

**FIELD REPORT  
 #006**

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<b>Date:</b>	July 24, 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>	Mostly Sunny 70's°F	

**SITE VISIT**

**Arrived at site:** 8:25 AM

**Left site at:** 10:30 AM

**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
    - Bobcat skid steer w/hammer
- Coleman Rental: Equipment Delivery Driver

**Visitors to site:**

- None

**Purpose of Site Visit:**

- To observe construction progress.
- To observe backwall demolition with skid steer hammer.

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

- Contractor continued chipping concrete along the east curb line (Photo 1).

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

- Contractor assisted with delivery of Bobcat and chipping hammer from Coleman Rental.
- Contractor began chipping the backwall with the skid steer and hammer (Photo 2), as well as chipping concrete with hand operated pneumatic hammers.

**Items discussed and observed:**

- The further exposed deck reinforcement along the east curb line appears to have minimal section lost due to rust. There are some rust locations that will require cleaning for placing the deck concrete.
- Contractor began chipping concrete with the skid steer but was limited due to the articulation of the bucket not allowing enough angle to effectively get under the expansion joint. Contractor contacted Coleman rental to trailer the skid steer to the other side of the bridge and were expected to arrive within an hour or two. They were able to chip some concrete along the top of the wall to get a sense of how the process would work. Contractor and Engineer reviewed the progress and agreed they should be able to remove substantial

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concrete without damage to the reinforcing hoops at the top of the wall. They would use hand tools when near the reinforcing to remain.

- Contractor was able to open a hole below the expansion joint using hand held chipping hammers and began to make good progress chipping concrete under the joint at that point (Photo 3).
- Engineer noted to be aware of concrete that is falling below the deck while chipping the backwall. No debris shall fall in the water and all debris must be cleaned up.

**Work Scheduled:**

- Contractor will likely complete the preparation for partial depth repairs today and begin demolition at the back wall tomorrow.

**Outstanding Construction Issues:**

- None.

**Next Observation:**

- Monday, July 27, 2020

**Photos:**

- Taken by JKM July 24, 2020.



Photo 1: Deck along the east curb prepared for partial depth repairs.





Photo 2: Skid-steer with hammer at the bridge backwall.



Photo 3: Hole below expansion joint in backwall.

Copy: Michael Hansen Construction Ltd.  
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