

**MAINE TURNPIKE AUTHORITY**

**ADDENDUM NO. 1**

**CONTRACT 2015.11**

**WEST GARDINER BARRIER TOLL PLAZA**  
**OPEN ROAD TOLLING CONVERSION**  
**MILE 100.2**

**The bid opening date is Thursday 3/19/15 at 11am.**

The following changes are made to the Proposal, Specifications and Plans.

**GENERAL**

All questions regarding Contract 2015.11 shall be submitted by March 16, 2015 at 3pm. Questions received after that time may not be answered.

**PROPOSAL**

Proposal Sheet P-3 is deleted and replaced with P-3 (Revised 3/09/2015) attached hereto. The revisions to this proposal sheet modify the quantities for Items 203.20 Common Excavation, 206.08 Structural Earth Excavation – Major Structures and 304.10 Aggregate Subbase Course – Gravel.

Proposal Sheet P-4 is deleted and replaced with P-4 (Revised 3/09/2015) attached hereto. The revision to this proposal sheet modifies the quantity for Item 403.209 Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (sidewalks, drives, islands & incidentals).

Proposal Sheet P-5 is deleted and replaced with P-5 (Revised 3/09/2015) attached hereto. The revisions to this proposal sheet modify the quantities for Items 502.262 Structural Concrete, Pavement Slabs and 503.90 Synthetic Fiber Reinforcement.

Proposal Sheet P-11 is deleted and replaced with P-11 (Revised 3/09/2015) attached hereto. The revision to this proposal sheet modifies the quantity for Item 626.311 18-Inch Diameter Drilled Shaft.

**SPECIFICATIONS**

- Special Provision 107.4.6 Prosecution of Work, the third paragraph under Phase 1A: Project Start to Interim Completion Date 1A shall be deleted and replaced with the following:

“The Contractor shall complete all concrete and electrical work associated with NB Lane 1 and SB Lane 8 and island extension to the construction joint for Islands A and G and turned over to the System Integrator and the Authority for commissioning by

Interim Completion Date 1A. Upon commissioning by the System Integrator and the Authority, the Contractor has five (5) working days to open NB Lane 1 and SB Lane 8 to traffic. The new southbound parking area and all associated work except for surface pavement shall also be completed prior to opening Lane 8 but may remain closed until surface pavement is complete or the start of Phase 2.

- Special Provision 107.4.6 Prosecution of Work, the fourth paragraph and liquidated damages table under Section Phase 2: ORT Construction shall be deleted and replaced with the following:

Supplemental liquidated damages of Two Thousand-Five Hundred (\$2,500.00) Dollars per calendar day per the following dates shall be assessed for each calendar day that activities listed below are not completed:

	<u>Liquidated Damages Date</u>	<u>Supplemental Liquidated Damage per Calendar Day</u>	<u>Max</u>
Interim Completion Date 1A	May 29, 2015	\$2,500	N/A

- Special Provision 107.6 Completion Incentive and Disincentive, the Incentive/Disincentive table shall be deleted and replaced with the following:

	<u>Date</u>	<u>Incentive/Disincentive per Calendar Day</u>	<u>Max Incentive</u>	<u>Max Disincentive</u>
Interim Completion Phase1A	May 29, 2015	\$2,000	\$10,000	N/A

- Special Provision 502 STRUCTURAL CONCRETE (SP- 98) Item 3. Structural Concrete, Pavement Slabs in Section 502.18 Method of Measurement is revised as follows: The words “ORT slab” is deleted and replaced with “Cash Lane slabs”.
- Special Provision 502 STRUCTURAL CONCRETE (SP-99) Item 5. Structural Concrete Slab Infill. in Section 502.18 Method of Measurement is revised as follows: The words “the existing structural slab” are added after the words “regions of”.
- Special Provision 652 MAINTENANCE OF TRAFFIC (Specific Project Maintenance of Traffic Requirements) the fourth sentence of the second paragraph in the Maine Turnpike Traffic Control Requirements Section is deleted and replaced with the following, “Unless approved by the Resident, all operations requiring right lane or shoulder closures within the toll plaza limits shall not occur during Phase 2. The toll plaza limits are from Station 5108+00 to 5124+00.”

