



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

Janet T. Mills  
GOVERNOR

Bruce A. Van Note  
COMMISSIONER

October 18, 2021  
Subject: New Connector Construction  
State WIN: 018915.00  
Location: **Brewer, Holden & Eddington  
Amendment No. 1**

Dear Sir/Ms.:

For your information and review:

The as advertised plans for the following project have been posted to the MaineDOT web site and Bid Express. These plans are for reference only.

Brewer, Wilson Street Bridge #1564, WIN 018915.20 (Route 1A/Wilson Street over I 395)

A Cut, Fill & Grubbing PDF has been uploaded to the MaineDOT web site.

Please make the following changes to the Bid Documents:

In the Bid Book:

**REMOVE** page 87, SPECIAL PROVISION – SECTION 105 – General Scope of Work – (Contract Supplied Equipment), 1 page, dated June 10, 2021, and **REPLACE** with the attached, SPECIAL PROVISION – SECTION 105 – General Scope of Work – (Contract Supplied Equipment), 1 page, dated October 14, 2021.

**REMOVE** pages 251 – 254, SPECIAL PROVISION – SECTION 615.081 – COMPOST BLANKET, 4 pages, dated June 15, 2021, and **REPLACE** with the attached, SPECIAL PROVISION – SECTION 615 – COMPOST BLANKET, 4 pages, dated October 6, 2021.

The following questions have been received:

**Question:** Will contractors be allowed access to the corridor?

**Response:** In order for Contractors to meet Standard Specification Section C of 102.3 Examinations of Documents, Site and Other Information, Contractors will be freely permitted to access the 200 foot wide corridor with the exceptions of the Reserved Limits as specified in SPECIAL - PROVISION SECTION 104 - General Rights and Responsibilities - (Reserved Limits), in the Contract Book, page 85. Access to the Reserved Limit areas can only be granted by the landowner as listed on the Right of Way Plan

Sheets. Access to all areas shall be on foot and non-destructive in nature. Right of Way maps provided in the plan set show the corridor acquired by the Department. Any access obtained for private property is the responsibility of the Contractor.

**Question:** Regarding special provision Section 203 Excavation and Embankment (Ultra-Lightweight Foam Glass Aggregate), part 203.02, please clarify if the ULFGA closed cell material shall be manufactured using dry-process or wet-process.

**Response:** MaineDOT will consider either dry-process or wet-process manufactured product that meets all requirements specified in the Contract Documents.

**Question:** The quantities of cut, fill, bedrock and grubblings at each of the cross sections are not shown on the provided x-section sheets, please provide the spreadsheet of quantities at each of the special embankment and roadway cross sections.

**Response:** The Cut, Fill & Grubbing PDF has been uploaded to the MaineDOT web site. Bedrock cuts are located in a table on SHEET G7 in the plan set.

**Question:** Item # 607.09 Woven Wire Fence - Their is not typical detail for this item. The standard spec book calls for 4' tall woven wire fence, however, Item 607.093 Deer Escape Jump Outs - call for 8' ROW fencing. Please clarify the height of the right of way fence and which side of the fence posts the wire mesh is to be installed on. Placing the wire mesh on MDOT's side of the post as opposed to the landowners side (facing away from roadway) would be much less expensive and labor intensive due to the landowners side would not be cleared to allow for the fence to be installed efficiently.

**Response:** All fencing is 8 foot except for where it is 4 foot from Sta. 180+00 to 219+00 on both sides, as noted on page H40 (SHEET NUMBER 190 of 870 of the Contract Plan Set). See Standard Detail 607(07) for wire mesh installation.

**Question:** Are there any AutoCAD files available for this job?

**Response:** MicroStation DGN's have been posted to the MaineDOT website under the heading "CADD Files". These files are for reference only. MaineDOT is not responsible for any discrepancies with the plan set.

Consider these changes and information prior to submitting your bid on **November 10, 2021**.

