

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 1

CONTRACT 2018.07

ANDROSCOGGIN RIVER BRIDGES

SUBSTRUCTURE REPAIRS

MILE 78.9

The bid opening date is Tuesday 3/20/2018 at 10:00 am.

The following changes are made to the Proposal and Specifications.

GENERAL

Addendum No. 2 is scheduled to be issued on March 15, 2018 (Thursday) all questions regarding Contract 2018.07 should be submitted by the end of the day March 13, 2018 (Tuesday) to be answered in this addendum. Questions received after that time may not be answered.

PROPOSAL

Proposal Sheet P-4 through P-5 are deleted and replaced with P-4 (Revised 3/7/2018) through P-5 (Revised 3/7/2018) attached hereto. The revision to these proposal sheets includes a quantity increase of Item 652.35 Construction Signs and the addition of Item 652.38 Flaggers.

SPECIFICATIONS

- Special Provision 104.4.7 Cooperation With Other Contractors, is deleted and replaced with the following.
 - Adjacent contracts currently scheduled for the 2018 construction season include:
 - MTA Contract 2018.10 – Danville Corner Underpass Bridge Repair MM 75.8
 - MTA Contract 2018.10 – Curtis Brook Culvert Repair MM 87.49
 - MTA Contract 2018.10 – Fisher Road Underpass Bridge Repair MM 87.5
 - MTA Contract 2018.12 – Mainline Pavement Rehabilitation, Drainage Improvements and Guardrail Upgrades
- Special Provision 107.4.6 Prosecution of Work, item c) is deleted and replaced with the following:
 - c. Southbound lane closures with concrete barrier will not be allowed until August 10, 2018. Southbound lane closures with concrete barrier will not be allowed before August 10, 2018 and it should be expected that any other southbound traffic control or lane prior to August 10, 2018 will be restricted based on the work performed for Mainline Pavement Rehabilitation Contract 2018.12.

- Special Provision Section 652 MAINTENANCE OF TRAFFIC (Specific Project Maintenance of Traffic Requirements), in the section Maine Turnpike Traffic Control Requirements the following is added as a footnote to the table:

Temporary lane closures are permitted to be in place up to 3 days before a long term lane closure with barrier is required.

- Special Provision Section 652 MAINTENANCE OF TRAFFIC (Specific Project Maintenance of Traffic Requirements), the following section has been added:

Riverside Drive Traffic Control Requirements

Two lanes of traffic on Riverside Drive shall be maintained at all times with the exception of when the Contractor needs to inspect or repair the post tensioning when a single lane controlled by flaggers is permitted. Single lane closure with flagger shall follow Typical Application 10 in the Manual on Uniform Traffic Control Devices, latest edition. Construction Signs have been quantified using 36” x 36” dimensions for local roads.

Temporary concrete barrier and work zone crash cushion will be required if the existing guardrail needs to be pulled for access to Pier 1 for repairs. In addition, if the staging is installed behind the existing guardrail but within 3’ from the face of guardrail, temporary concrete barrier and work zone crash cushion will be required.

- Special Provision Section 652 MAINTENANCE OF TRAFFIC (Specific Project Maintenance of Traffic Requirements), the following subsection is added:

Section 652.7 Method of Measurement:

Temporary concrete barrier and work zone crash cushions required for work on Riverside Drive shall be incidental to Item 652.361 Maintenance of Traffic Control Devices.

QUESTIONS

The following are questions asked at the pre-bid meeting held on March 6, 2018 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: Are short term lane closures with drums permitted as part of this contract?

Answer: As noted in the table in Section 652 Maintenance of Traffic (Specific Project Maintenance of Traffic Requirements), temporary lane closures are permitted 24 hours per day starting at 7:00 p.m. Sunday through 6:00 p.m. Friday as long as work is ongoing. Temporary lane closures are permitted to be in place up to 3 days before a long term lane closure with barrier is required.

Question 2: Specifications call for no northbound lane closures with concrete barrier after August 10, 2018 and lane closures with concrete barrier on the southbound roadway are not permitted to start until August 13, 2018. Can these dates be revised to allow for some overlap so the concrete barrier doesn’t need to be handled multiple times?

Answer: Yes, Special Provisions will be updated to allow the southbound lane closures with concrete barrier to be allowed to start on August 10, 2018.

Question 3: Are the contract numbers accurate in Section 104.4.7 Cooperation with Other Contractors?

Answer: Yes. However, Hackett Road has been replaced with Curtis Brook.

