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

Paul R. LePage
GOVERNOR

David Bernhardt
COMMISSIONER

August 2, 2016
Subject: **Culvert Replacement**
State Project No: 022419.00
Location: **Nobleboro and Newcastle**
Amendment No. 2

Dear Sir/Ms:

The Bid Opening date for this contract has been changed to **August 10, 2016.**

CHANGE on page 11 "NOTICE TO CONTRACTORS", the bid opening date in the first paragraph from "August 3, 2016" to read "**August 10, 2016**". Make this change in pen and ink.

REMOVE pages 29 thru 31, "Construction Notes" dated 7/7/2016 and **REPLACE** with the attached revised "Construction Notes", 3 pages, dated 8/1/2016.

REMOVE page 44, "SPECIAL PROVISION, SECTION 107, TIME" dated June 29, 2016 and **REPLACE** with the attached revised "SPECIAL PROVISION, SECTION 107, TIME" 1 page, dated July 27, 2016.

INSERT attached "SPECIAL PROVISION, SECTION 104, (Utilitites), 1 page, dated 7/29/2016 after page 87.

Consider these changes and information prior to submitting your bid on **August 10, 2016**

Sincerely,

FOR

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

Nobleboro and Newcastle Win# 22419.00
Route 1, Biscay and River road
Culvert Replacements and Culvert End
July 29, 2016

SPECIAL PROVISION
SECTION 104
(Utilities)
(Biscay Road Location)

1. The MaineDOT has determined that there is a water main 14' from center on the outlet side at elevation 91.12+-. This allows for a 1' separation from the top of the water main to the bottom of the culvert.

2. The contractor will place a piece of 2'X8' 2" thick Styrofoam Insulation over the water main and the sand between the Styrofoam and new culvert for cushion between the two structures.

Nobleboro and Newcastle
WIN: 22419.00
Route 1, Biscay and River Road
Culvert Replacements and Culvert End
August 1, 2016

CONSTRUCTION NOTES

ITEM 603.2790 72" CULVERT PIPE OPTION III, PIPE 1

Located in Nobleboro on Route 1 at GPS coordinates N 44.0942, W 69.4658
Existing: 72"S x 48"R +- x 20' CMP hooked to a concrete box. Centerline Elevation = 100.00
Proposed: 72" x 20' CMP Polymer Coated connected to a concrete box.

Inlet Side Existing	
Offset: 38' (along culvert) Elev.: 90.59	
Inlet Side Proposed	
Offset: 38' (along culvert) Elev.: 88.75	

- Pipe 1 is an In-Water location and downstream flow conditions shall be maintained as required by Special Provision 105 Environmental Requirements. The Contractor will be required to handle and pump water such that the stream is always flowing and no dirty water leaves the site. The Contractor shall use cofferdams; sand bags **are** allowed.
- In-Water work on Pipe 1 is only allowed from July 15 to September 30.
- The Contractor shall place riprap 2' thick on the in-slopes from the highway mark to the edge of pavement. Approximately 15 cubic yards of riprap is estimated.
- The propose culvert shall be a polymer coated, corrugated metal pipe and shall be attached to the existing concrete box using angle iron and cement mortar. Attaching the culvert pipe to the concrete box shall be incidental to the culvert pipe item.

CONSTRUCTION NOTES

ITEM 603.2190 36" CULVERT PIPE OPTION III, PIPE 2

Located in Newcastle on Route 1B approximately 550' northeast of the River Road intersection. The outlet lies at GPS coordinates N 44.0343, W 69.5366
Existing: 24" – 36" x 240' culvert pipe. This is a catch basin outlet that goes to the ocean.
Proposed: 36" x 240' Culvert Pipe Option III. The inlet end will connect to the existing catch basin; a catch basin will be added at the midpoint for a clean out; the outlet end will match existing.
Bench Mark: Nail in Stump, Elevation = 100.00

Inlet Side Existing	Outlet Side Existing
Existing catch basin outlet, Elev.: 101.11	Approx. 240' from the existing catch basin, Elev.: 88.83
Inlet Side Proposed	Right Side Proposed
Existing catch basin outlet, Elev.: 101.11	Approx. 240' from the existing catch basin, Elev.: 88.83