Sincerely,



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

**SPECIAL PROVISION**  
**SECTION 105**  
**General Scope of Work**  
**(Contract Supplied Equipment)**

Replace the following Standard Specification:

105.6.2.4 Department Verification The Contractor shall furnish **3** Global Navigation Satellite System (GNSS) or Global Positioning System (GPS) Rovers and **1** Robotic Total Stations (RTS) equipment to the Department with the same capabilities as those used by the Contractor or other approved method, such as reference staking, to allow the Department to independently verify the accuracy of the work, as approved by the Department.

This equipment referred to above shall be compatible with the system(s) used by the Contractor and be provided to the Project Resident prior to the Contractor commences Work using electronic layout methods. This equipment shall stay in the possession of the Department for the duration of the project and shall be returned, in good condition, to the Contractor upon final acceptance of the field work. Any augmented features (such as laser refinement) used by the Contractor shall be included in the features available on the equipment provided to the Department.

The Contractor shall provide manufacturer-certified training on the use of the GNSS, GPS, and/or RTS equipment and the Contractor's systems to Department project personnel prior to beginning any Work. This training is for the purpose of providing Department project personnel with an understanding of the equipment, software, and electronic data being used by the Contractor.

SPECIAL PROVISION  
SECTION 615  
COMPOST BLANKET

Description

This work shall consist of furnishing and placing compost to create a uniform blanket (compost blanket) for seeding, in reasonably close conformity with the thicknesses and locations called for on the Plans or as authorized.

Materials

The recipe for the Compost Blanket shall be a one to one blend by volume of compost and loam meeting the following requirements:

The loam shall meet requirements of Section 615.02 Loam or as approved by the Resident.

The compost for the Compost Blanket shall meet the following requirements:

Compost shall be produced by the aerobic (biological) and biochemical decomposition of source separated organic materials.

Compost shall be derived from a mixture of the following feedstock materials:

1. Green material consisting of chipped, shredded, or ground vegetation, or clean processed recycled wood products (Maine Department of Environmental Protection (MaineDEP) Type IA, IB)
2. Manure
3. Mixed food waste (MaineDEP Type IB, IC)

Compost shall not be derived from mixed municipal solid waste and must be reasonably free of visible contaminants. Compost shall not contain paint, petroleum products, pesticides, industrial residuals or any other chemical residues harmful to animal life or plant growth. Compost shall not possess objectionable odors.

The compost shall be produced at a licensed facility as specified under MaineDEP Chapter 410: Composting Facilities that regulates Solid Waste Facilities. If exempt from State permitting requirements, the composting facility shall certify that it follows guidelines and procedures for production of compost meeting the environmental standards of Chapter 410.

Compost shall meet the following parameters:

<b>Parameter</b>	<b>Requirement</b>
Acidity Range	5.5 pH to 8.5 pH
Moisture Content	30-60% wet weight basis
Organic Content	25-65% dry weight basis
Particle Size	100% passing 3 inches 90-100% passing 1 inch 65-100% passing ¾ inch 0-75% passing ¼ inch
Physical Contaminant	<1% dry weight basis
Soluble Salts	< 5.0 mmhos/cm
Carbon: Nitrogen Ratio	15-25:1
Total Nitrogen	<1.7%
Organic N	<1.5%
Total Phosphorus	<1.0%
Total Potassium	<0.5%
Stability	<8 mg CO <sub>2</sub> -C per g OM per day

Maturity Test: The finished compost must be tested and classified as “Very Mature” by one of the following methods, or another method as approved by the resident:

<b>Method</b>	<b>Units</b>	<b>Very Mature</b>	<b>Mature</b>	<b>Immature</b>
Oxygen Uptake Rate (OUR Test)	O <sub>2</sub> / unit TS / hr	<0.4	0.4 - 1.3	>1.3
Specific Oxygen Uptake Rate (SOUR Test)	O <sub>2</sub> / unit BVS / hr	<0.5	0.5 - 1.5	>1.5
Dewar Self-Heating Test	Temp. rise (°C)	<10	10 - 20	>20
Solvita Test	Index value	7-8	5-6	<5

Compost shall conform to all applicable specification requirements prior to its final placement on the project. The practice of culling deleterious or out-of-specification material after placement and/or grading in place will not be allowed.

