Project Factsheet May 2014

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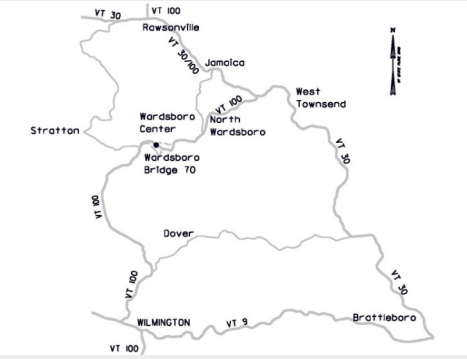

PROJECT MILESTONES

Preliminary Plans
- December 2013

Permitting
- January 2014

Final Design
- February 2014

Right-of-Way Complete
- Pending

Bid Advertisement
- April 2014

Contract Award
- June 2014

Target Construction Schedule
- Late Summer 2014

Metal Pipe Culvert

Wardsboro VT Route 100 Bridge #70 – BF 013-1(21)

Project Location: Town of Wardsboro in Windham County on VT 100 over an unnamed brook. The bridge is located approximately 7.7 miles south of the intersection of VT 100 and VT 30 in Jamaica.

The Wardsboro VT 100 Bridge 70 project will replace the existing metal pipe arch culvert, with a new precast concrete box culvert that meets current design standards. The existing culvert was built in 1957 and is 8'-10" wide by 6'-1" high. The new culvert is 14' wide by 6' high.

The Vermont Agency of Transportation evaluated alternatives for replacement of Wardsboro VT 100 Bridge 70 and presented the replacement plan at a public forum on September 17, 2013. A second public forum was held on February 4, 2014 as a result of accelerating the project delivery to coincide with a paving project scheduled for this summer. The road closure plan was presented at this meeting and endorsed by the Selectboard. Closing the road at the bridge reduces conflict with the paving project and limits impacts to the traveling public. The design addresses the span and height required to allow for adequate hydraulic passage. As a result of the increased width of the new culvert, the water way area has nearly doubled. The new concrete box culvert is sized so the roadway will not be overtopped during a 100 year storm event.

The new bridge will be a Precast Concrete Box Culvert, which has a relatively short construction period and comparatively low construction and maintenance costs. The roadway typical section over the box culvert is two 11' lanes with 3' shoulders. The new guardrail is a W-Beam guard rail common to VT roadways.

The bridge will be constructed this summer using Accelerated Bridge Construction methods, which will expedite construction and reduce disturbance to the public. The Road is scheduled to be closed at the culvert over one weekend starting on Friday at 6:00 pm and concluding by Monday morning at 6:00 am. The contractor has several weekends to choose from between July and the middle of September to complete the installation of the new culvert. The contractor will provide the Agency with the scheduled weekend for the closure well in advance of construction. Construction activities will be taking place prior to and after the closure in order to complete the project on time.

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Target Construction Schedule: Construction activities will take place beginning in July 2014. The allowable bridge closure period is one weekend (Friday evening through Monday morning) in late July, August or September. Due to scheduling conflicts and variable weather patterns, the contractor has 7 weekends to choose from for the closure. The contract is scheduled to be completed by October 16, 2014.

Contractor: TBD.

Cost: TBD

Detour Route: During construction, traffic will be rerouted onto VT30 and VT 9.

From the North on VT 100S:

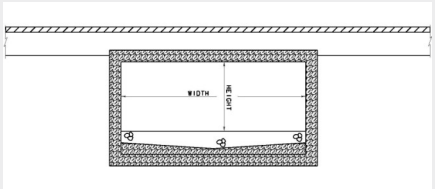
Stay Straight on VT 30S in Jamaica. Continue on VT 30S to the intersection of VT 9W in Brattleboro. Take a right onto VT 9W and continue to the intersection of VT9 and VT 100S in Wilmington. Take a left onto VT 100S

From the South on VT 100N:

Turn Right onto VT 9 in Wilmington. Stay on Route 9 until the intersection of VT 9 with VT 30/US5 in Brattleboro. Turn Left on VT 30/US5/VT9 and follow VT 30N signs. Continue on VT 30 which becomes VT30/100 in Jamaica.

VT 100 Looking North towards Stratton

VT 100 Looking south towards Wardsboro.



Typical Concrete Box Culvert

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