

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 1

CONTRACT 2015.06

**INTERCHANGE 36 SACO TOLL PLAZA LANE ADDITION (MM 36.0) & VARIABLE
MESSAGE SIGN RELOCATION (MM 28.3)**

Make the following changes to the bid documents:

In the Contract Plans, **REMOVE** sheets 2 and 24 and **REPLACE** with the attached revised Sheets 2 and 24.

In the Contract Documents, Part 2-Special Provisions, Section 202 REMOVING STRUCTURES AND OBSTRUCTIONS (Removing Existing Structural Concrete), on Page SP-22 completely **REPLACE** the first paragraph in subsection 202.01 Description that begins “This work shall include...” with the following:

This work shall include removal and disposal of the existing VMS support structure foundation to 6” below grade located in the median and to 6” below the cellular confinement system at the VMS foundation located in the embankment side slope at the Saco (MM 36.0) site.

In the Contract Documents, Part 2-Special Provisions, Section 626 FOUNDATIONS, CONDUIT AND JUNCTION BOXES FOR HIGHWAY SIGNING, LIGHTING AND SIGNALS (30-Inch Diameter, Greater Than 8-ft Long, and All 36-Inch and 42-Inch Diameter Foundations), on Page SP-139 completely **REPLACE** the first paragraph in subsection 626.034A Shaft Construction Tolerances that begins “Shafts shall be constructed so that...” with the following:

Shafts shall be constructed so that the center at the top of the shaft is within a horizontal tolerance equal to 3-inches. The anchor assembly shall be constructed such that the center of the anchor rod assembly is within a horizontal tolerance equal to 1-inch. Larger diameter shafts and rebar cages will be allowed by Contractor substitution with no additional compensation.

Note: the above items shall be considered as part of the bid submittal.

A Pre-Bid Conference was held on March 9, 2015 at 9:00AM at the Maine Turnpike Authority for this project. The attached agenda and sign-in sheets are included.

The total number of pages included with this addendum is nine (9) and two (2) revised Contract Plan sheets.

All bidders are requested to acknowledge the receipt of the Addendum No. 1 by signing below and faxing this sheet to Nate Carll, Purchasing Department, (207) 871-7739. Bidders are also required to acknowledge receipt of this Addendum No. 1 on Page P-14 of the bid package.

Business Name

Print Name and Title

Signature

Date

March 9, 2015

Very truly yours,
MAINE TURNPIKE AUTHORITY

Nathanial F. Carl
Purchasing Manager
Maine Turnpike Authority

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2015.06

Toll Plaza Lane Addition and VMS Relocation

SACO TOLL PLAZA LANE ADDITION (INTERCHANGE 36 SACO TOLL PLAZA) & VARIABLE MESSAGE SIGN (VMS) RELOCATION TO MAINLINE IN ARUNDEL (MM 28.3)

March 9, 2015 9:00 AM

1) Location:

The general limits of work are at Mile 28.3 (Station 1360+00) in Arundel and at Mile 36.0 (Exit 36 Interchange at Saco Toll Plaza on I-195) in Saco.

2) General Description:

The work consists of the addition of a dedicated lane to the right side of the existing on ramp toll plaza beginning 600 feet west of the Saco Exit 36 Toll Plaza on I-195 and extending easterly 1160 feet to approximately 400 feet east of the Saco Exit 36 Toll Plaza. The widening will include widening existing road embankment with geofoam and granular material, replacement/relocation of existing guardrail, constructing a separating island, provisions for toll equipment including an overhead gantry and maintenance of traffic. In addition, the project includes relocating an existing overhead Variable Message Sign (VMS) and its supporting structure, controls and controller cabinet at Interchange 36 in the Saco side plaza to a location on the southbound mainline near Limerick Road in Arundel (MM 28.3); constructing two new VMS drilled shaft foundations; constructing a new controller cabinet foundation, adding new guardrail; widening the embankment and extending a drainage pipe for the new guardrail; modifying the median guardrail; providing electrical service; and all other work incidental thereto in accordance with the Plans and Specifications.

