

FIELD REPORT #015

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Date:	August 17, 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:	70°F, sunny	

SITE VISIT

Arrived at site: 7:45 AM

Left site at: 9:45 AM

Personnel & Equipment on site:

- HEB Engineers, Inc. (HEB): Jonathan MacDougall
- Michael Hansen Construction Ltd. (Contractor): Carl, Dan, Phil
- Michael Hansen Construction Ltd. Equipment:
 - Volvo Excavator
 - Diesel Air Compressor
 - Dump Truck
 - snooper Truck
 - Water tank trailer

Coleman Concrete: Truck Driver, QC Technician

Visitors to site:

- None.

Purpose of Site Visit:

- To observe construction progress.
- To observe concrete placement at expansion joint.

Work Performed by Contractor since last site visit:

- Contractor completed installing forms at the backwall and the deck end.
- Contractor completed chipping deteriorated concrete at the deck end and sawcut square lines at wingwalls.
- Contractor installed rigid foam insulation in the expansion joint to prevent concrete from entering the gap between the angles during placement.
- Contractor prepared forms.

Work Performed by Contractor during HEB site visit:

- Concrete truck 234 arrived on site at 7:45 AM with 4.5cy of NHDOT Class AA concrete (see Photo 1).
- Contractor wet the backwall and end of deck to place concrete against. Contractor began placing concrete at the backwall at 8 AM. Contractor tamped the concrete in place with hand tools as consolidated with a battery-operated pencil vibrator. Once the backwall was complete, the Contractor proceeded to the end of the deck (see Photos 2 & 3).
- Contractor vibrated and mounded up concrete at the joint angle, once the entire deck end was mostly full of concrete the workers began finishing the deck. At locations where the deck was finished, they would set 1-inch rigid foam insulation over the deck concrete and attached 2x4s were attached to form the step in the concrete.

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

The exposed portion of concrete was then finished. The concrete was placed ~ ¼-inch below the top of the chamfer to match the elevation of the top of the joint angle. By 8:30 AM, placement of the concrete was completed from the truck and finishing of the exposed surface was completed by 9:40 AM.

Items discussed and observed:

- Engineer asked if they had a string line to make sure the step at the deck end was straight. Contractor said they would match the angle of the joint.
- Contractor said they would place wet burlap, weeper hoses, and tarps over the new concrete for curing.

Work Scheduled:

- Contractor to begin cleaning steel beams and remove deteriorated concrete at abutment stem.

Outstanding Construction Issues:

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

Next Observation:

- Wednesday, August 19, 2020.

Photos:

- Taken by JKM August 17, 2020.



Photo 1: Contractor preparing to place concrete.



Photo 2: Contractor finishing the end of deck concrete.

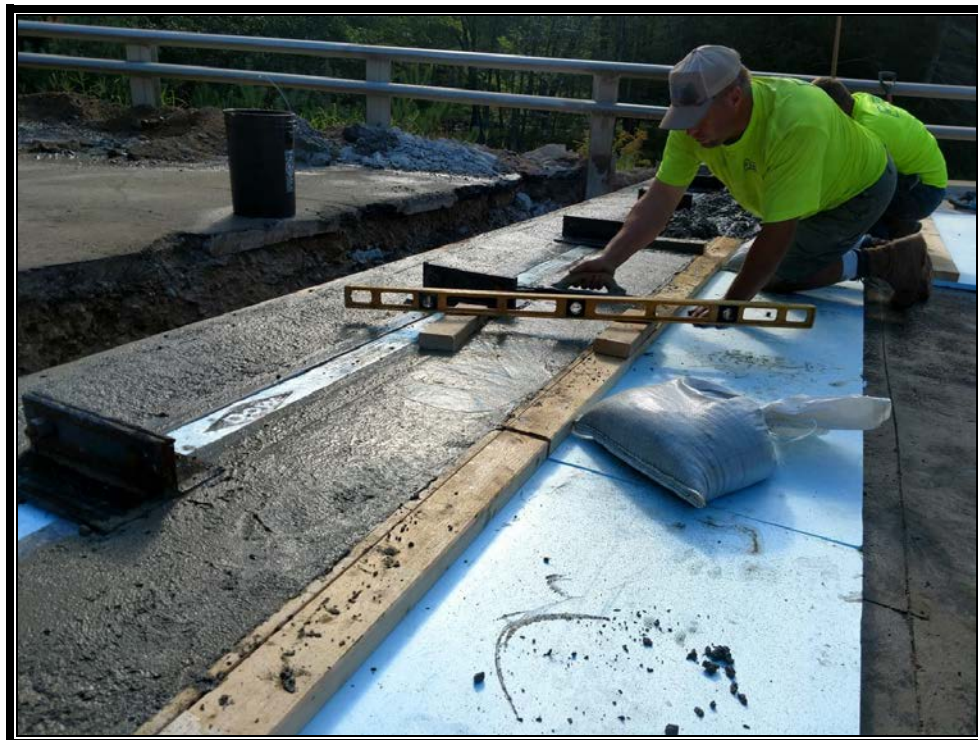


Photo 3: Contractor finishing the end of deck concrete.

Copy: Michael Hansen Construction Ltd.
File

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