



FIELD REPORT #009

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Date:	July 30, 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 70-80°F	

SITE VISIT

Arrived at site: 8:00 AM

Left site at: 11:15 AM

Personnel & Equipment on site:

- HEB Engineers, Inc. (HEB): Jonathan MacDougall
- Michael Hansen Construction Ltd. (Contractor): Carl, Dan, Dan, Mike
- Michael Hansen Construction Ltd. Equipment:
 - Volvo Excavator
 - Diesel Air Compressor
 - Dump Truck
- Alvin J. Coleman & Son, Inc.: Concrete QC Technician

Visitors to site:

- None.

Purpose of Site Visit:

- To observe construction progress.
- To observe concrete placement for deck repairs.

Work Performed by Contractor since last site visit:

- Contractor completed grinding rust off the surface of the reinforcing steel.

Work Performed by Contractor during HEB site visit:

- Contractor placed concrete for the concrete deck repairs. The NHDOT Class AA concrete was batch at 8:56 AM and arrived on site at 9:20 AM. The truck park at the end of the bridge and placed the concrete in powered wheelbarrow. The wheelbarrow was driven around the deck and dumped into the concrete (see Photo 1). Contractor used rakes to move the concrete around and consolidate it (see Photo 2). Once in place, they began finishing with a magnesium trowel and bull float. A battery-operated pencil vibrator was used in some locations to consolidate the concrete. Placement was complete by 10:30 AM. Once the concrete was finished and began to set up, wet burlap was placed over the concrete (see Photo 3).
- The Technician from Alvin J. Coleman & Son, Inc. took cylinders for testing.

Items discussed and observed:

- Contractor said they wanted to use the concrete rakes to consolidate rather than the pencil vibrator. The Contractor thought it would work better to get the aggregate under the bars. The pencil vibrator did end up being used in some locations.

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

- Contractor said they would place the weeper hoses on the wet burlap and install a poly tarp over all the burlap and hoses.
- Contractor and Engineer discussed containment for further demo of the bridge joint. Contractor said they would come up with something. Engineer also noted that the loose concrete block at the corner of the abutment is bigger than initially assumed. Contractor said it would be fine to repair.
- Contractor and Engineer discussed the plan for the use of the Snooper inspection truck. Contractor would like to have the truck on site within a week. They will test cylinders to help determine strengths before putting on the bridge.

Work Scheduled:

- Contractor to continue removing expansion joints.
- Deliver Snooper truck to site the week of August 3, 2020.

Outstanding Construction Issues:

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

Next Observation:

- Tuesday, August 4, 2020.

Photos:

- Taken by JKM July 30, 2020.



Photo 1: View of concrete from wheelbarrow.



Photo 2: View of crew raking and consolidating concrete.



Photo 3: View of wet burlap placed over concrete.

Copy: Michael Hansen Construction Ltd.
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