



# FIELD REPORT #018

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<b>Date:</b>	August 21, 2020	<b>Project #:</b>	2018-046	<b>Page 1 of 4</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>	Jason C. Ross, 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°-80°F, sunny	

## SITE VISIT

Arrived at site: 9:00 AM

Left site at: 12:00 PM

### Personnel & Equipment on site:

- HEB Engineers, Inc. (HEB): Jonathan MacDougall
- A.D. Rossi (Subcontractor): Crew of 4
- Michael Hansen Construction Ltd. (Contractor): Dan
- Michael Hansen Construction Ltd. Equipment:
  - Volvo Excavator
  - Diesel Air Compressor
  - Dump Truck

### Visitors to site:

- None.

### Purpose of Site Visit:

- To observe installation of barrier membrane.

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

- Contractor finished cleaning debris from riverbank in front of abutment.

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

- Subcontractor installed barrier membrane.

### Items discussed and observed:

- Subcontractor cleaned off the bridge deck and then bead-blasted the surface to remove any oil, foreign materials, and surface imperfections.
- A magnet was used to pick up most of the excess beads and then a blower was then used to remove any other debris.
- The Subcontractor checked the moisture content of the concrete deck and found that it ranged from 3% to 3.5% which is lower the maximum allowable value of 6%.
- Primer was painted onto the corners of the deck with brushes and the remainder of the deck was coated with primer using rollers.
- The roll-on membrane was installed and welded to the deck using a machine-welder. The ends and overlaps were sealed with a torch.
- Once the membrane was completely installed, hot tar was poured around the edges of the deck to seal the membrane.

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

**Work Scheduled:**

- 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:**

- Monday, August 24, 2020.

**Photos:**

- Taken by JCR August 21, 2020.



Photo 1: Bead-blasting the bridge-deck.



Photo 2: Installing primer coat.



Photo 3: Installing the first row of barrier membrane.





Photo 4: Sealing edges of membrane.



Photo 5: Finished membrane installation.

Copy: Michael Hansen Construction Ltd.  
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