Question 4: For the post tensioning work and inspection, can flaggers be used to facilitate work above Riverside Drive because there currently is not a pay item?

Answer: Yes, flaggers may be used and the item will be added as part of this addendum.

Question 5: Will concrete barrier be required on Riverside Drive if staging is used to access Pier 1 for repairs?

Answer: Temporary concrete barrier and work zone crash cushion will be required if the existing guardrail needs to be pulled for access to Pier 1 for repairs. In addition, if the staging is installed behind the existing guardrail but within 3' from the face of guardrail, temporary concrete barrier and work zone crash cushion will be required. Both the temporary concrete barrier and work zone crash cushions are incidental to Item 652.361 Maintenance of Traffic Control Devices.

Question 6: The quantity of temporary rumble strips seems high.

Answer: The quantity of temporary rumble strips is based on the number of times a unit is utilized in a temporary lane closure with drums. A unit consists of one group of three full lane width of rumble strips.

Question 7: Are As-Builts of the most recent repair contract available?

Answer: Yes, they will be posted on the MTA's website, maineturnpikeauthority.com.

Question 8: Can we get a copy of the underwater inspection report to understand amount of debris to be removed?

Answer: Yes, it will be posted on the MTA's website, maineturnpikeauthority.com. However, it should be noted that the inspection report is a snapshot in time in 2016, amount of debris is likely to fluctuate over time. This contract includes debris removal that exists at the time of construction.

ATTACHMENTS

- Proposal Sheets P-4 to P-5 (2 pages)
- 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 7, 2018

Very truly yours,

MAINE TURNPIKE AUTHORITY

Nathaniel Carll
Purchasing Department
Maine Turnpike Authority

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
629.05	Hand Labor, Straight Time	Hour	20				
631.10	Air Compressor (including operator)	Hour	10				
631.11	Air Tool (including operator)	Hour	10				
631.172	Truck - large (including operator)	Hour	20				
631.36	Foreman	Hour	10				
652.30	Flashing Arrow	Each	1				
652.33	Drum	Each	50				
652.34	Cone	Each	50				
652.35	Construction Signs	Square Foot	490				
652.361	Maintenance of Traffic Control Devices	Lump Sum	1				
652.38	Flaggers	Hour	10				
652.41	Portable-Changeable Message Sign	Each	1				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
652.45	Truck Mounted Attenuator	Calendar Day	20				
652.452	Automated Trailer Mounted Speed Limit Sign	Each	1				
652.46	Temporary Portable Rumble Strip	Unit	20	150	00	3000	00
656.64	Boom Supported Floating Silt Fence	Linear Foot	302				
659.10	Mobilization	Lump Sum	1				
TOTAL:							

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2018.07

ANDROSCOGGIN RIVER BRIDGES

SUBSTRUCTURE REPAIRS

MILE 78.9

March 6, 2018, 10:00 A.M.

1) Location:

The general limits of work are as shown on the contract plans at Mile 78.9.

2) General Description:

The work consists of repairing the Androscoggin River Bridges' substructure and superstructure over the Androscoggin River in the Town of Auburn/Lewiston, Maine. The work includes abutment concrete repairs, pier concrete repairs, bearing repairs, joint repairs, post tensioning sleeve repairs, maintenance of traffic, and all other work incidental thereto in accordance with the Plans and Specifications.

3) Bid:

a) Opening: March 20, 2018 at 10:00 A.M. at MTA Headquarters 2360 Congress Street, Portland.

b) All bid and contractual questions shall be directed to Mr. Nathaniel Carll. Phone No.: (207) 482-8115. E-Mail: ncarll@maineturnpike.com.

c) 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.

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 Standard Specifications. See Subsection 100.1.

6) Responsibility for Property of Others (Supplemental Specifications 104.3.11)

a) Contractor responsible for responding to all damage claims within 15 days.

7) Maine Department of Labor – Fair Hourly Wages (Special Provision 104.3.8)

a) Contract includes Heavy and Bridge wage rates.

