

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 1

CONTRACT 2016.09

**CLEANING AND PAINTING STEEL STRUCTURES -
MOUSAM RIVER OVERPASS BRIDGES,
EXIT 52 INTERCHANGE BRIDGE AND
EXIT 53 INTERCHANGE BRIDGE**

MILES 25.0, 51.6, & 52.4

The bid opening date and time remains Thursday, March 17, 2016 at 11 a.m.

The following changes are made to the Proposal and Specifications.

PROPOSAL

Proposal Sheet P-3 and P-4 are deleted and replaced with P-3 (Revised 3/14/2016) and P-4 (Revised 3/14/2016) attached hereto. The revision to these proposal sheets modifies the bid item numbers.

SPECIFICATIONS

- Page SP-57 of 95 is deleted and replaced with Page SP-57 of 95 (Revised 3/14/2016).
- Page SP-81 of 95 is deleted and replaced with Page SP-81 of 95 (Revised 3/14/2016).

QUESTIONS

No questions were asked at the pre-bid meeting held on March 4, 2016 or submitted to the Maine Turnpike Authority in writing.

ATTACHMENTS

- Proposal Sheets P-3 (Revised 3/14/2016) & P-4 (Revised 3/14/2016) (2 pages)
- Page SP-57 of 95 (Revised 3/14/2016) (1 page)
- Page SP-81 of 95 (Revised 3/14/2016) (1 page)
- Pre-Bid Agenda (5 pages)
- Pre-Bid Sign-In Sheet (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 Twelve (12).

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-6 of the bid package.

Business Name

Print Name and Title

Signature

Date

March 14, 2016

Very truly yours,

MAINE TURNPIKE AUTHORITY

Nathaniel Carll
Purchasing Department
Maine Turnpike Authority

**SCHEDULE OF BID PRICES
 CONTRACT NO. 2016.09
 CLEANING AND PAINTING STEEL STRUCTURES -
 MOUSAM RIVER OVERPASS BRIDGES
 EXIT 52 INTERCHANGE BRIDGE AND EXIT 53 INTERCHANGE BRIDGE**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
506.141	Field Painting of Existing Structural Steel - Mousam River Overpass Bridges (40000 SF)	Lump Sum	1				
506.141	Field Painting of Existing Structural Steel - Exit 52 Interchange Bridge (17650 SF)	Lump Sum	1				
506.141	Field Painting of Existing Structural Steel - Exit 53 Interchange Bridge (11750 SF)	Lump Sum	1				
506.171	Surface Preparation of Existing Structural Steel - Mousam River Overpass Bridges (40000 SF)	Lump Sum	1				
506.171	Surface Preparation of Existing Structural Steel - Exit 52 Interchange Bridge (17650 SF)	Lump Sum	1				
506.171	Surface Preparation of Existing Structural Steel - Exit 53 Interchange Bridge (11750 SF)	Lump Sum	1				
506.181	Containment System and Pollution Control Measures - Mousam River Overpass Bridges (40000 SF)	Lump Sum	1				
506.181	Containment System and Pollution Control Measures - Exit 52 Interchange Bridge (17650 SF)	Lump Sum	1				
506.181	Containment System and Pollution Control Measures - Exit 53 Interchange Bridge (11750 SF)	Lump Sum	1				
506.191	Disposal of Special Waste or Hazardous Waste - Mousam River Overpass Bridges (40000 SF)	Lump Sum	1				
506.191	Disposal of Special Waste or Hazardous Waste - Exit 52 Interchange Bridge (17650 SF)	Lump Sum	1				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
506.191	Disposal of Special Waste or Hazardous Waste - Exit 53 Interchange Bridge (11750 SF)	Lump Sum	1				
526.306	Temporary Concrete Barrier, Type I - Supplied by Authority (1000 LF)	Lump Sum	1				
527.341	Work Zone Crash Cushion - TL-3	Unit	2				
619.1202	Temporary Mulch	Lump Sum	1				
629.05	Hand Labor, Straight Time	Hour	30				
631.35	Foreman	Hour	15				
631.40	Welding Machine (including operator)	Hour	10				
652.361	Traffic Control Devices and Maintenance of Traffic Control Devices - Mousam River Overpass Bridges	Lump Sum	1				
652.361	Traffic Control Devices and Maintenance of Traffic Control Devices - Exit 52 Interchange Bridge	Lump Sum	1				
652.361	Traffic Control Devices and Maintenance of Traffic Control Devices - Exit 53 Interchange Bridge	Lump Sum	1				
652.41	Portable Changeable Message Sign	Each	3				
652.45	Truck Mounted Attenuator	Calendar Day	160		150 ⁰⁰		24000 ⁰⁰

