

**FIELD REPORT
 #001**

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Date:	July 9, 2020	Project #:	2018-046	<i>Page 1 of 4</i>
To:	Michael Cahalane Town of Effingham 68 School St. Effingham, NH 03882	Project:	Elm Street Bridge #080/113 over the Pine River	
Email:	effingham@roadrunner.com	Location:	Effingham, NH	
Prepared By:	Jonathan K. MacDougall, PE	Owner:	Town of Effingham	
Reviewed & Approved By:	Christopher R. Fournier, PE	Contractor:	Michael Hansen Construction Ltd.	
		Weather Conditions:	Mostly Sunny 80's°F	

SITE VISIT

Arrived at site: 11:30 AM

Left site at: 12:10 PM

Personnel & Equipment on site:

- HEB Engineers, Inc. (HEB): Jonathan MacDougall, PE
- Michael Hansen Construction Ltd. (Contractor): Brad, Carl
- Michael Hansen Construction Ltd. Equipment:
 - Volvo Excavator
 - Diesel Air Compressor

Visitors to site:

- None.

Purpose of Site Visit:

- To observe construction progress.

Work Performed by Contractor since last site visit:

- Contractor installed barrels, jersey barriers, and bridge closure signage at each end of the bridge (see Photo 1).
- Contractor sawcut pavement at the north end of the bridge, 42 inches from the expansion joint and the concrete deck 12 inches from the joint.
- Contractor removed the asphalt pavement from the bridge deck using the smooth bucket of the excavator (see Photo 2).
- Contractor began jack hammering out concrete at the expansion joint, using a pneumatic jack hammer.

Work Performed by Contractor during HEB site visit:

- Contractor was removing barrier membrane from the deck using the smooth bucket of the excavator as well as removing loose concrete and debris.

Items discussed and observed:

- Contractor said they mobilized on Wednesday, July 8, 2020, to install signage and begin sawcutting pavement and concrete. They plan on continuing to chip out the expansion joint for the next few days. The deck is expected to be cleaned by this afternoon (Friday, July 10, 2020) and they will likely excavate behind the backwall to begin demolition.
- Engineer said they will return on Monday, July 13, 2020, to chain the deck and mark locations for deck repairs.

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

- There are several locations of concrete on the deck that are moderately to severely deteriorated (see Photo 3). The eastern most deck (upstream) 1-3 feet off the curb line can be removed by hand as well as much of the deck along the expansion joint (see Photo 4). There are several locations in the center of the deck that have also deteriorated (see Photo 5). The backwall at the expansion joint was also removed with a shovel up to 6 inches deep.
- The exposed reinforcing steel next to the expansion joint generally appears to be in good condition.

Work Scheduled:

- Continue to remove concrete around the expansion joint.
- Chain deck on Monday, July 13, 2020.

Outstanding Construction Issues:

- None.

Next Observation:

- Monday, July 13, 2020.

Photos:

- Taken by JKM July 9, 2020.



Photo 1: Road closed sign and jersey barriers at south approach.



Photo 2: Pavement removed on bridge deck. Note deteriorated deck pavement along curb and backwall



Photo 3: Deteriorated concrete along curb line.



Photo 4: Expansion joint.



Photo 5: Isolated location of deteriorated concrete in middle of deck.

Copy: Michael Hansen Construction Ltd.
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