



FIELD REPORT #012

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Date:	August 11, 2020	Project #:	2018-046	Page 1 of 4
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:	90°F, sunny	

SITE VISIT

Arrived at site: 1:05 PM

Left site at: 2:00 PM

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

Visitors to site:

- None.

Purpose of Site Visit:

- To observe construction progress.
- To observe expansion joint fit prior to installation of concrete forms

Work Performed by Contractor since last site visit:

- Contractor chipped additional concrete to allow for reinforcing cover at the expansion joint.
- Contractor set up the snooper truck to access below the deck (see Photo 1).
- Contractor attached expansion joint to the girders, installed anchor rods at backwalls and attached expansion bolts (see Photo 2).
- Contractor installed the end diaphragms between the girders (see Photo 3).

Work Performed by Contractor during HEB site visit:

- Contractor was installing forms for the backwall.
- The loose block of concrete at the top of the abutment were removed (see Photo 4).

Items discussed and observed:

- Contractor said they would reinstall the reinforcing removed during demolition and install and additional #5 bar as shown on the NHDOT detail.
- Engineer noted the wingwalls should be sawcut at the edge of demolition to have a square edge to pour concrete against. Engineer noted all locations at the edge of new concrete should have square cut edges ~1 ½-inch deep.

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

- Engineer noted that the deteriorated concrete at the deck end must be cut back further where there is exposed concrete (see Photo 5). Contractor must sawcut around the areas to repair or can use the existing sawcut in the deck. Engineer said it would be acceptable to only demo to 1 ½ inches below the proposed top of concrete and will not require down below the reinforcing because the concrete appeared to be in good condition with what remained.
- The joint opening was measured to be 3 ¼-inch between the steel angles.
- Contractor said they installed the top of joint to be 2¼-inch above the deck elevation.

Work Scheduled:

- Contractor to continue with installation of the concrete forms at the backwall and deck end.
- Place concrete for the backwall and deck end at the end of this week (August 13, 2020 or August 14, 2020).

Outstanding Construction Issues:

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

Next Observation:

- Week of August 13, 2020.

Photos:

- Taken by JKM August 11, 2020.



Photo 1: View of snooper truck.



Photo 2: Expansion joint in place with new anchor rods into backwall.



Photo 3: New diaphragm installed.



Photo 4: Deteriorated concrete behind location of loose block.



Photo 5: Deteriorated concrete at end of deck.

Copy: Michael Hansen Construction Ltd.
File

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