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Submittal

Project #: L032-0002

Project: Replacement of Folly Lane Bridge over Skungamaug River, Bridge #04632

Location: Coventry, CT

Date: ~~August 4, 2020~~ Response August 17, 2020

Submittal #: 007-01-Water Handling Plan-Response to Comments

Preparer: TradeMark Contractors LLC

Attached: Water Handling Plan – Response to Comments

- 1) No Response
- 2) Conditions shown are for flood stage, immediately prior to overtopping of the sheets. In this condition, either 2 concrete blocks or excavated material stacked behind blocks shall be implemented in preparation for high and/or flood flows. During time of no work, 2 blocks shall be installed or excavated material shall be placed against the back of the block. Existing and proposed grade conditions have the block keyed into grade. Computations for ordinary high water flow elevations are attached for reference.
- 3) See below.
- 4) If sheeting cannot be installed as proposed, a combination of large sandbags (1 CY), small sandbags and plastic shall be utilized to seal the excavation area from the existing stream flows. Large sandbags

shall be placed directly on the existing streambed over a continuous sheet of string-reinforced plastic. All small openings between the large sandbags shall be sealed with smaller sandbags. Small sandbags shall also be utilized on top of the larger sandbags to achieve the minimum top of cofferdam elevations shown on the Contract Docs. For the sandbags, sliding controls.....a single large sandbag is approximately 3'x3'x3', weighing 2,600 lbs. Sliding resistance is $2600 \times 0.5 = 1300$ lbs/sandbag. Lateral force of water (at flood stage) is $0.5 \times 62.4 \times 3.0^2 = 281$ lbs per linear foot of cofferdam, which is 843 lbs per sandbag and is less than the resistance force.

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

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

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