- The outfall of Pipe 2 is into an In-Water location as defined in Special Provision 105 Environmental Requirements. The Contractor shall be required to handle and pump water such that no dirty water leaves the site.
- Buried electrical lines exist at this location. Reference Special Provision 104.
- The Contractor shall place heavy riprap 4' deep at the outlet of the culvert pipe as directed. Approximately 75 cubic yards of heavy riprap will be required.
- The connection to the existing catch basin for the proposed drainage will not be paid for separately, but shall be considered incidental to the culvert pipe item.
- All existing landscaping that needs to be disturbed shall be replaced such that the final condition of the project site will be similar to existing, or as directed. This will be considered incidental to the culvert pipe.
- The existing trees may need to be trimmed to allow for construction equipment access and for construction work. This work shall be overseen by a licensed arborist. These trees will be trimmed only to the extent that is absolutely necessary.
- The contractor will use the smallest excavator possible to perform the work. The contractor will use 5 CY dump Trucks where practical.
- The flow line of the new culvert is intended to be 5.5'-6.0' below the top of the existing ground except at the outlet and at the catch basin connection.
- All efforts will be made to avoid damaging trees, tree roots and bushes.
- The existing catch basin on route 1B may be replaced at the contractor's option. If the contractor chooses this option the Department will write a contract modification in the amount of $4,000.

CONSTRUCTION NOTES

ITEM 604.09 CATCH BASIN TYPE B1

- Catch Basin shall be located at the midpoint between the inlet and outlet of Pipe 2 (approximately 120' from the existing catch basin), or as directed.
- Grate elevation shall be 101.80'. Invert elevations shall be 94.50', both in and out.
- In place of the grate, the Catch Basin shall have a solid cover. A Manhole Top "D" is acceptable. The word "Drain" or words "Storm Drain" shall be molded into the cover.

ITEM 603.390 73" SPAN x 55" RISE PIPE ARCH OPTION III, PIPE 3

Located in Newcastle on the Biscay Road approximately 0.75 miles west of route 1B at GPS coordinates N 44.0368, W 69.4962
Existing: 24" x 70' CMP. Centerline Elevation = 100.00
Proposed: 73"S x 55"R x 70' Pipe Arch Option III

Inlet Side Existing	Outlet Side Existing
Offset: 30' (along culvert) Elev.: 95.12	Offset: 40' (along culvert) Elev.: 93.02
Inlet Side Proposed	Outlet Side Proposed
Offset: 30' (along culvert) Elev.: 93.00	Offset: 40' (along culvert) Elev.: 92.00

- The proposed pipe arch will be supplied by MaineDOT. The Contractor shall pick up the pipe arch at the MaineDOT Maintenance Yard in Waldoboro, 1480 Old Route One. MaineDOT will not be available to load the culvert. Coordination must be done at the preconstruction meeting.
- Pipe 3 is an In-Water location and downstream flow conditions shall be maintained as required by Special Provision 105 Environmental Requirements. The Contractor will be required to handle and pump water such that the stream is always flowing and no dirty water leaves the site.
- Steel sheeting or steel sheet cofferdams shall be used as required by Special Provision 511 Cofferdams. Sand bags **are not** allowed.
- In-Water work on Pipe 3 is only allowed from July 15 to September 30.
- The Contractor shall place riprap 2' thick on the inslopes around both ends of the culvert above the high water mark. Approximately 25 cubic yards of riprap will be required.
- Hot Mix Asphalt shall be placed in the trench for a total depth of 5", placed in multiple lifts not to exceed 2.5".

Nobleboro and Newcastle Win# 22419.00
Route 1, Biscay and River road
Culvert Replacements and Culvert End
July 27, 2016

SPECIAL PROVISION
SECTION 107
TIME
(Contract Time)

1. The contractor may commence work at any time as long as the contract has been awarded, all plans have been submitted and approved, and a preconstruction meeting has been held.

2. The completion date for this contract is **November 20th , 2016**.

3. The contractor will be allowed to suspend work between pipe locations as long as it is shown in the schedule of work.

4. All In Water work shall be completed by September 30th, 2016.

5. The contractor will not be allowed to work September 2nd to September 6th or any Sundays.

6. Once the contractor commences work, they will have 28 calendar days to complete the project. For every calendar day over the 28 days allotted, the contractor will be charged $250.00 in supplemental liquidated damages.