Coordination with the toll system integrator for toll equipment installation will be required. There will be potential overlap with the toll plaza toll equipment upgrade project that follows this contract. Utility coordination is necessary for the relocation of the VMS sign structure and its controls at the Arundel mainline site.

3) Bid:

- a) March 17, 2015 at 11:00 A.M. at MTA Headquarters 2360 Congress Street, Portland.
- b) All bid and contractual questions shall be directed to Purchasing Department, Phone No. (207) 871-7771, Ext. 115.

- c) All questions on plans and specifications shall be in writing and shall be directed (faxed) to Purchasing Department, of the Maine Turnpike Authority. Fax No. (207) 871-7739 or ncarl@maineturnpike.com.
- 4) Notification:
- a) Contractor shall notify and obtain approval from the Authority prior to visiting the Project site for field inspection. The contact person is Mr. Steve Tartre at (207) 871-7771, ext. 144.
- 5) Maine Department of Labor – Fair Hourly Wages (Special Provision 104.3.8)
- a) Heavy and Bridge wages
 - b) Highway and Earthwork wages
- 6) General Requirements
- a) U-Turns at toll plazas and median openings not allowed, subject to fines. (General Provision 105.5.1)
 - b) Contractor access to and from the mainline shall not negatively impact mainline traffic flow. The Contractor may be required to establish lane closures to provide for safe access. Refer to Special Provision 652, Specific Project Maintenance of Traffic Requirements, for lane closure requirements and restrictions.
 - c) All vehicles used on the Project, including concrete delivery trucks, shall be equipped with amber flashing beacons in accordance with the General Provision 652.61.
 - d) Class III safety vests must be worn at all times in accordance with Special Provision 652.2.5
- 7) Permit Requirements (Special Provision 105.8.2)
- a) The Project is being constructed under the Maine DEP Natural Resources Protection Act Permit by Rule (PBR) for activities adjacent to protected natural resources. A copy of the PBR regulations and permit are in Appendix C.
 - b) The Project permitting also requires that Contractor shall not clear, disturb or otherwise impact other wetlands at the site during construction, including those located near approximate Station 118+00 to 119+00, and near Station 124+00 left, as shown on the project plans.
 - c) The Project is subject to the requirements of the Maine Pollutant Discharge Elimination System (MPDES) General Permit for Stormwater Discharge from Construction Activity
 - d) A Notice of Intent (NOI), accompanied by a preliminary Limit of Disturbance (LOD) of 2.59 acres have been filed by MTA with Maine DEP. Contractor shall prepare and file a **final** LOD.

- e) Compliance with the Maine Pollutant Discharge and Elimination System (MPDES) General Permit for the Discharge of Stormwater from MTA's Municipal Separate Storm Sewer Systems (MS4) requirements outlined in this Contract is required by the Contractor.
 - f) Compliance with the erosion and sedimentation control requirements outlined in this Contract is required by the Contractor.
 - g) MaineDOT Best Management Practices (latest issue), subject to fines in accordance with General Provision 105.8.1.
- 8) Construction Schedule/Prosecution of Work:
- a) April 6, 2015—Contract start
 - b) August 28, 2015 – Substantial Completion
 - c) October 30, 2015—Contract Completion date
 - d) Substantial completion defined as additional toll lane open to traffic with final striping complete, guardrail installed, tolling equipment operational and signage completed at Saco Toll Plaza shall be complete by.
 - e) Liquidated damages on a calendar day basis in accordance with Subsection 107.7.2 shall be assessed for each calendar day that project completion is not achieved. In addition, liquidated damages of Two Thousand Five Hundred (\$2,500) Dollars per calendar day shall be assessed for each calendar day that the Saco Exit 36 Toll plaza substantial completion is not achieved.
 - f) Supplemental liquated damages for:
 - i) VMS sign and structure relocated to the Arundel site and in service with traffic fully operational with all guardrail in place by July 1, 2015. Subject to One Thousand (\$1,000) Dollars per calendar day.
 - ii) Longer term median lane closure with temporary concrete barrier for median VMS sign structure foundation, median guardrail installation, and minor median grading work shall not exceed seven (7) consecutive calendar days. Subject to One Thousand (\$1,000) Dollars per calendar day.
 - iii) The oversize load restrictions at the Saco Toll Plaza, that occur during Phase 2 of the construction, shall not exceed fourteen (14) consecutive calendar days. Subject to Five Thousand (\$5,000) Dollars per calendar day.
- 9) VMS Relocation Traffic Control (Special Provision Section 652):
- a) Two lane traffic shall be maintained on Limerick Road in Arundel at all times, as the Contractor's primary access to the VMS relocation site will be via the Maine Turnpike service access road from the mainline near MM28.3.

