

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:	November 18, 2022	Project #:	2021-083	Page 1 of 5
To:	Town of Effingham 68 School Street Effingham, NH 03882	Project:	Bailey Road Culvert Replacement	
Email:	townofeffingham@effinghamnh.net	Location:	Effingham, NH	
Prepared By:	Eric Schroeder	Owner:	Town of Effingham	
Reviewed & Approved By:	Christopher Fournier, PE	Contractor:	Jake Dawson's Excavation & Utility Services, LLC	
		Weather Conditions:	29° Partly Cloudy	

SITE VISIT

Arrived at site: 8:00 AM

Left site at: 8:30 AM

Personnel & Equipment on site:

- » HEB Engineers, Inc. (HEB): Eric Schroeder
- » Jake Dawson's Excavation & Utility Services, LLC (Dawson's): Andy (Foreman), 1 Laborer
- » Dawson's Equipment:
 - 1 Case Loader, 621F (idle)
 - 1 Case Excavator, CX145DSR (Idle)
 - 1 Case Excavator, CX245DSR (Idle)
 - 1 Case Roller, 602B (idle)

Visitors to site:

- » None.

Purpose of Site Visit:

- » To observe flooding downstream of the culvert.

Work Performed by Contractor since last site visit:

- » The Contractor had placed stone in an effort to stabilize the road (see Photo 1).
- » The Contractor removed sheet pile in the middle of the channel on the inlet side (see Photo 2).

Work Performed by Contractor during HEB site visit:

- » None.

Items discussed/observed:

- » The Contractor called the Engineer and asked him to document the flooding on the site.
- » The Engineer observed watermarks on the dam bridge that indicated the water level had decreased on the inlet of the box culvert (see Photo 3).
- » The Engineer observed that water on the outlet side of the box culvert had risen and flooded areas around the channel. Water had risen past the sedimentation basin, almost to the tree line before the roadway.
- » From these observations, the Engineer and Contractor agreed that the cause of the flooding was most likely downstream.
- » The Engineer left the site and checked the stream conditions at the Granite Road, Province Lake Road, and Snow Road crossings.

- » The Engineer observed that the water level appeared to be low at the Granite Road crossing (see Photo 4). The watermarks along the pier indicated that the water level was approximately 1-2 feet lower than it had been.
- » The Engineer observed that the water level also appeared to be slightly low at the Province Lake Road crossing (see Photo 5). The tops of the scour walls were covered with algae indicating that normally they would be underwater.
- » The Engineer observed that the water level appeared to be normal at the Snow Road Crossing (see Photo 6). There was evidence of vegetation sticking through the water in flow areas, this was observed as normal conditions during the 2021 Snow Road Bridge Replacement project.
- » The Contractor stated that they will be installing the bridge rail before the winter shutdown.

Work Scheduled:

- » Monday, November 21, 2022 – Continue Demobilizing
- » To be determined – Install bridge rail

Outstanding Construction Issues:

- » Provide verification of horizontal placement of the box culvert (FR#014, 10/26/22).
- » A final decision on temporary roadway paving (FR#019, 11/10/22).

Next Observation:

- » To be determined – To observe site before winter shutdown.

Photos:

- » Taken by Eric Schroeder on November 18, 2022.



Photo 1: Stone was placed to stabilize the roadway.



Photo 2: The middle sections of sheet pile were removed from the channel on the inlet side.



Photo 3: Watermarks along the dam bridge indicate the water level has lowered.



Photo 4: Granite Road crossing over the South River.

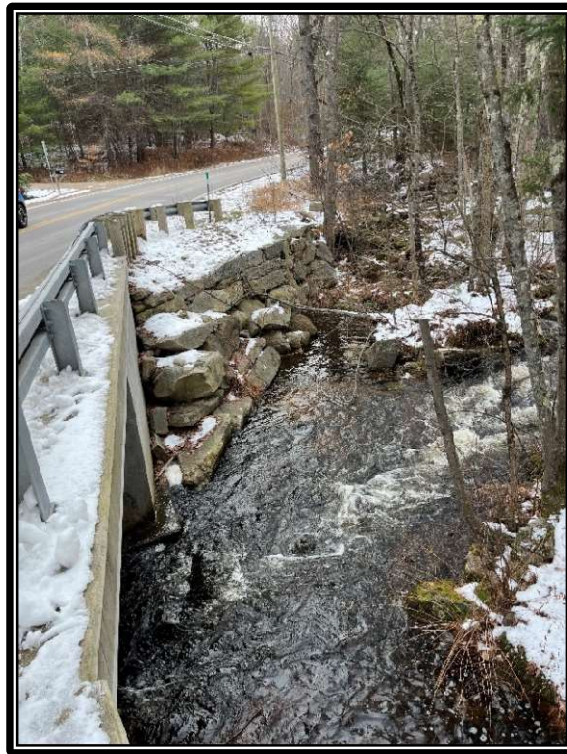


Photo 5: Province Lake Road crossing over the South River.

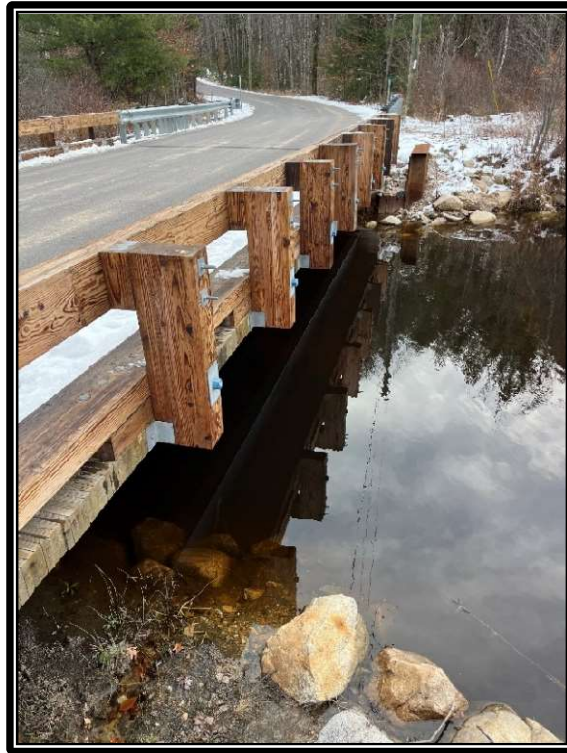


Photo 6: Snow Road crossing over the
South River.

Copy: Jake Dawson's Excavation & Utility Services, LLC
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