## **PLANS**

Sheet S-11 Sheet 86 of 118 is revised as follows: NB Plan, Delete dimension 61'-9" (MIN.) and replace with 57'-0" dimensioning to the centerline of the columns to match the NB Elevation on the same sheet.

## **QUESTIONS**

**The following are questions asked at the pre-bid meeting held on March 3, 2015 or submitted to the Maine Turnpike Authority in writing. Answers to the questions are noted. Bidders shall utilize this information in preparing their bid.**

Question 1: Regarding the incentive/disincentive date, how can the Contractor be held to a date that may be delayed due to the third party System Integrator?

Answer: The incentive/disincentive section of the Special Provisions is clarified above in the addendum.

Question 2: Is there a pay item for Crack Sealer?

Answer: Yes. Item 424.323 Asphalt Rubber Fiber Crack Sealer – Applied.

Question 3: What is driving the no right lane or shoulder closure during Phase 2 restriction? A right lane or shoulder restriction will be necessary to for the installation of the overhead signs.

Answer: The intent is to restrict right lane closure in the area of the toll plaza. This is clarified above in the addendum.

## **ATTACHMENTS**

- Proposal Sheets (4 pages)
- Pre-Bid Agenda (4 pages)
- Pre-Bid Sign-In sheets (1 page)

**Notes:** The above items shall be considered as part of the bid submittal.

The total number of pages included with this addendum is Thirteen (13).

All bidders are requested to acknowledge the receipt of the Addendum No. 1 by signing below and faxing this sheet to Nathaniel Carll, Purchasing Department, Maine Turnpike Authority at 207-871-7739. Bidders are also required to acknowledge receipt of this Addendum No. 1 on Page P-22 of the bid package.

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Business Name

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Print Name and Title

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Signature

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Date

March 9, 2015

Very truly yours,

MAINE TURNPIKE AUTHORITY

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Nathaniel Carll  
Purchasing Department  
Maine Turnpike Authority

**SCHEDULE OF BID PRICES  
 CONTRACT NO. 2015.11  
 WEST GARDINER BARRIER TOLL PLAZA  
 OPEN ROAD TOLLING CONVERSION  
 MILE MARKER 100.2**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
202.15	Removing Existing Manhole or Catch Basin	Each	6				
202.17	Removing Existing Structural Concrete	Lump Sum	1				
202.202	Removing Pavement Surface	Square Yard	9,500				
203.20	Common Excavation	Cubic Yard	4,400				
203.241	Common Borrow, Truck Measure	Cubic Yard	3,550				
203.25	Granular Borrow	Cubic Yard	350				
205.51	Widening of Existing Shoulder, Plan Quantity	Linear Foot	2,000				
206.08	Structural Earth Excavation – Major Structures	Cubic Yard	75				
304.09	Aggregate Base Course - Crushed	Cubic Yard	1,220				
304.10	Aggregate Subbase Course - Gravel	Cubic Yard	2,250				
403.207	Hot Mix Asphalt, 19.0 mm Nominal Maximum Size	Ton	2,700				

**CARRIED FORWARD:**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
403.208	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size, Surface	Ton	140				
403.2083	Hot Mix Asphalt, 12.5 mm (Polymer Modified)	Ton	1,450				
403.209	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (sidewalks, drives, islands & incidentals)	Ton	530				
403.211	Hot Mix Asphalt (shimming)	Ton	280				
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size, Base	Ton	930				
409.15	Bituminous Tack Coat, Applied	Gallon	2,750				
419.30	Sawing Bituminous Pavement	Linear Foot	4,000				
424.323	Asphalt Rubber Fiber Crack Sealer - Applied	Pound	950				
459.061	Bituminous Concrete Waterway, Type II	Each	2				
470.081	Berm Dropoff Correction – Grindings, Non-Guardrail Areas	Ton	3,600				
502.231	Structural Concrete, Space Frame Pedestals	Cubic Yard	30				
502.261	Structural Concrete, Grade Beams and ORT Slabs	Cubic Yard	205				