On the mainline Maine Turnpike in Arundel (MM 28.3), the following shall be allowed:

- b) Short-term single shoulder or lane closures at any time with approval of the Resident.
- c) A longer term median lane closure with temporary concrete barrier for a maximum of seven (7) consecutive calendar days for the median foundation and guardrail construction. This closure is subject to Supplemental Liquidated Damages contained in Section 107.4.6. This lane closure shall not be permitted during the Memorial Day Weekend holiday period.
- d) Double lane closures shall only be allowed on Monday to Thursday between 8:00 p.m. and 6:00 a.m. and on Fridays between 10:00 p.m. and 6:00 a.m.
- e) Complete closure of traffic is permissible for certain operations that endanger the public safety. They are allowed between the hours of 10:00 p.m. and 5:00 a.m.

On I-195 in Saco (MM 36.0), the following shall be allowed:

- f) Short-term single lane closures in the immediate area of the existing VMS at any time except between the hours of 5:00 a.m. and 9:00 a.m. daily. Lane closures at the toll plaza including the outside wide load lane shall not be permitted at any time.
- g) As indicated later in these specifications, complete closure of traffic is permissible for certain operations that endanger the public safety. They are allowed between the hours of 10:00 p.m. and 5:00 a.m.

10) Saco MM 36.0 (Lane Addition) Traffic Control (Special Provision Section 652):

On I-195 in Saco (MM 36.0), the following shall be allowed:

- a) Phase 1 provides a long-term right shoulder closure with 11' minimum travel lanes and adjacent temporary concrete barrier. Short-term single lane closures in the immediate area of the existing VMS at any time except between the hours of 5:00 a.m. and 9:00 a.m. daily. Refer to Temporary Toll Plaza Lane Closure for requirements with closing lanes at the toll plaza.
- b) Phase 2 continues to provide a long-term right shoulder closure with restricted Wide Loads. This Wide Load restriction shall have a maximum of seven (7) days. Contractor shall coordinate with Resident and provide a written request one (1) week in advance to the Resident.
- c) At the completion of Phase 2, contractor shall reset temporary concrete barrier behind proposed island if guardrail protecting the embankment has not been installed. Temporary barrier placed behind the island shall tie into existing barrier with 8:1 taper rates.

11) Toll Plaza Traffic Control (Special Provision Section 652):

- a) Plaza lanes shall remain available for opening at all times except when the Contractor is performing work in, adjacent to or directly over the plaza lanes.

- b) Temporary plaza lane closures will only be allowed at the following times for work occurring in the toll plaza lanes or over them:
 - i) Single toll plaza lane may be closed from 9 AM to 3PM and from 7 PM to 5 AM
 - ii) Two toll plaza lanes may be closed from 10 PM to 4 AM
- c) Plaza lane closures not completely removed by the ending time specified will be subject to a lane rental fee of \$100.00 per 10 minutes for every 10 minute increment beyond the specified ending time.

