



## PROJECT MILESTONES

### Preliminary Plans

June 2014

### Permitting

August 2014

### Final Design

June 2015

### Right-of-Way Complete

June 2015

### Bid Advertisement

October 2015 - November  
2015

### Contract Award

December 2015

### Target Construction Schedule

April 2016 - September 2016



*Existing Bridge Cracks and*

# Craftsbury

## Town Highway 4, Bridge 4

### Craftsbury BO 1449(34)

**Project Location: Bridge 4 is spanning across Whitney Brook along a rural section of Creek Rd (TH 4) approximately 2 miles from the intersection with South Craftsbury Rd in Craftsbury.**

The Craftsbury, TH 4, bridge 4 project will consist of replacing the existing bridge with a new wider single-span bridge that meets current design standards. The existing structure has a curb-to-curb width of 17.7' feet, and has a 33 foot clear span between abutments. It is a steel beam bridge with a concrete deck built in 1929. Bridge 4 is structurally deficient with full deck holes in the deck and major section loss in the beams. The bridge and approach rails are substandard, and the roadway and bridge are too narrow for the roadway classification and design speed.

VTrans evaluated alternatives for bridge replacement of the Craftsbury bridge 4 in an engineering study completed on September 12, 2012. The design addressed the proposed design criteria for bridge and roadway alignment, horizontal and vertical geometries, right of way impacts, hydraulics, historical and archaeological resources, and environmental impacts. Several alternatives were considered including no action, structure rehabilitation, and full bridge replacement. Due to the superstructure being structurally deficient, and the bridge shoulder and lane widths not being up to current standards, the final decision is a full bridge replacement with a new prefabricated bridge unit structure.

The new bridge will replace the current superstructure and substructure with a new single-span bridge. The new bridge will be 85 feet in length with galvanized HDSB/fascia mounted/steel tubing bridge railing. It will also have a 20° skew as to better match in with the roadway alignment. The bridge will have two 9 foot lanes with 3 foot shoulders that meet current standards.

Traffic control will consist of a detour for 28 days during construction. A detour is cheaper, quicker, safer, and has fewer impacts than other traffic maintenance alternatives. 14 days before and after the bridge closure period, the contractor will maintain two-way traffic on one lane of the road.

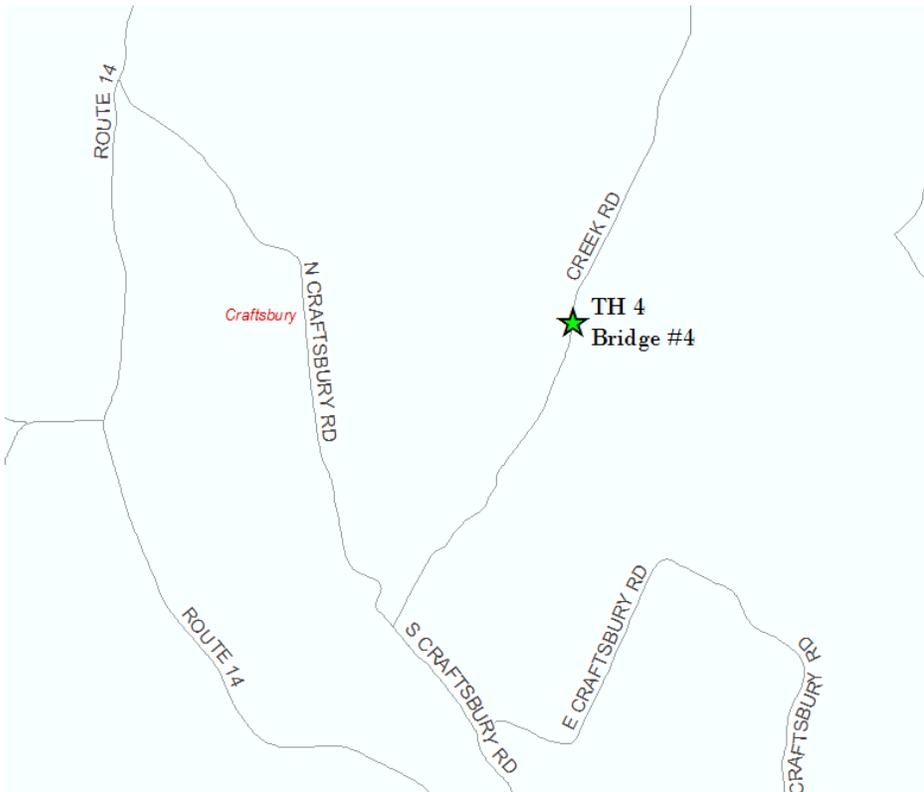
**Target Construction Schedule:** Construction activities will take place no earlier than April 18, 2016. The bridge closure period is scheduled to last 28 days and will occur between June 20, 2016 and August 19, 2016. The contract is scheduled to be completed on or before September 30, 2016.

**Contractor:** CCS Constructors, Inc.

**Estimate:** \$1,463,064.50

**Vtrans Project Manager:** Rob Young

**Vtrans Resident Engineer:** TBD



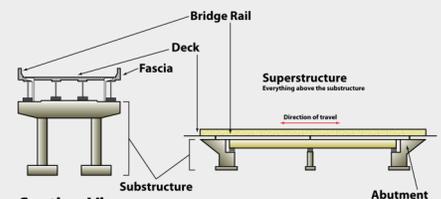
Location Map



Major Section Loss in Beams



Bridge and Approach Rails Substandard



Section View

Generic Bridge Element Description



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For more detailed information, click [here](#).