CARRIED FORWARD:							
-------------------------	--	--	--	--	--	--	--

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
506.141 Field Painting of Existing Structural Steel - Exit 52 Interchange Bridge	Lump Sum
506.141 Field Painting of Existing Structural Steel - Exit 53 Interchange Bridge	Lump Sum
506.171 Surface Preparation of Existing Structural Steel - Exit 52 Interchange Bridge	Lump Sum
506.171 Surface Preparation of Existing Structural Steel - Exit 53 Interchange Bridge	Lump Sum
506.181 Containment and Pollution Control Measures - Exit 52 Interchange Bridge	Lump Sum
506.181 Containment and Pollution Control Measures - Exit 53 Interchange Bridge	Lump Sum
506.191 Disposal of Special Waste or Hazardous Waste - Exit 52 Interchange Bridge	Lump Sum
506.191 Disposal of Special Waste or Hazardous Waste - Exit 53 Interchange Bridge	Lump Sum

652.8.2 Other Items

The following Pay Items are added:

<u>Pay Item</u>		<u>Pay Unit</u>
652.361	Traffic Control Devices and Maintenance of Traffic Control Devices - Mousam River Overpass Bridges	Lump Sum
652.361	Traffic Control Devices and Maintenance of Traffic Control Devices - Exit 52 Interchange Bridge	Lump Sum
652.361	Traffic Control Devices and Maintenance of Traffic Control Devices - Exit 53 Interchange Bridge	Lump Sum

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2016.09

Cleaning And Painting Steel Structures -
Mousam River Overpass Bridges,
Exit 52 Interchange Bridge And
Exit 53 Interchange Bridge

Miles 25.0, 51.6, & 52.4

March 4, 2016 - 11:00 AM

1) Location:

The work is located on or adjacent to the Maine Turnpike in Kennebunk, Portland and Falmouth, Maine. The general limits of work are as shown in the Contract plans.

2) General Description:

Mousam River Overpass Bridges: Cleaning and painting selected areas of structural steel and metal work, and all non-galvanized bearing assemblies, with a high ratio copolymerized calcium sulfonate paint system along with all work incidental thereto in accordance with the Specifications.

Exit 52 Interchange Bridge: Cleaning and painting selected areas of structural steel and metal work, and all non-galvanized bearing assemblies, with a three coat NEPCOAT paint system along with all work incidental thereto in accordance with these Specifications.

Exit 53 Interchange Bridge: Cleaning and painting all structural steel and all areas of metal work, excluding the fascia girders and galvanized cross frames, diaphragms, bearing bolsters and bearing assemblies installed in 2012, with a three coat NEPCOAT paint system along with all work incidental thereto in accordance with these Specifications.

3) Bid Questions:

- a) All bid and contractual questions shall be directed to Nate Carll, Purchasing Manager at Phone No. (207) 871-7771, Ext. 115.
- b) All questions on plans and specifications shall be in writing and shall be directed (faxed) to Nate Carll of the Maine Turnpike Authority. Fax No. (207) 871-7739.

4) Notification:

- a) Contractor shall notify and obtain approval from the Authority prior to visiting the Project sites for field inspection. The contact person is Mr. Steve Tartre at (207) 871-7771, ext. 144.