**CARRIED FORWARD:**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
502.262	Structural Concrete, Pavement Slabs	Cubic Yard	82				
502.263	Structural Concrete, Plaza Islands and Slab Infill Concrete	Cubic Yard	93				
502.264	Structural Concrete, Departure Slab	Cubic Yard	46				
503.14	Epoxy-Coated Reinforcing Steel, Fabricated and Delivered	Pound	19,200				
503.15	Epoxy-Coated Reinforcing Steel, Placing	Pound	19,200				
503.18	Glass Fiber Reinforced Polymer (GFRP) Reinforcing Bars, Fabricated and Delivered	Pound	42,600				
503.19	Glass Fiber Reinforced Polymer (GFRP) Reinforcing Bars, Placing	Pound	42,600				
503.90	Synthetic Fiber Reinforcement	Pound	1,300				
504.80	Space Frame Canopy, Fabricated and Delivered	Lump Sum	1				
504.81	Space Frame Canopy, Erection	Lump Sum	1				
504.90	Steel Post Support System	Lump Sum	1				
504.91	Mounting Bracket Assemblies	Lump Sum	1				

<b>CARRIED FORWARD:</b>							
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Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
618.1411	Seeding Method Number 3, Plan Quantity	Unit	51				
619.1201	Mulch, Plan Quantity	Unit	51				
619.1202	Temporary Mulch	Lump Sum	1				
620.58	Erosion Control Geotextile	Square Yard	20				
626.11	Precast Concrete Junction Box	Each	12				
626.31	18 Inch Foundation	Each	2				
626.311	18-Inch Diameter Drilled Shaft	Linear Foot	235				
626.32	24 Inch Foundation	Each	24				
626.3321	36-Inch Diameter Drilled Shaft	Linear Foot	126				
626.3322	36-Inch Diameter Drilled Shaft - Rock Socket	Linear Foot	48				
627.681	Temporary 6 Inch Painted Pavement Marking Line - Yellow or White	Linear Foot	10,800				
627.77	Removing Existing Pavement Marking	Square Foot	5,700				

**CARRIED FORWARD:**



# MAINE TURNPIKE AUTHORITY

## Pre-Bid Conference

### CONTRACT 2015.11

#### West Gardiner Barrier Toll Plaza

#### Open Road Tolling Conversion

#### MM 100.2

March 3, 2015 10:00 AM

1. Location:

The general limits of work are from Mile 98.1 (Station 5004+00) to Mile 102.4 (Station 5231+00) in West Gardiner.

2. General Description:

The work consists of removing four interior toll lanes and constructing one northbound and one southbound ORT lane along with installation of infrastructure and select portions of toll equipment in support of the toll system for the ORT lanes for the Maine Turnpike Authority. The work also consists of tolling equipment and infrastructure upgrades in support of the toll system for the cash lanes for the Maine Turnpike Authority.

The work includes earthwork, pavement, concrete, toll plaza demolition and modification, concrete drilled shafts and rock sockets, signing, bridge overpass-mounted, overhead and cantilever sign structures, concrete barrier, guardrail, electrical work, lighting and lightning suppression systems. The work also includes the demolition and replacement of the six inch pavement slab in lanes 1, 2, 7 and 8 and portions of the 12 inch island slabs, repair of the exposed 12 inch structural slab, demolition and installation of tolling equipment in the tunnel, canopy, and toll booth, maintenance of traffic and all other work incidental thereto in accordance with the Plans and Specifications

3. Bid:

- a) Opening: March 19, 2015 at 11:00 A.M. at MTA Headquarters 2360 Congress Street, Portland
- b) All bid and contractual questions shall be directed to Mr. Nate Carll. Phone No. (207) 871-7771, Ext. 115 and all questions on plans and specifications shall be in writing and shall be directed to Nate Carll, Purchasing Manager, of the Maine Turnpike Authority. Fax No. (207) 871-7739.
- c) The Contractor must enter the electrical contractor prequalified by the Maine Department of Transportation for Traffic Signals and Lighting Projects for all the 655 pay item work if awarded the Project in the Proposal.

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 for access to main line and Mr. Rick Barra at (207) 871-7771, ext. 353 for access to toll facilities.

