

**MAINE TURNPIKE AUTHORITY**

**ADDENDUM NO. 1**

**CONTRACT 2018.15**

**BRIDGE REHABILITATION**  
**COBBOSSEECONTEE STREAM OVERPASS**  
**MILE 99.2**

**BRIDGE REPAIRS**  
**ANDROSCOGGIN RIVER OVERPASS**  
**MILE 78.9**

**The bid opening date is Tuesday 8/21/2018 at 11:00 am.**

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

**GENERAL**

Addendum No. 2 is scheduled to be issued on August 17, 2018 (Friday). All questions regarding Contract 2018.15 should be submitted by the 12:00 pm (noon) on August 16, 2018 (Thursday) to be answered in this addendum. Questions received after that time may not be answered.

**PROPOSAL**

Proposal Sheets P-2 through P-13 are deleted and replaced with P-2 (Revised 8/8/2018) through P-13 (Revised 8/8/2018) attached hereto. The revisions to these proposal sheets includes the following:

- Addition of Item 503.17 Mechanical/Welded Splice
- Quantity updates for Item 503.14 Epoxy-Coated Reinforcing Steel, Fabricated and Delivered and Item 503.15 Epoxy-Coated Reinforcing Steel, Placing
- Addition of \$150 unit price for Item 652.46 Temporary Portable Rumble Strip.

**SPECIFICATIONS**

- Special Provision Section 409 Bituminous Tack Coat, Subsection 409.02 Bituminous Material, the second sentence shall be deleted and replaced with the following: "Bituminous material shall conform to the Specifications for Emulsified Asphalt RS-1 or RS-1h, of the AASHTO Designation M-140."
- Special Provision Section 652 Maintenance of Traffic, Specific Project Maintenance of Traffic Requirements, the table on page SP - 147 shall be deleted and replaced with the following:

<u>Temporary Lane Closures</u>	<u>7:00 p.m. Sunday thru 6:00 p.m. Friday</u>
<u>Temporary Mainline Shoulder Closures</u>	<u>7:00 p.m. Sunday thru 6:00 p.m. Friday</u>
<u>Long Term Lane Closure</u>	<u>24 hours per day, seven days per week</u>
<u>Long Term Shoulder Closure</u>	<u>24 hours per day, seven days per week</u>
<u>Equipment Moves</u>	<u>During low traffic periods as approved by the Authority</u>

## **PLANS**

Plan Sheet EQ-01, sheet 2 of 115, add Item 503.17 Mechanical/Welded Splice with a quantity of 72 EA. Additionally, update the quantity for Item 503.14 Epoxy-Coated Reinforcing Steel, Fabricated and Delivered and Item 503.15 Epoxy-Coated Reinforcing Steel, Placing to 258,900 LB.

Plan Sheet S-01, sheet 37 of 115, add Item 503.17 Mechanical/Welded Splice with a quantity of 72 EA.

## **QUESTIONS**

**The following are questions asked at the pre-bid meeting held on August 7, 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: Is there a bid item for the epoxy coated mechanical splices/couplers shown on drawings S31-S33?

Answer: A bid item has been added for the mechanical splices/couplers as part of Addendum 1.

Question 2: The bid item 503.14 weight shown on drawing 2 of 115 differs from the weight shown on 37 of 115. Which is correct?

Answer: The quantity of 258,900 LB as shown on sheet 37 of 115 is the correct quantity. The bid quantity has been updated as part of Addendum 1.

Question 3: Is the Androscoggin River Overpass joint repair material readily available?

Answer: Yes. The repair detail only requires a steel plate for materials. The existing seals and extrusions are to remain.

Question 4: Will the Cobbosseecontee Stream Overpass temporary diaphragms/bracing remain in the deck?

Answer: Yes, the top flange braces are to be cast into the concrete deck. However, the bottom flange braces shall be removed after deck construction is complete.

Question 5: Can the bid date be moved closer to the board date in September?

Answer: No, the bid date will remain unchanged.

