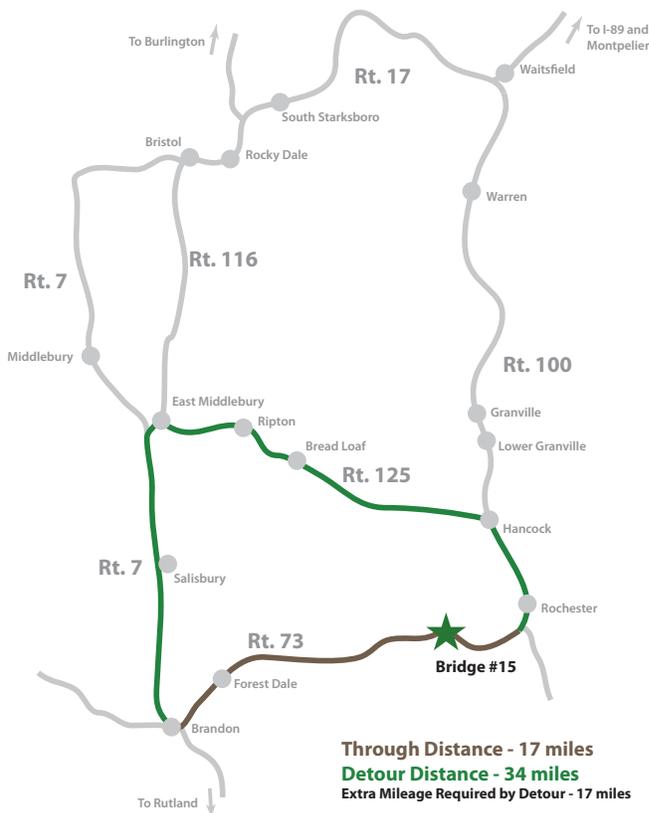
Detour Route: During construction, traffic will be rerouted on Route 100/Route 125/Route 7.

From the East:

Drive 4 miles east on VT 73. Turn left on VT 100 and drive 5 miles north. Turn left onto RT 125 in Hancock (The Old Hancock Hotel is at this intersection). Follow RT 125 for approximately 16 miles into East Middlebury. Turn left on to Route 7 south for 13 miles will take you back to VT 73 West.

From the West:

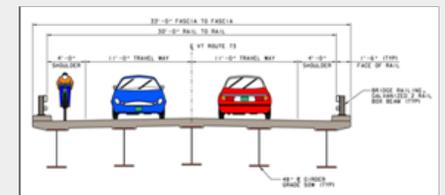
Drive 13 miles west on RT 73 to Brandon Village. Take RT 7 north for 13 miles, turn right on RT 125 east for 16 miles, and drive 5 miles south on VT 100 will take you back to VT 73.



Existing Conditions



Bridge Rail



Bridge Cross Section

LEARN MORE

▶ www.rm.w.vtransprojects.vermont.gov

▶ Info Hotline: (802) 496-3376



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