5. Construction Schedule/Prosecution of Work:
  - a) April 8, 2015 – Contract Start Date
  - b) June 12, 2015 – Interim Completion Date 1A (defined in Special Provision Section 107.4.6)
  - c) August 16, 2016 – Substantial Completion (defined in Special Provision Section 107.1.1)
  - d) November 1, 2016 – Contract Completion Date
6. Completion Incentive and Disincentive
  - a) Incentive/Disincentive of \$5,000 per Calendar Day for work complete before or incomplete after Interim Completion Date 1A of June 12, 2015.
    - i) The incentive payment will be treated as a “no excuse date”. The Authority will not allow any excuses by the Contractor, including but not limited to, Contract adjustments, material supply schedule, coordination with System Integrator, and weather.
7. Maine Department of Labor – Fair Hourly Wages (Special Provision 104.3.8)
  - a) Contract includes Heavy and Bridge as well as Highway and Earthwork wage rates
8. Response to Damage Claims (General Provision 104.3.11):
  - a) Contractor responsible for responding to all damage claims, in writing, within 30 days.
9. Utilities
  - a) Authority-owned underground electrical lines are present along plaza pavement feeding lighting.
10. Cooperation With Other Contractors (Special Provision 104.4.7):
  - a) MTA Contract 2015.10 Superstructure Replacement Lunts Hill Road Mile 99.0
  - b) MaineDOT WIN 20216.00 - Route 126 Intersection Improvements in West Gardiner, Maine.
  - c) MaineDOT WIN 20479.00 – Dennis Hill Road Bridge Repairs in Litchfield, Maine.
  - d) Simultaneous work by the System Integrator
11. Maintenance During Winter Construction (Special Provision 105.4.3)
  - a) The Contractor is responsible for the maintenance of erosion control and traffic control devices.
  - b) The Contractor is also responsible for snow and ice removal from all drainage paths and catch basins located behind traffic control devices, in order to maintain drainage away from the paved travel way.
  - c) The Authority is responsible for winter road maintenance on lanes open to traffic and ORT lanes after Substantial Completion.
12. Permit Requirements (Special Provision 105.8.2)

The permits for this include:

- a) US Army Corps of Engineers Programmatic General Permit, Category 1 and The Department of Environmental Protection, NRPA Permit By Rule have been submitted – We are waiting on approval, should be in around March 6<sup>th</sup> and any additional requirements will be included in an addendum.
- b) Maine Pollutant Discharge Elimination System (MPDES) General Permit for Stormwater Discharge from Construction Activity
- c) MaineDOT Best Management Practices followed and a Spill Prevention Control and Countermeasure Plan.
- d) Limit of Disturbance Plan
- e) Newly disturbed soils shall be mulched on a daily basis

13. General Safety Requirements

- a) U-Turns at toll plazas and median openings are not allowed (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 company, personal, and delivery vehicles shall be equipped with amber flashing beacons in accordance with the General Provision 652.6.1.
- d) Class 3 safety vests must be worn at all times in accordance with Special Provision 652.2.5

14. Limitations of Operations (Special Provision 107.4.7)

- a) All in-water work for the culvert extensions at 5103+75 shall be completed between July 15, 2015 and October 1, 2015.
- b) Wide loads will be allowed to pass through the Project area during daylight hours as authorized by the Authority with the exception of during Phase 1A. Wide loads are restricted from moving on the turnpike from a half hour after sunset until a half hour before sunrise. Wide loads must be able to safely pass all daytime work areas.
- c) The Contractor will be allowed to mill the entire work area prior to beginning the paving operation in the work area provided the milled areas can be surfaced within two weeks. Temporary ramps shall be installed if the milling and paving operation do not occur in the same closure(s). The Contractor shall submit his milling and paving schedule for review and acceptance.
- d) The Contractor shall limit the construction operations such that temporary pavement markings or pavement markers are applied daily prior to the roadway being open to traffic.
- e) Care shall be taken when working near catch basins to ensure foreign material and contaminants do not enter the basin. If foreign material and/or contaminants enter the basin, it shall be removed prior to the material exiting the basin into a waterway. Removal shall be completed to the satisfaction of the Resident and payment shall be incidental to the Contract.

