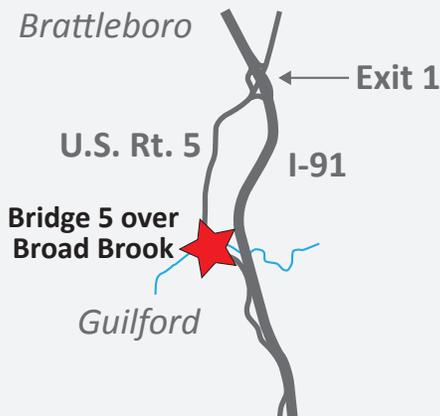




US ROUTE 5, BRIDGE 5 OVER BROAD BROOK



Project Location: Town of Guilford in Windham County on US Route 5 approximately 1.5 miles south of the intersection with I-91, exit 1.

Project Purpose: This project will completely replace Guilford Bridge 5, a State-owned bridge in the Village of Algiers, Guilford. The project is expected to cost about \$2.7 million. The existing bridge, a single span, 53 foot long, 23 foot wide, concrete T-beam bridge built in 1925 is structurally deficient and substandard in width and geometry. The substructure is in poor condition and the bridge superstructure is only in fair condition.

The Vermont Agency of Transportation (VTrans) evaluated alternatives for replacement of Bridge 5 in an engineering study completed in October 2013. The study assessed the proposed design criteria for the bridge and roadway, Right-of-Way impacts, hydraulics, and impacts to potential environmental and cultural resources. Several alternatives were considered including no action, rehabilitation, and full bridge replacement. Given the age of the structure and existing deficiencies, the engineering study recommended full bridge replacement with a single span bridge using Accelerated Bridge Construction methods.

The new bridge will be comprised of a prefabricated superstructure. On the south end, prefabricated integral abutments supported by driven piles will be installed. At the north end, prefabricated abutments will be placed on bedrock.

The width of the new bridge will be 37 ½ feet curb to curb with two 11-foot travel lanes, two 4-foot shoulders and one 5 ½-foot sidewalk. [see reverse side] Currently the travel lanes are 10-feet wide. The shoulder are only one foot wide and there is no sidewalk. The Route 5 bridge will be about 35 feet longer, spanning 85 feet. The new bridge will meet roadway standards, including strength, width, horizontal and vertical alignment, and hydraulics.

The bridge will be constructed during the summer of 2017. It will be **CLOSED for a 4-week period**. There will be temporary single lane closures three weeks prior to and two weeks following the bridge closure period.

www.us5bridgeguilford.vtransprojects.vermont.gov

PROJECT MILESTONES

Final Design Completed

Spring 2016

Project Advertised & Contractor Selected

Fall 2016

Construction begins

Spring 2017

New Bridge Constructed & Project Completed

Summer 2017



PROJECT DETAILS

VTrans Project Manager: Robert Young, PE

Consultant Design Manager: David Kull, PE

Public Outreach Coordinator: Jill Barrett

VTrans Project ID: Guilford BF 0113(68)