- 5) Contract Specifications:
 - a) The Specifications are divided into two parts: Part I, Supplemental Specifications, and Part II, Special Provisions.
 - b) The Maine Turnpike Supplemental Specifications are additions and alterations to the 2014 Maine Department of Transportation Section 100 Standard Specifications. See Supplemental Specifications Subsection 100.1.
- 6) Maine Department of Labor – Fair Minimum Wage Rates (Special Provision 104.3.8)
 - a) The Fair Minimum Wage Rates apply to all Contract work.
- 7) Responsibility for Property of Others (Supplemental Specification 104.3.11):
 - a) Contractor responsible for responding to all damage claims within 15 days. This language has been revised from previous MTA contracts.
- 8) Hauling of Materials and Equipment (Supplemental Specification 105.5.1):
 - a) U-Turns at toll plazas and median openings not allowed.
- 9) Permit Requirements (Special Provision 105.8.2):
 - a) The Project is subject to the requirements of the Maine Pollutant Discharge Elimination System (MPDES) General Permit for Stormwater Discharge from Construction Activity.
 - b) A Notice of Intent (NOI) was not submitted by the Authority to the MaineDEP for coverage under the Maine Construction General Permit (MCGP) whereas the anticipated area of disturbance is less than one acre (.95 acre calculated). Should the Contractor's operations expect to exceed, or exceed, one acre the Contractor shall submit a revised Limit of Disturbance Plan for review by the Authority and submission to MaineDEP. All work shall cease at the site where the disturbance area is expect to exceed, or exceeds, the one acre until a revised Limit of Disturbance Plan has been reviewed and accepted by the MaineDEP.
 - c) Compliance with the erosion and sedimentation control requirements outlined in this Contract is required by the Contractor.
 - d) The Project will be performed in accordance with the MaineDOT Best Management Practices (BMP) latest issue.
- 10) Adjustments for Delay (Supplemental Specification Section 109.5) :

This language has been revised from previous MTA contracts.
- 11) Traffic Control (Special Provision Section 652):
 - a) All jobsite personnel shall wear a safety vest labeled as ANSI 107-2004 standard performance for Class 3 risk exposures. This requirement also applies to truck drivers and equipment operators when out of an enclosed cab.

- b) All vehicles used on the Project, including all delivery trucks and personal vehicles, shall be equipped with amber flashing beacons in accordance with the Special Provision 652.2.4. The requirements for flashing beacons has been revised and should be reviewed.
- c) The Contract has specific windows, based on time of day, day of week, week of month and month of year that lane closures are permitted to undertake the work. Note the penalties for early setup and/or late removal of a lane closure.
- d) Lane closures shall be removed if work requiring the lane closure is not ongoing unless included in the Contract as a long-term traffic control requirement or approved by the Resident.
- e) The Contractor is responsible for supplying, inspecting and maintaining traffic control devices in accordance with the Project specifications.
- f) All signs, which do not apply to current construction activity, shall be 100% covered or removed in accordance with the plans. This includes speed limit signs when the work zone speed is in effect.
- g) All traffic control devices shall be NCHRP 350 compliant. 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.

Project Specific Items

Bid Opening: March 17, 2016 at 11:00 A.M. at MTA Headquarters, 2360 Congress Street, Portland, ME.

1) **Construction Schedule/Prosecution of Work:**

- a) March 24, 2016: MTA Board to consider Contract Award.
- b) September 16, 2016: All Night Painting Shall Be Complete.
- c) October 15, 2016: Project Substantial Completion Date.
- d) November 10, 2016: Contract Completion Date.

2) **Cooperation With Other Contractors (Special Provision 104.4.7):**

- a) Within the vicinity of bridges being painted, the following contracts are considered adjacent:
 - i) MTA Contract 2015.13, Falmouth Spur (Exit 52) Toll Plaza Open Road Tolling Conversion will be under construction at the Exit 52 Toll Plaza throughout 2016.
 - ii) MTA Contract 2015.09, Exit 53 Toll System Upgrade will be under construction at the Exit 53 Toll Plaza throughout 2016.
 - iii) MTA Contract 2016.01, Pavement Rehabilitation, Clear Zone Improvements, Eagles Nest Road Bridge Repairs, and Hunts Hill Road Bridge Repairs, between Mile 54.5 and Mile 64.4, northbound and southbound is scheduled for construction between March and October 2016.

3) **Substantial Completion (Special Provision 107.1.1):**

- a) All painting shall be completed by October 16, 2016.