12) Specific Contract Items

- a) Section 107.8.1 – Fabrication Time
 - i) 14 days budgeted for continuous, full-time fabrication inspection of structural steel (toll gantry).
- b) Section 202 – Concrete Removal
 - i) Special Provision 202 will be amended to only require removal of the existing VMS side slope foundation to 6” below the bottom of the proposed riprap to be consistent with Plan Sheet 24, Note 5.
- c) Section 203 - Geofoam lightweight fill
 - i) The approved EPS block supplier shall submit complete shop drawings for the installation.
 - ii) Review of the shop drawings or revised shop drawings will be completed within 10 working days of receipt.
 - iii) EPS blocks shall not be shipped to the site prior to notification that the shop drawings have been approved for construction.
 - iv) Special details on Plan Sheet 16 for the interface between the geofoam and the gantry and sign post foundations.
 - v) May require long lead time on procurement.
- d) Section 403 - Hot Mix Asphalt Pavements
 - i) Full Width I-195 Westbound (Station 109+00 +/- to Station 111+50 +/-, left). Pay Items 202.203-Pavement Butt Joint and 403.21-Hot Mix Asphalt, 9.5 mm will be used in this area to address an existing drainage issue.
 - ii) Plan note on Sheet 2 will be revised via bid addendum to be consistent with limits of work shown in the table on Special Provision page SP-53.
- e) Section 503 – GFRP reinforcing in roadway concrete slab
- f) Section 504 – Structural Steel
 - i) AISC Cbr or Sbr shop certification required for gantry fabrication
- g) Section 518 – Concrete Repair
 - i) Concrete removal and repair limits in the existing toll plaza concrete island under the proposed gantry foundation subject to Resident approval.
- h) Section 526 – Temporary Concrete Barrier Type I – Supplied by Authority
 - i) The concrete barrier sections are stored at the Crosby Maintenance Yard at MM 46 SB and shall be returned there.
- i) Section 620
 - i) SP added for adding cellular confinement system on side slopes steeper than 2H:1V.
- j) Section 626

- i) SP added for concrete drilled shaft foundations for the VMS support structure at the Arundel site.
- ii) Several submittals required including Construction Experience and Installation Narrative.
- iii) Bottom of excavation inspected and approved by Resident with Geotechnical Engineer consultation.
- iv) SP Section 626.034A will be amended via bid addendum to address a question from a bidder regarding horizontal placement tolerance.
- v) Permanent slip casing required at top of shaft to at least 2 feet below grade, wet-set into shaft concrete.
- vi) Warranty against lean and corrosion for 2 year period.
- k) Section 645 – Highway Signing
 - i) SP added for the removal, disassembly, and relocation of the VMS and Supporting Structure
 - ii) Removal will be necessary prior to embankment construction in that area.
 - iii) Nighttime work required for work over traffic in accordance with Section 652.
 - iv) Existing support structure corrosion and any damage to the galvanizing caused by the Contractor's operations shall be repaired.

13) Questions:

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

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SACO TOLL PLAZA LANE ADDITION (INTERCHANGE 36 SACO TOLL PLAZA)
& VARIABLE MESSAGE SIGN (VMS) RELOCATION TO MAINLINE IN ARUNDEL
(MM 28.3)