- 8) Utility Coordination (Special Provision 104.4.6)
- a) Brookfield Renewable Energy owns and operates a series of hydroelectric dams on the Androscoggin River that are located upstream and downstream from the Androscoggin River Bridges. Brookfield's licensing agreements with their regulating agencies generally required an easement be obtained by the MTA for construction. The Contractor is advised that actual water depths will vary from the provided approximate water depths based on a variety of factors including, but not limited to, unforeseen maintenance and repairs necessary at Brookfield's facilities and weather events. The Contractor should plan for variations in water elevations and develop his bid accordingly. The Contractor shall coordinate with representatives from Brookfield's regularly throughout the project while pier repair work is being completed at the Androscoggin River Bridges.
- 9) Cooperation With Other Contractors (Special Provision 104.4.7):
- a) MTA Contract 2018.10 – Danville Corner Underpass Bridge Repair MM 75.8;
- b) MTA Contract 2018.10 – Hackett Road Underpass Bridge Repair MM 76.9;
- c) MTA Contract 2018.10 – Fisher Road Underpass Bridge Repair MM 87.5;
- d) MTA Contract 2018.12 – Mainline Pavement Rehabilitation, Drainage Improvements and Guardrail Upgrades.
- 10) Lead Paint (Special Provision 105.2.4.2)
- a) The Contractor shall note that the existing bridge structure contains lead based paint. A copy of the Lead Determination Report is attached as Appendix A in the Special Provisions. The Contractor shall institute every precaution when working with materials coated with lead based paints.
- 11) Permit Requirements (Special Provision 105.8.2)
- a) The Project is being constructed under the Maine Department of Environmental Protection (DEP) Natural Resources Protection Act Permit by Rule (PBR) regulations Section 11. The project PBR and Section 11 requirements are provided in the special provisions Appendix.
- b) Maine Pollutant Discharge Elimination System (MPDES) General Permit for Stormwater Discharge from Construction Activity.
- c) Limit of Disturbance Plan shall be submitted prior to any disturbance.
- d) The project is located within the MS4 Area and the Contractor will be required to follow and sign the MS4 Awareness plan.
- 12) Construction Schedule/Substantial Completion/Prosecution of Work:
- a) March 26, 2018 – Estimated Contract Start Date
- b) October 12, 2018 – Substantial Completion Date for the proposed repair work for the Androscoggin River Bridges
- c) December 14, 2018 – Contract Completion Date
- d) All Contract work that requires in-water work in the Androscoggin River shall be completed between July 15, 2018 and October 1, 2018.

- e) Northbound lane closures with concrete barrier will be allowed until August 10, 2018. Northbound lane closures with concrete barrier will not be allowed after August 10, 2018 and it should be expected that any other northbound traffic control or lane closures after August 10, 2018 will be restricted based on the work performed for Mainline Pavement Rehabilitation Contract 2018.12.
- f) Southbound lane closures with concrete barrier will not be allowed until August 13, 2018. Southbound lane closures with concrete barrier will not be allowed before August 13, 2018 and it should be expected that any other southbound traffic control or lane prior to August 13, 2018 will be restricted based on the work performed for Mainline Pavement Rehabilitation Contract 2018.12.

13) Limits of Operations (Special Provision 107.4.7)

- a) During jacking of the Northbound bridge at the northern abutment a travel lane closure with temporary concrete barrier shall be in place while the temporary support is in place to minimize live load forces.
- b) Temporary concrete barrier that is placed on new approach pavement shall be placed in a way that protects the new pavement from damage. Any damage to the pavement caused by the temporary concrete barrier use shall be repaired by the Contractor at no cost to the Authority. Alternatively, the Contractor may elect to shorten temporary concrete barrier layout lengths to avoid placement on new pavement.

14) Specific Contract Items

a) Section 201 – Clearing Right-of-Way

- i) This work shall include the removal and disposal of debris (including timber, tree branches, tires, rubbish, etc.) that has accumulated in the Androscoggin River waterway, above and below the waterline. This work includes removal of a single tree trunk measuring approximately 4' in length that is lodged against the north nose of Pier 3.
- ii) All work shall be in accordance with Maine Department of Environmental Protection's Chapter 305 Permit by Rule – Section 12 – Restoration of Natural Areas.
- iii) The Contractor may visit the site to make his own determination as of the quantity of debris to be removed from the bridge site and disposed of.
- iv) Removal of debris will be paid for at the Contract lump sum price, which payment will be full compensation for removal, transportation and disposal of the debris at Contract commencement, completion, and any other times necessary. Payment also includes furnishing all equipment, labor and incidentals necessary to complete the work.

