

HEB Engineers, Inc. • www.hebengineers.com

New Hampshire: Office (603) 356-6936 • Fax (603) 356-7715 • PO Box 440 • 2605 White Mountain Hwy • North Conway, NH 03860

Maine: Office (207) 803-8265 • PO Box 343 • 103 Main Street • Suite 6 • Bridgton, ME 04009

Date:	June 2, 2021	Project #:	2018-087	Page 1 of 3
To:	Town of Effingham 68 School Street Effingham, NH 03882	Project:	Snow Road Bridge Replacement	
		Location:	Effingham, NH	
Email:	townofeffingham@effinghamnh.net	Owner:	Town of Effingham	
Prepared By:	Eric V. Schroeder, EIT	Contractor:	Hansen Bridge LLC	
Reviewed & Approved By:	Christopher R. Fournier, PE	Weather Conditions:	81°F Partly Cloudy	

SITE VISIT

Arrived at site: 10:36 AM **Left site at:** 2:47 PM

Personnel & Equipment on site:

- HEB Engineers, Inc. (HEB): Eric V. Schroeder, EIT
- Hansen Bridge LLC (Contractor): Mike Hansen, 2 Laborers
- Hansen Bridge LLC Equipment:
 - 1 Volvo Excavator, VE1336
 - 1 Volvo Excavator, ECR235DL
 - 1 HPSI Excavator Mounted Hammer, 80E
 - 1 ICE Vibratory Hammer, 216 (Idle)
 - 1 Wimmer International Hydraulic Hammer, W600

Visitors to Site:

- None.

Purpose of Site Visit:

- To observe pile driving at the east abutment.

Work Performed by Contractor since last site visit:

- A turbidity curtain was installed on the upstream side of the bridge.
- The Contractor spliced P2E.

Items Discussed and Observed:

- The Contractor once again tried to drive all five (5) piles on the east side making no further progress. The Contractor has alerted GM2 (Hansen subconsultant) and asked for another solution. The Contractor stated that the piles were as far in as they were going to go and that they did not intend to drive them any further.
- The Contractor began cutting the piles to grade (409.51 feet) in accordance with GM2's plans. The Contractor acknowledged the risk of cutting the piles before GM2 clarified their design intent with the as-built pile depths.

- After the Contractor was done driving the pile for the day, they began excavating the culverts, starting with the easternmost culvert (see Photos 1 and 2). This significantly reduced the water level upstream and increased velocity through the site, which mobilized sediment. The downstream turbidity curtain captured most of the sediment, but not all, as the bottom of the curtain lifted due to the velocity. Repair/enhancement of the downstream sediment control is likely necessary before additional culverts are removed.

Work Scheduled:

- Wednesday, June 3, 2021 – Additional culvert removal.

Outstanding Construction Issues:

- The Contractor needs to provide revised GM2 design information regarding differing pile conditions (FR #006, 06-01-21).
- Repair/enhancement of the downstream sediment control is likely necessary before additional culverts are removed.

Next Observation:

- Wednesday, June 3, 2021.

Photos:

- Taken by Eric Schroeder on Wednesday June 2, 2021.



Photo 1: Removal of the easternmost culvert.



Photo 2: The channel created by removing the culvert.

Copy: Hansen Bridge LLC
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