



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

November 5, 2021
Subject: New Connector Construction
State WIN: 018915.00
Location: **Brewer, Holden & Eddington
Amendment No. 4**

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

Add the attached SPECIAL PROVISION – SECTION 615 – AMENDED FILTER BUFFER, 2 pages, dated July 23, 2021.

The following questions have been received:

Question: The project includes a significant amount of directional Bores for conduit installation. No item appears to be included for that work, other projects we have bid recently included an item 626.26 for directional bores.

Will directional drilling of electrical conduits as shown on the plans be incidental to the conduit item or other items? Will an item be added before bid for the directional drilling?

Response: The project includes approximately 4,700 LF of directionally bored conduit as shown in the table on Plan Sheet IT7. This conduit will be paid for under Item 626.251 Non-Metallic Conduit Under Pavement (Schedule 80 or greater rating). Any other use of directional boring for conduit installation is at the Contractor's discretion and will be considered incidental to the type of conduit installed.

Question: The specified lightweight fill has to be hauled from south of Philadelphia. Given the disruptions in the trucking industry and uncertainty this could introduce to the construction schedule, would the owner consider a similar unit weight lightweight fill utilizing material sourced in Maine?

Response: Multiple lightweight fill options were considered and evaluated during final design including lightweight concrete. Foam glass aggregate (FGA) was selected based on technical feasibility, cost, risk, and constructability considerations. Please note that there is an FGA supplier located in Vermont.

Question: How is the clearing associated with the installation item 607.09 Woven Wire Fence paid?

Response: Clearing associated with the installation item 607.09 Woven Wire Fence will be paid under appropriate equipment rental Items.

Question: Will the contractor be allowed to use demo concrete in fill areas on the project?

Response: Demo concrete will not be allowed in the construction of permanent embankments on the project. Any use of demo concrete for temporary fill would need to be removed prior to completion of the project. Any use of demo concrete will need to comply with all environmental permits related to the project and used in compliance with any DEP regulations.

Question: Please confirm that all undercut, muck, and unsuitable excavation is paid under bid item 203.20 common excavation.

Response: Undercut, muck, and unsuitable excavation is paid under bid item 203.20 Common Excavation.

Question: Do the cut quantities provided in the PDF (cgf08915.pdf) issued in Addenda #1 include bedrock cuts?

Response: They do not include bedrock cuts, the bedrock cuts are noted on G22 under Item 203.213, and G7 under the rock cut typical. There are rock cuts through the stations noted on G7 for the fiber trench as depicted on IT7.

Question: Please provide a spreadsheet of bedrock cut quantities at each of the applicable cross-sections.

Response: No spreadsheet is available. Cross sections were used to calculate the quantities.

Question: Special Provision 403 Hot Mix Asphalt Pavement Note 26 calls for Level I smoothness testing on the final pavement surface. This note is shown in the table next to the surface, intermediate and base lifts of mainline pavement. Should this be applied to item 403.2081 ONLY?

Response: Please refer to section 402 – Pavement Smoothness. The final pavement surface shall be evaluated for smoothness testing following completion of the surface course.

Question: Could the department provide specifications for Item 615.22 Amended Filter Buffer?

Response: See the attached SPECIAL PROVISION – SECTION 615 – AMENDED FILTER BUFFER.

Consider these changes and information prior to submitting your bid on **November 24, 2021**.

Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

SPECIAL PROVISION
SECTION 615
AMENDED FILTER
BUFFER

Description This work shall consist of grubbing and constructing Amended Filter Buffers at the locations called for on the Plans.

Preconstruction Site Walk The Contractor shall have a preconstruction site walk with the Resident and a representative from the MaineDOT Environmental Office Surface Water Resources Unit (SWRU) to review the installation area and to answer questions regarding layout and construction.

Materials Erosion Control Mix, Material Specification 717.04(e) shall be used for final stabilization. Stump Grindings shall be used for the Amended Soil Mix and shall meet the following specifications.

Stump Grindings shall be shredded, not chipped, to produce wood fibers as long and stringy as possible, be well graded and conforming to the following:

Property	Specification
6-inch Sieve Designation	100 percent passing
1-inch Sieve Designation	75 to 85 percent passing
Organic Matter	>85 percent, dry weight basis

Site Preparation Designated areas shall be grubbed. Construction shall not begin on Amended Filter Buffers until all inslopes, backslopes and ditch lines that drain to this area have been stabilized from erosion and/or all runoff have been diverted away.

Bed Excavation The Amended Filter Buffer area shall be excavated to a depth of 24 inches from original grade and material removed for use in the Amended Soil Mix. The floor of the excavation shall be scarified for placement of Amended Soil Mix.

Amended Soil Mix The bed excavation soil shall be uniformly mixed with Stump Grindings in a 4:1 ratio by volume. The mix shall be approved by the Resident in consultation with a representative of the SWRU. The Amended Soil Mix shall be placed in two 10-inch lifts in the excavation. Each lift shall be lightly compacted equivalent to one pass with tracked vehicle with an operating weight not to exceed 25,000 lbs.

Final Grading During placement, the Amended Filter Buffer shall be graded to maintain contours parallel to the Level Lip Spreader and transition to the natural slope down gradient. Final stabilization with Erosion Control Mix shall be applied simultaneously. No additional compaction shall be applied to the final grade.

Final Stabilization A three-inch layer of Erosion Control Mix shall be applied to the surface of the Amended Filter Buffer in sequence with final grading. Once applied, no additional equipment is allowed on this area.

Method of Measurement The Amended Filter Buffer shall be measured in place by the Square Foot. Erosion Control Mix shall be measured after application, in place by the Cubic Yard.

Basis of Payment The Amended Filter Buffers shall be paid for at the contract unit price per square foot, in place and accepted. Payment for Erosion Control Mix shall be made under Pay Item 619.14. Payment for additional erosion control measures not explicitly mentioned in this special provision shall be considered incidental to the Temporary Erosion and Sediment Control item.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
615.22 Amended Filter Buffer	Square Foot