



Lincoln

TH 1 Bridge 19

Lincoln – BRF 0188(8)

Project Location: Town of Lincoln in Addison County on TH 1 over the New Haven River. The bridge is located approximately 0.5 miles south of TH 1 and Gove Hill Road.

PROJECT MILESTONES

- Preliminary Plans
Summer 2012
- Permitting
Fall/Winter 2013
- Final Design
Fall/Winter 2014
- Right-of-Way Complete
Summer 2014
- Bid Advertisement
Winter 2015
- Contract Award
Spring 2015
- Target Construction Schedule
Summer 2015

The Lincoln TH 1 Bridge 19 project will replace the existing bridge, which has a sub-standard width and is in poor condition, with a new bridge that meets current design standards. The existing Lincoln TH 1 Bridge 19 is a two span, two lane structure constructed in 1934. The 128-foot long bridge is comprised of two 64-foot spans and is 21-foot wide between the existing curbs. The bridge superstructure (deck and steel beams) components are in poor condition. There are areas of spalling and chipping on the fascias and underside of the concrete deck with several visible holes in the deck. The substructures are in poor condition with severe spalling visible at the pier. The entire bridge structure is in need of replacement.

VTrans evaluated alternatives for replacement of Lincoln TH 1 Bridge 19 in an engineering study completed in February 2012. The alternatives addressed the proposed design criteria for bridge and roadway alignment, right of way impacts, hydraulics, historical and archaeological resources, and environmental resources.

The new bridge will be a Precast Prestressed Concrete Box Beam Bridge, which has a relatively short construction period and comparatively low construction and maintenance costs. The new bridge will be 128-foot long and 28-feet wide. The bridge will be a single span structure eliminating the need for a future pier. The removal of the pier will reduce long term maintenance needs and improve hydraulics. The new bridge will feature widened shoulders to accommodate bicycles and pedestrians and will include crash tested railing along the span and at the approaches.

The bridge will be constructed with Accelerated Bridge Construction methods, which expedites construction and reduces disturbance to the traveling public. There will be a 50-day bridge closure for demolition of the existing structure and installation of new substructure, superstructure, and associated approach roadway construction.



Existing Bridge Structure



Target Construction Schedule: Construction activities will take place beginning in April 2015. The allowable bridge closure period is a single 50-calendar day closure period between June 18, 2015 and August 28, 2015. The contract is scheduled to be completed by October 2, 2015.

Contractor: The Contractor for Lincoln TH 1 Bridge 19 is J.A. McDonald, Inc.

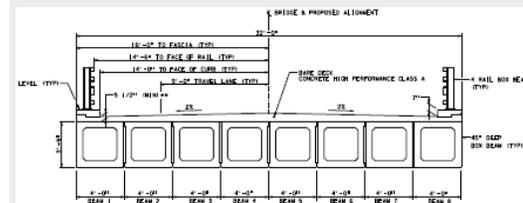
Cost: The contract amount for the project is \$2,365,854.10.

VTrans Project Manager: Todd Sumner, P.E.

Resident Engineer: Rick Hale



Bridge Location Map



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