

LETTER OF TRANSMITTAL

3 COLONY STREET, MERIDEN, CONNECTICUT 06451

(203) 238-1969 Fax (203) 630-2056

To: TradeMark Construction LLC
72 Cold Spring Road
Bristol, CT 06010

Date: August 11, 2020
Project No. 2301
RE: Replacement of Bridge No. 04632
Folly Lane over Skungamaug River
Coventry, CT

We Are Sending You: Attached Under Separate Cover

Specifications Letter

Change Order Shop Drawings

Drawings Other _____

Reports

Originals/Copies	Date	No.	Description
0/1 (Electronic)	8/11/20		Water Handling

These Are Transmitted As Checked Below:

For Approval Approved as Submitted Resubmit Copies for approval

For Your Use Approved as Noted Submit Copies for distribution

As Requested Returned for Corrections Return Corrected prints

For Review and Comment Other

Remarks: _____

Signed: Gary Giroux, P.E.



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Bristol, CT 06010
860-966-2762 (P)
860-314-1428 (F)

Gino@TradeMark-Contractors-LLC.com (E)

Submittal

Project #: L032-0002
Project: Replacement of Folly Lane Bridge over Skungamaug River, Bridge #04632
Location: Coventry, CT
Date: August 4, 2020
Submittal #: 007-Water Handling Plan-New
Preparer: TradeMark Contractors LLC
Attached: Water Handling Plan

SUBMITTAL REVIEW

DESIGNER'S REVIEW

(These Options Shall Only be Applied to Shop Drawing Submittals)

No Exceptions Noted Rejected
Exceptions as Noted No Action Required
Revise and Resubmit

(These Options Shall Only be Applied to Working Drawing Submittals)

Reviewed, No Comments
Reviewed With Comments

DESIGNER'S REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN. COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THEREFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTING FABRICATION PROCESSES, FOR TECHNIQUES OF ASSEMBLY AND FOR PERFORMING THEIR WORK IN A SAFE MANNER.

CARDINAL ENGINEERING ASSOCIATES, INC.

By: Tim Cruse

Date: 8/11/2020

Affirmative Action / Equal Opportunity Employer
CT DOT Contractor / CT DAS Contractor / Woman-Owned Small Business Enterprise

See comments next page.

This submittal has been reviewed for compliance with the Contract Documents and approved by:

Gino P. Troiano, Jr., P.E.
TradeMark Contractors, LLC

Submittal Comments:

1-Generally no exceptions with Excavation Dewatering and Flood Contingency Plan proposed. Water Handling comments below.

2-Concrete block brace (waler) must resist 633.1plf lateral load per comps. Self-weight = $150\text{pcf} \times 2\text{ft} \times 2\text{ft} = 600\text{plf} < \text{OT resistance required of } 1.5 \times 633.1\text{plf} = 950\text{plf}$. (propose use 2 blocks stacked) Sliding can be assumed to not control if passive earth resistance is provided behind concrete block - verify bottom block will be recessed to prevent sliding or verify sliding capacity $>$ demand.

3-Doubtful sheeting can be driven to EL 491.8'± as shown. Per borings, weathered rock is at 494.5'-496.7' and gneiss is at 493.0'-493.7'. Existing streambed is likely at or near bedrock, therefore contours shown on contract drawing sheet 3 (EL 494'±) are likely top of weathered rock (as per boring data). Sheeting proposed will have to be driven through minimum 1.0' weathered rock AND minimum 1.2' gneiss.

4-If proposed sheeting cannot be installed, what is alternative plan for water handling?