- f) The Contractor shall submit his proposed staging and storage areas for approval by the Resident. All stored equipment must be outside of the clear zone. Proposed equipment storage locations shall be selected based on (1) proximity to UIS/Protected Natural Resources; (2) minimizing rutting or other actions that may hinder sheet flow from roadway; and (3) spill control and prevention, in the event of a fluid release from the equipment.
- g) There shall be no H-pile or sheet pile driving during non-daylight hours. Pile driving will not be allowed within 10 feet of traffic.

15. Traffic Control Highlights, See Special Provision Section 652 for all requirements:

- a) Two toll plaza lanes shall remain open at all times from 05:00 a.m. to 07:00 p.m. unless approved.
- b) Temporary toll plaza lane closures may be required for lanes not designated for long term closure on the Maintenance of Traffic Control Plans for Phases 1 or 2. (See 652 for further details).
- c) Unless approved by the Resident, all operations requiring right lane or shoulder closures shall not occur during Phase 2.
- d) Erection or removal of structural steel and overhead signs is allowed nightly between the hours of 10:00 p.m. and 5:00 a.m. with traffic stoppages (maximum stoppage of 25 minutes). Traffic stoppages are not allowed during holidays.
- e) The Resident is required to receive approval from the Maine Turnpike Authority for all lane closures. The request shall be submitted to the Authority by the Resident at least two (2) working days prior to the day of the requested lane closure.

16. Specific Contract Items

- a) Temporary Median Openings - Contractor shall maintain two temporary openings in the median guardrail to facilitate testing of the ORT lanes with live traffic. These will be closed with guardrail once testing is complete.
- b) Section 424 – Asphalt Rubber Fiber Crack Sealer
  - i) All milled surfaces will be cracked sealed prior to shimming or paving.
- c) Section 526 – Foundations, Conduits, And Junction Boxes For Highway Signing, Lighting, And Signals
  - i) There are two sizes of drilled shafts required on this project: 36-inch diameter drilled shafts with steel reinforcement and rock sockets; and 18-inch diameter drilled shafts with GFRP reinforcement in end-bearing.
- d) Section 526 – Concrete Barrier
  - i) This contract calls for both precast barrier sections as well as cast in place barrier sections.

17. Other:

- a) The MaineDOT Standard Specifications, 2002, shall be used for this project NOT the new 2014 edition.

18. Questions:

**MAINE TURNPIKE AUTHORITY**

Pre-Bid Conference

CONTRACT 2015.11

West Gardiner Barrier Toll Plaza  
Open Road Tolling Conversion  
MM 100.2

March 3, 2015 10:00 AM

PLEASE PRINT

NAME	COMPANY OR FIRM	TELEPHONE NUMBER/FAX	EMAIL
Eric Barnes	MTA	482-8374	ebarnes@maineturnpike.com
Lillian Yates	MTA	492-8306	lyates@maineturnpike.com
Kim Sisco	Wymond Simpson	737-4471	ksisco@wymondsimpson.com
Art Burgess	Pratt's Sons, Inc	345-3311 / 345-3313	art@prattsons.net
Chris Webber	Lane	751 0839 / 333-3527	cwebber@laneconstruct.com
Todd Griffith	Griffith	856-9990 / 856-9998	tgriffith@griffith.com
Math Callahan	St. Laurent & Son	784-7944 / 784-6592	Math@stlaurentandson.com
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Lori Driscoll	HNTB	208-0884	ldriscoll@hntb.com
Nate Carll	MTA	207-482-8115	necarll@maineturnpike.com
Mitchell Boies	CPM Constructors	207-865-0000	mboies@cpmconstructors.com
Birk Hamilton	Bike	207-238-8645	bhamilton@bikeindustries.com
Bruce Mungen	HNTB	207-228-0896	bmungen@hntb.com
Scott Warzohi	MTA	207-482-8181	swarzh@maineturnpike.com

Pre-Bid Sign-In

Contract 2015.11

Page 1 of \_\_\_\_\_