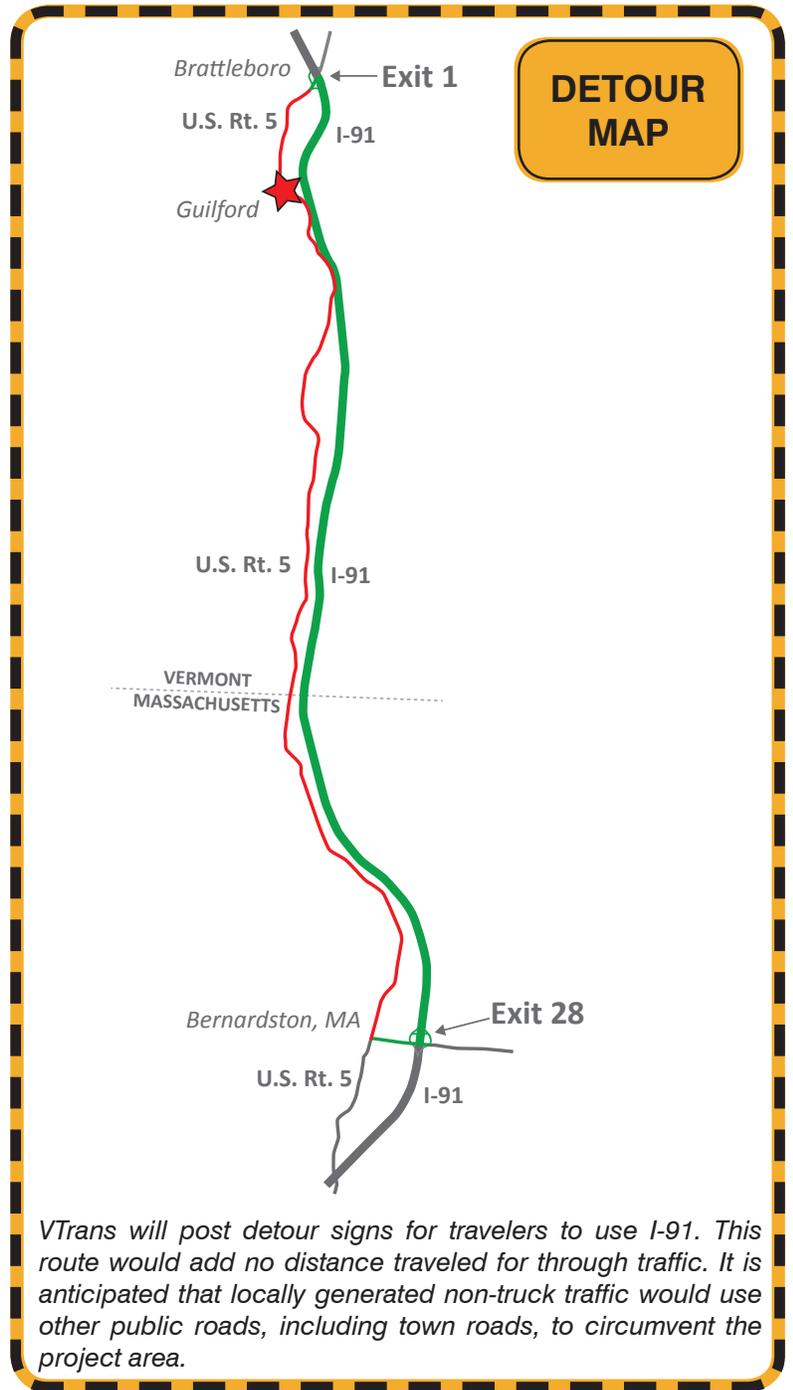
Project Information: (802) 272-1248



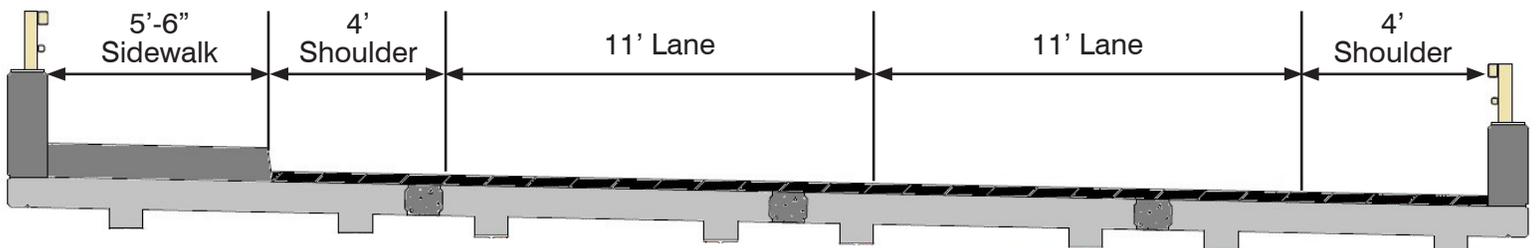
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PROPOSED BRIDGE



The new bridge will be longer and wider, with a new sidewalk. Wider, four-foot shoulders will provide more room for bicyclists.