



FIELD REPORT #003

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Date:	July 16, 2020	Project #:	2018-046	Page 1 of 3
To:	Michael Cahalane Town of Effingham 68 School St. Effingham, NH 03882	Project:	Elm Street Bridge Preservation	
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:	Hansen Construction	
		Weather Conditions:	Mostly Sunny 60's°F	

SITE VISIT

Arrived at site: 8:55 AM

Left site at: 9:30 AM

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
 - Dump Truck

Visitors to site:

- None.

Purpose of Site Visit:

- To observe construction progress.

Work Performed by Contractor since last site visit:

- Contractor saw-cut concrete deck on the limits of deck repair along the west curb line and along the limits of deck repair at the middle of the deck. Contractor chipped the concrete along the west curb line. The northern portion has been completed along the curb line had been completed to roughly $\frac{3}{4}$ inch below the upper mat of reinforcing steel.

Work Performed by Contractor during HEB site visit:

- Contractor was preparing to continue chipping deteriorated concrete.

Items discussed and observed:

- Contractor noted they broke through the deck in one location along the curb. The depth of the concrete appeared to be approximately 8 $\frac{1}{4}$ -inches as noted on the original construction drawings. This area is not considered a full depth repair location and will be paid as partial depth. Contractor should take care to not demo concrete too far below the top mat of reinforcing steel to prevent further locations of breakthrough. Smaller chipping hammers may be required to prevent further holes through the deck.
- Contractor noted they were using the larger chipping hammer to remove the top surface of the deck until they reached upper reinforcing bar. They said once they reached the upper bar, they switched to a small chipping hammer to get below the reinforcing.
- Contractor said that the concrete felt really hard once they got below the surface of the concrete.
- The reinforcing steel all looks to be in good condition where exposed along the west curb.

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

Work Scheduled:

- Contractor expects to complete chipping the concrete deck along the west curb today, along with much of the concrete at the center of the deck.

Outstanding Construction Issues:

- None.

Next Observation:

- Monday, July 20, 2020, or as needed.

Photos:

- Taken by JKM July 16, 2020.



Photo 1: Concrete deck chipped out along the west curb.



Photo 2: Exposed reinforcing steel along the west curb.



Photo 3: Spall at bottom of deck where Contractor broke through.

Copy: Michael Hansen Construction Ltd.
File

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