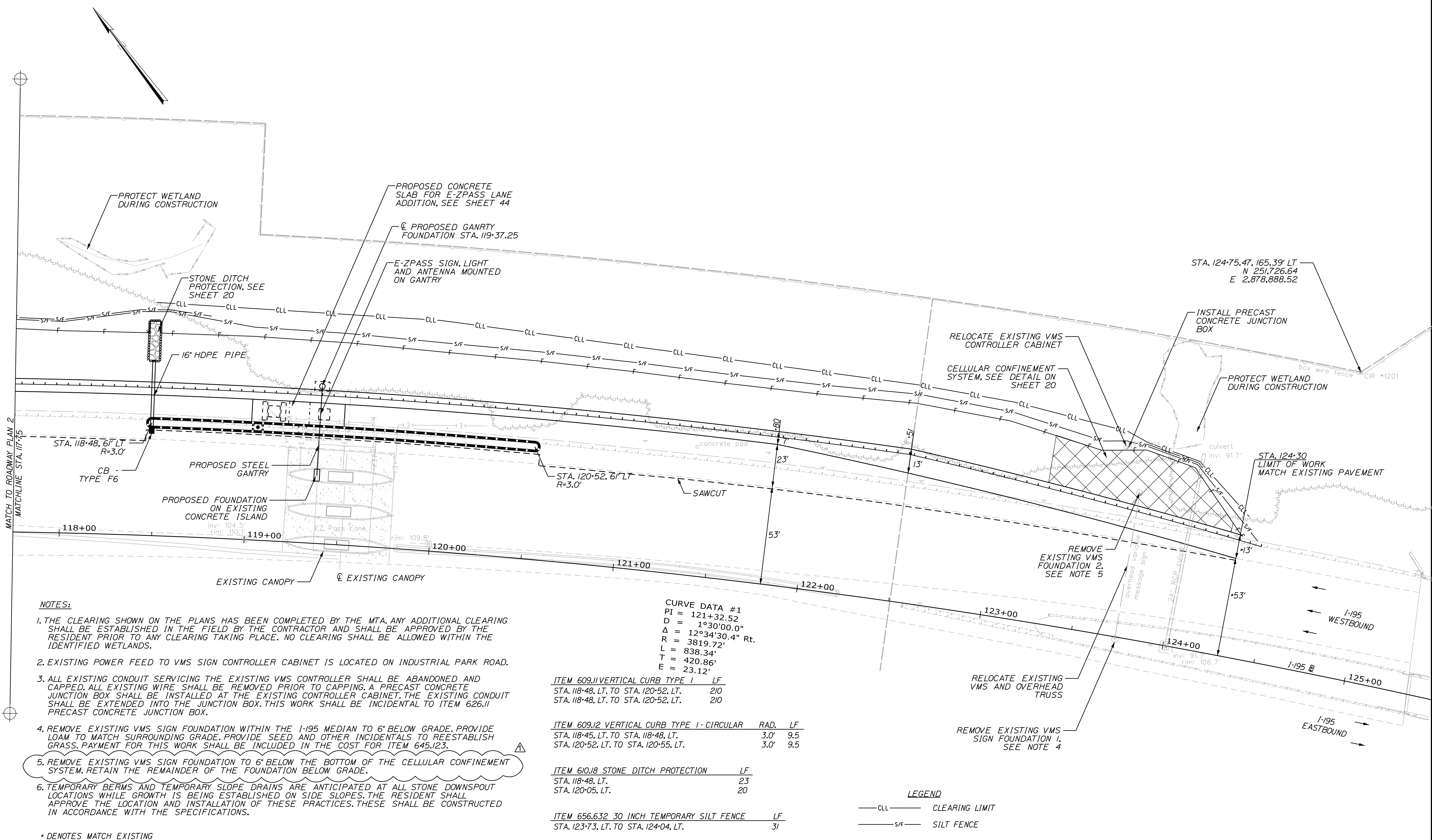
March 9, 2015 9:00 AM

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NOTE: AN ESTIMATED QUANTITY OF ITEM 202.203 PAVEMENT BUTT JOINT - 350 SY AND ITEM 403.21 HOT MIX ASPHALT, 9.5 mm - 100 TONS, HAVE BEEN INCLUDED TO ADDRESS THE PAVEMENT SHIM NEEDED ON I-95 WESTBOUND (STATION 109+00 +/- TO STATION 111+50 +/-, LEFT) AT INTERCHANGE 36.

Date: 3/9/2015

Filename: ...\\HIGHWAY\\MSTA\\016_Plan_03.dgn



Scale: 25 0 25 50
Scale of Feet

No.	Revision	By	Date
1	Addendum No. 1	TFD	3/15

Designed by:

Stantec

CONSULTANT PROJECT MANAGER: GREG EDWARDS, PE

	By	Date		By	Date
Designed	TFD	02/15	Checked	GAE	02/15
Drawn	PZA	02/15	In Charge of	GAE	02/15

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: RALPH C. NORWOOD, IV, PE

INTERCHANGE 36
SACO TOLL PLAZA LANE ADDITION
ROADWAY PLANS
(3 OF 4)

SHEET NUMBER:
24 OF 54

CONTRACT: 2015.06