



US 5 Looking North

PROJECT MILESTONES

Design-Build Project

Bid Advertisement

August 2013

Design-Build Contract Award

May 2014

Target Construction Schedule

Summer 2014—Spring 2016



US 5 Looking South

Ryegate

US Route 5 Bridge 116 and WACR Culvert 27E

Ryegate STP CULV (10)

Project Location: In the Town of Ryegate, Vermont along Manchester Brook at its intersection with US Route 5 (US 5) and the Washington County Railroad (WACR). The culvert is located approximately 4.6 miles north of the intersection of US 5 and US 302.

The Ryegate CULV(10) project will replace existing culvert carrying Manchester Brook under US Route 5 (US 5) and Washington County Railroad (Railroad). US Route 5 is a two-lane highway paralleling Interstate 91 with a posted speed limit of 50 mph and a 2008 AADT of 820 vehicles per day. The Railroad is owned and operated by Vermont Rail System runs parallel to US 5 from Newport to White River Junction. Manchester Brook flows approximately 150 feet of length through the 50-foot high US 5 embankment and approximately 185 feet through the 60-foot high Railroad embankment. The US 5 culvert (8' x 6') and Railroad culvert (5' x 2') were constructed around in 1930 and 1914, respectively. The culverts are hydraulically undersized and the debris rack and debris blockage further reduce the waterway area. Water overtopped US 5 in the fall of 2006.

VTrans evaluated alternatives for replacement of the culvert in an engineering study completed in March 2011. The design criteria for the culvert was developed in consideration to right of way and utility impacts, hydraulics, historical and archaeological resources. VTrans decided to procure this project using under design-build method.

The culvert will be a constructed along a slightly different alignment from the existing and will consist two separate structures one for US Route 5 and another for the Railroad. The existing culvert will be used to maintain the Manchester Brook flows during construction and will be plugged when the new culvert become operational.

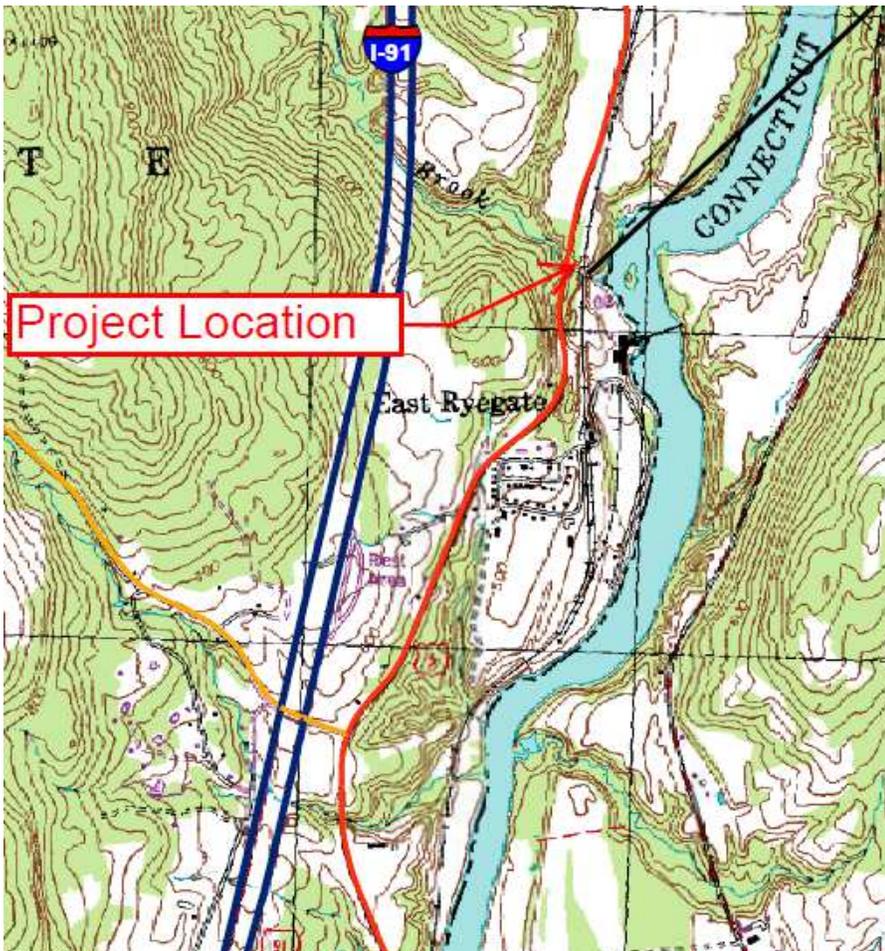
The contractor will allow at least one way traffic during the culvert installation and paving operations. More information on traffic management will be available during Summer 2014.



Target Construction Schedule: The design and construction activities will begin as early as June 2014, following authorization of Administrative Submittals by VTrans. The contract is scheduled to be completed by June, 2016.

Design-Build Team: Engineers Construction Inc.. – Dubois & King Inc.

Cost: The design-build cost is approximately \$ 15.2 million.



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