



# Huntington

## TH 22 Bridge 30

### Huntington Bridge 30 – BRO 1445(35)

**Project Location: Town of Huntington in Chittenden County on TH 22 over the Brush Brook. The bridge is located approximately 1.4 miles east of the intersection with TH #4.**

#### PROJECT MILESTONES

##### Preliminary Plans

July 2014

##### Permitting

Oct 2014

##### Final Design

May 2015

##### Right-of-Way Complete

October 2015

##### Bid Advertisement

January 2016

##### Contract Award

February 2016

##### Construction Schedule

April 2016 - October 2016

The Huntington Bridge 30 project will replace the existing bridge, which has a sub-standard width, and bridge rail, and is in poor condition, with a new bridge superstructure and substructure on a new alignment. The existing Huntington Bridge 30 is a single span, one lane structure constructed in 1925 and rehabilitated in 2004. The bridge is 34-feet in length and 16-feet wide. The bridge superstructure (deck and beams) components are in poor condition. The deck is in poor condition and needs to be replaced and there is evidence of scour at the abutments with settlement noted in the past.

VTrans evaluated alternatives for replacement of the Huntington Bridge 30 in an engineering study completed in August 2012. The study assessed the proposed design criteria for bridge and roadway alignment, right of way impacts, and hydraulic impacts. Several alternatives were considered including no action, superstructure replacement and full bridge replacement. Given the poor condition of the substructure and superstructure the full bridge replacement option was selected.

The new bridge will be a Cast-in-Place Concrete Slab Bridge, which has a comparatively low construction and maintenance costs. The new bridge will be located on a new alignment upstream of the existing bridge, this will allow for traffic to be maintained on the current structure while the new bridge is being built. The new structure will be 42-feet in length and 18-feet wide including two 9-foot travel lanes. The new bridge will feature a fascia mounted steel beam railing with the accompanying approach rail that meets all current standards for bridge railing.



*Large crack in concrete abutment*



**Target Construction Schedule:** Construction activities will take place beginning in April 2016. The contract is scheduled to be completed by October 2016.

**Contractor:** Parent Construction Inc.

**Cost:** \$690,347.50

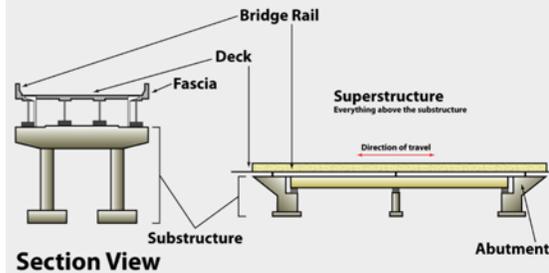
**VTrans Project Manager:** Carolyn Carlson, P.E.

**Resident Engineer:** Greg Wilcox

**Maintenance of Traffic:** During construction, traffic will be maintained on the existing bridge downstream from the proposed structure. Drivers should anticipate single lane closures at times during construction with one way alternating traffic.



Existing Deteriorating Beams



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