- i) Supplemental Liquidated Damages will be assessed per the table in MaineDOT Standard Specification 107.7.2 for every day substantial completion is not meet.
- 4) Specific Contract Items:
- a) Section 106.9.1 Warranty by Contractor
 - i) The Contractor unconditionally warrants and guarantees that the high-ratio calcium sulfonate alkyd paint system Work and the NEPCOAT paint system Work will be free from warranty defects for two (2) years from the date of Final Acceptance.
 - ii) The warranties shall include all costs associated with the Remedial work as approved by the Authority including but not limited to traffic control, surface preparation of structural steel, containment system, disposal of hazardous material, field painting, and other incidentals required for the work.
 - b) Section 110.2.1 Bonds
 - i) Paint system specific warranty requirements are outlined in section 106.9.1. The two year paint system warranties shall be included in the Performance and Payment Bonds issued for this contract.
 - c) Section 105.2.4.2 Lead Paint
 - i) General requirements for removing, handling, storing and disposal of lead based paint and lead based paint waste are outlined in this Section. Also outlined in this Section are specific onsite or remote storage requirements, hazardous waste transport requirements, temporary provisional generator requirements, and Uniform Hazardous Waste Manifest requirements.
 - d) Special Provision 506 - Painting of Structural Steel (Lead Abatement and HRCSA Coating System)
 - i) A stand-alone Special Provision outlining the work at the Mousam River Overpass bridges in Kennebunk using the HRCSA Coating System. Also outlined in this Special Provision are requirements (partial list) for materials, submittals, inspection, quality assurance, contractor qualifications, the field coating system, waste management, hazardous material plan, containment enclosure, lead health, protective devices, and construction methods. The method of measurement and basis of payment are also addressed.
 - ii) Note the existing beam ends typically have a solvent or waxed based bituminous coating that was installed for corrosion protection. The coating, generally referred to as “tectyl coating”, may be under the existing paint system or a topcoat applied to the existing paint system. This solvent or waxed based bituminous coating shall be removed in its’ entirety prior to the application of the specified paint system.
 - iii) Per Subsection E. Surface Preparation in Section 506.29 Field Coating System the two median riveted girders with pack rust shall receive a minimum of 3 separate 5,000 psi HP WC (high-pressure water cleaning) at five gallons per

minute with Chlor*Rid®. A minimum of one hour shall pass between subsequent water cleanings to the existing paint system. This solvent or waxed based bituminous coating shall be removed in its' entirety prior to the application of the specified paint system

- e) Special Provision 506 - Painting of Structural Steel (Lead Abatement and NEPCOAT Coating System)
 - i) A stand-alone Special Provision outlining the work at the Exit 52 Interchange and Exit 53 Interchange bridges in Portland and Falmouth using the NEPCOAT Coating System. Also outlined in this Special Provision are requirements (partial list) for materials, submittals, inspection, etc. similar to the requirements for HRCSA Coating System. The method of measurement and basis of payment are also addressed.
 - ii) Note the existing beam ends typically have a solvent or waxed based bituminous coating that was installed for corrosion protection. The coating, generally referred to as "tectyl coating", may be under the existing paint system or a topcoat applied to the existing paint system. This solvent or waxed based bituminous coating shall be removed in its' entirety prior to the application of the specified paint system.
- f) Section 526 – Temporary Concrete Barrier
 - i) Temporary concrete barrier shall be used for permanent right shoulder closures during Mousam River Overpasses bridge painting.
- g) Section 652 – Maintenance of Traffic – Truck Mounted Attenuator
 - i) Utilized in lane closures or other construction operations where workers are exposed to traffic and not protected by positive means.
 - ii) Pay unit has been revised to Calendar Day with an allowance of 160 calendar days at \$150 per Calendar Day. The Calendar Day unit price is set by the Authority and cannot be changed by the bidders.
- h) Contractor shall erect Portable Changeable Message Signs at locations identified by the Resident. The Portable Changeable Message Signs shall be available at least 10 days prior to the start of the Contract work, and shall be available for the duration of the Contract.

5) Questions:

3/4/16

Sign In - Contract 2016.09 MTA BRIDGE MAINTENANCE

Mitch Elliott HNTB mielliott@HNTB.COM

Clayton Hoak HNTB choak@hntb.com

KRIST VAN OUYEN MTA kvanooyen@maineturnpike.com

Scott Warchol MTA swarchol@maineturnpike.com

JAKE ADAMS CPM JWADAMS@CPMCONSTRUCTORS.COM

Nate Carll MTA ncarll@maineturnpike.com

NICK HAZIMINHAUS SPARTAN call in

LEE STANLEY POPIA Call in