b) Section 504 – Structural Steel

- i) This work includes repairing the existing post-tensioning system conduit sleeves at the Androscoggin River Bridges at locations shown on the Plans and as identified by the Resident. Localized areas of the sleeves have failed and require repair to prevent future moisture penetration. The Contractor shall submit shop or working drawings of the proposed repair detail for approval.
- ii) Post-Tensioning Sleeve Repairs will be paid for at the Contract price per Each installed, completed, and accepted. Payment will be full compensation for removing the existing sleeve,

disposal of the existing sleeve, necessary surface preparation, furnishing and installing the sleeve repair, miscellaneous hardware, all testing, and all equipment, access and incidentals necessary for completing the work in accordance with the Contract Documents. Payment for Post-Tensioning Sleeve Repairs will be made following successful placement, inspection, and approval by the Resident.

c) Section 520 – Expansion Devices – Non-Modular

- i) The work shall include repairing the existing modular joint armor and replacing the seals on the Androscoggin River Northbound bridge at Abutment 2.
- ii) Joint Armor Modification will be paid for at the Contract unit price which price shall be full compensation for removal and disposal of the existing joint seal, removing existing steel armor, furnishing and installing the proposed steel armor, furnishing and installing the expansion device – gland seal, including all materials, labor, tools, equipment and incidentals necessary to complete the work with the Plans and Specifications.

d) Section 523 – Bearings

- i) Cleaning and Painting Bearings shall consist of inspecting and cleaning the steel rocker bearing assemblies (masonry plates, rocker bearings and sole plates) to remain at the locations described on the Plans and rehabilitating them to the satisfaction of the Resident.
- ii) Cleaning and Painting Bearings will be paid for at the contract unit price each, which will be full compensation for all materials, equipment, labor and incidentals required to inspect and rehabilitate the existing bearings to remain including, but not limited to lead removal.
- iii) Repair Bearing shall consist of inspecting and cleaning the existing steel rocker bearing on the Northbound Bridge at Abutment 2 as shown on the Plans. This will generally include removing the existing sole plate (rivets, plate, pins) and replacing it as shown on the Plan details.
- iv) Repair Bearing will be paid for at the contract unit price each, which will be full compensation for all materials, equipment, labor and incidentals required to inspect and rehabilitate the existing bearing to remain including, but not limited to, rivet removal. Jacking and temporary support shall be measured and paid for separately under Item 524.301, Temporary Structural Support.
- v) Repair Bearing Keeper Strap shall consist of replacing the existing keeper straps as described in the Plans in select locations determined by the Resident.
- vi) Repair Bearing Keeper Strap will be paid for at the contract unit price each, which will be full compensation for all materials, equipment, labor and incidentals required to inspect and rehabilitate the existing bearings to remain including, but not limited to anchor rod installation.

e) Section 652 – Maintenance of Traffic

- i) Lane and shoulder closure windows are 24 hours per day starting at 7:00 p.m. Sunday through 6:00 p.m. Friday.
- ii) The Automated Speed Limit Sign Special Provision has been revised and the Contractor shall fill out price in bid form. Automated Trailer Mounted Speed Limit Signs shall only be used

when a work zone speed limit is in place. The Contractor shall manage the utilization and operation of the Automated Trailer Mounted Speed Limit Signs and if at least one is not used when work zone speed limits are in place then it will be considered a Traffic Control Plan violation and result in a reduction of payment as outlined in Section 652.

- iii) The Special Project Maintenance of Traffic Requirements Special Provision has been revised and the Contractor shall fill out price in bid form. When a pay item for a Truck Mounted Attenuator (TMA) is included in the contract at least one TMA will be required on the project and its use will be required. The Truck Mounted Attenuator should be utilized in lane closures and other construction operations where workers are exposed to traffic and not protected by other positive means. The Contractor shall manage the utilization and operation of the TMA and if at least one is not used as described above then it will be considered a Traffic Control Plan violation and result in a reduction of payment as outlined in Section 652.
- iv) The Temporary Portable Rumble Strips Special Provision has been revised. A unit price of \$150 is carried in the bid form. This work consists of furnishing and placing temporary portable rumble strips RoadQuake 2F TPRS or an approved equal. The accepted quantity of temporary portable rumble strips will be paid for at the contract unit price per unit which shall include the transport device. Payment is full compensation for providing, relocating, maintaining or replacing, and removing temporary portable rumble strips.

15) Questions

Contract 2018.07
 Androscoggin River Bridges
 Substructure Repairs



SIGN-IN SHEET
 Please Print

PRE-BID MEETING

March 6, 2018

Name	Company and/or Address	Phone	E-Mail
Kim Sunz	Wynon & Simpson	737 449	ksunz@wynonandsimpson.com
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