



# FIELD REPORT #017

HEB Engineers, Inc. • [www.hebengineers.com](http://www.hebengineers.com)

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<b>Date:</b>	August 20, 2020	<b>Project #:</b>	2018-046	<b>Page 1 of 3</b>
<b>To:</b>	Michael Cahalane Town of Effingham 68 School St. Effingham, NH 03882	<b>Project:</b>	Elm Street Bridge Preservation	
<b>Email:</b>	effingham@roadrunner.com	<b>Location:</b>	Effingham, NH	
<b>Prepared By:</b>	Jonathan K. MacDougall, PE	<b>Owner:</b>	Town of Effingham	
<b>Reviewed &amp; Approved By:</b>	Christopher R. Fournier, PE	<b>Contractor:</b>	Hansen Construction	
		<b>Weather Conditions:</b>	70°F, sunny	

## SITE VISIT

Arrived at site: 12:20 PM

Left site at: 12:55 PM

### Personnel & Equipment on site:

- HEB Engineers, Inc. (HEB): Jonathan MacDougall
- Michael Hansen Construction Ltd. (Contractor): Carl, Dan
- Michael Hansen Construction Ltd. Equipment:
  - Volvo Excavator
  - Diesel Air Compressor
  - Dump Truck
  - Snooper Truck
  - Water Tank Trailer

### Visitors to site:

- None.

### Purpose of Site Visit:

- To observe construction progress.
- To observe steel girder and bridge shoe surface preparation.

### Work Performed by Contractor since last site visit:

- Contractor continued cleaning surface of steel beams and shoes (see Photos 1 & 2).
- Contractor ground smooth the rough edges of the new concrete around the expansion joint and wingwalls. Contractor ground smooth welds that temporarily held the joint together (see Photo 3).

### Work Performed by Contractor during HEB site visit:

- Contractor was working on cleaning steel girders and bridge shoes.
- Contractor spray painted the expansion joint where the galvanizing was ground off, using Rustoleum Cold Galvanizing Spray.

### Items discussed and observed:

- Contractor had the approved products on site for the backwall membrane. Engineer and Contractor reviewed installation of the membrane.
- Engineer reviewed the additional cleaning of the girders and bridge shoes. The Contractor was still working on completing the upstream face of the upstream girder but all other locations appeared to be sufficiently clear of loose rust.
- Contractor will clean debris off the riverbank prior to leaving.

*Please notify HEB if any information is missing from this field report or has been interpreted differently.*

- Contractor and Engineer reviewed the membrane installation for tomorrow (August 21, 2020).
- Engineer said the Contractor may reuse the backfill excavated from the backwall provided there is no trash organics, large rocks or concrete debris.

**Work Scheduled:**

- Barrier membrane installation on Friday, August 21, 2020.
- Bridge paving on Monday, August 24, 2020.

**Outstanding Construction Issues:**

- Install containment to prevent demolition debris from falling in the river (FR #008, July 27, 2020).

**Next Observation:**

- Friday, August 21, 2020.

**Photos:**

- Taken by JKM August 20, 2020.



Photo 1: Girder with loose rust removed.



Photo 2: Bridge bearings with loose rust removed.



Photo 3: Bridge bearings with loose rust removed.

Copy: Michael Hansen Construction Ltd.  
File

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