Submittal Requirements

The contractor shall provide MaineDOT with a 5-gallon compost sample at least 14 days prior to application for laboratory testing if deemed appropriate before use, and documentation from the compost supplier of the following information:

1. The source(s) of compost.
2. Laboratory results that show that the compost delivered to the project meets the compost parameters listed above. An independent Seal of Testing Assurance (STA) Program certified laboratory shall perform the analysis.
3. Compost supplier references documenting that they are fully permitted by MaineDEP to produce compost.
4. MaineDOT reserves the right to have an additional Soil Analysis Test to reject the material and request an alternative material that passes acceptable standards.

#### Batch Mix- Compost and Loam

Compost and Loam shall be combined in equal (1 to 1) portions, by volume and mixed to produce homogeneous product approved by the Resident.

#### 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 to review the installation area and to answer questions in regard to the layout and installation. The final locations and limits of compost blanket shall be laid out by the Contractor prior to installation for review and approval by the Resident.

#### Preparing Areas

All slopes and other areas where compost is to be placed shall be shaped to the required grade as shown in the Plans. The area shall be uniformly graded and be free of obstructions, rocks, clods, roots and soft or low-density pockets of material that could result in the concentration of surface water drainage. Prior to placing the compost blanket, the slopes shall be roughened by track-walking or rolling with a sheepsfoot roller.

#### Placing Compost Blanket

The Compost Blanket material (50% compost / 50% loam) shall be placed on the inslopes as shown in the Plans. The Compost Blanket shall be placed by the Contractor using conventional earthmoving equipment, distributed by hand using a shovel, by mechanical means such as a spreader unit (e.g., bulldozer, excavator, manure spreader), or pneumatic blower. The Compost Blanket shall be spread in a manner as to establish a loose, friable seed bed from the edge of the pavement to the toe of the slope except for the following sections:

- Sta. 276+50LT – Sta. 287+40LT: The Compost Blanket application width, as measured parallel to the slope, shall be 30 ft from the edge of the pavement,
- Sta. 276+00RT – Sta. 287+40RT: The Compost Blanket application width, as measured parallel to the slope, shall be 35 ft from the edge of the pavement,

The Compost Blanket shall be spread to the uniform final thickness of 2” for slopes 4:1 or less and 4” for slopes greater than 4:1 after light compaction with a 100 pound roller or other approved means after spreading with one of the aforementioned methods.

#### Seeding

The finished Compost Blanket shall be seeded using the “Seeding Hydromulch Growth Medium” per Special Provision 618.146. Areas shall be seeded the same Working Day as the placement of the Compost Blanket and before stabilization.

Stabilization

The Contractor shall maintain the Compost Blanket by repairing all damaged areas and by correcting all shifting of the blanket due to wind, water, or other causes. Erosion Control Blanket shall be installed over the seeded compost blanket prior to the end of each Working Day. Any additional disturbed soil stabilization shall be considered incidental to, and be completed in accordance with, Section 656.

Method of Measurement

Compost Blanket (50% compost / 50% loam mix) will be measured by the cubic yard complete in place after finishing to the required depths as shown on the plans or directed. Lateral measurements will be parallel with the slope of the ground. No additional payment shall be made for the disruption or replacement of any signage, utilities, or similar manmade items during Compost Blanket installation.

Basis of Payment

Compost blankets shall be paid for at the contract unit price per cubic yard, in place and accepted. No extra payment will be made for scarifying existing surface. Payment for the “Seeding Hydromulch Growth Medium” shall be made under Pay Item 618.146. Payment for Erosion Control Blanket shall be made under Pay Item 613.319. 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:

Pay Item

Pay Unit

615.081

Compost Blanket

Cubic Yard