Question 6: Will the Androscoggin River Overpass repairs require divers?

Answer: Yes, as shown on the Plan sheets AR-17 through AR-19 repairs have been identified below the water line. The Contractor is responsible for performing the underwater repairs without dewatering the area around the repairs as stated in the Special Provision Limits of Operations, therefore it should be assumed that some underwater work will be required as part of these repairs. Special Provision 518 provides additional information related to the below water repairs.

**ATTACHMENTS**

- Proposal Sheets P-2 (Revised 8/8/2018) to P-13 (Revised 8/8/2018) (12 pages)
- Pre-Bid Agenda (7 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 Twenty Three (23).

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-14 of the bid package.

\_\_\_\_\_  
Business Name

\_\_\_\_\_  
Print Name and Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date  
August 9, 2018

Very truly yours,

MAINE TURNPIKE AUTHORITY

\_\_\_\_\_  
Nathaniel Carll  
Purchasing Department  
Maine Turnpike Authority

**SCHEDULE OF BID PRICES  
CONTRACT NO. 2018.15  
Bridge Rehabilitation & Repair  
Cobbosseecontee Stream & Androscoggin River Overpass**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
201.31	Removal of Debris	Lump Sum	1				
202.202	Removing Pavement Surface	Square Yard	12,550				
202.2026	Removing Pavement Surface - Drainage Paths	Square Foot	22				
202.206	Removing Rumble Strips	Linear Foot	100				
202.10	Removing Existing Superstructure Property of Contractor	Lump Sum	1				
202.12	Removing Existing Structural Concrete	Cubic Yard	140				
202.13	Removing Existing Railings Retained by Authority	Linear Foot	980				
203.20	Common Excavation	Cubic Yard	930				
203.25	Granular Borrow	Cubic Yard	500				
203.43	Geofoam Lightweight Fill	Cubic Yard	280				
203.45	Leveling Sand	Cubic Yard	69				

**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>							
206.082	Structural Earth Excavation - Major Structures, Plan Quantity	Cubic Yard	420				
206.10	Structural Earth Excavation - Piers	Cubic Yard	700				
304.10	Aggregate Subbase Course - Gravel	Cubic Yard	250				
304.14	Aggregate Base Course - Type A	Cubic Yard	230				
403.207	Hot Mix Asphalt, 19.0 mm Nominal Maximum Size	Ton	700				
403.208	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size	Ton	130				
403.2081	Hot Mix Asphalt, 12.5 mm (Polymer Modified) - RAP	Ton	1,300				
403.2084	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (sidewalks, drives, islands & incidentals)	Ton	80				
403.212	Hot Mix Asphalt, 4.75 mm Nominal Maximum Size	Ton	210				
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base Course)	Ton	620				
409.15	Bituminous Tack Coat - Applied	Gallon	1,435				
419.30	Sawing Bituminous Pavement	Linear Foot	1,980				

**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>							
470.08	Berm Dropoff Correction - Grindings	Ton	16				
470.081	Berm Correction	Linear Foot	1,350				
501.231	Dynamic Loading Test	Each	4				
501.38	Steel H-beam Piles 42 lb/ft, delivered	Linear Foot	510				
501.381	Steel H-beam Piles 42 lb/ft, in place	Linear Foot	510				
501.90	Pile Tips	Each	16				
501.91	Pile Splices	Each	5				
501.92	Pile Driving Equipment Mobilization	Lump Sum	1				
502.219	Structural Concrete, Abutments and Retaining Walls	Lump Sum	1				
502.239	Structural Concrete Piers	Lump Sum	1				
502.24	Structural Concrete Piers (placed under water)	Cubic Yard	310				
502.26	Structural Concrete Roadway and Sidewalk Slab on Steel Bridges	Lump Sum	1				

**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>							
502.264	Structural Concrete Parapets	Lump Sum	1				
502.31	Structural Concrete Approach Slab	Lump Sum	1				
503.14	Epoxy-Coated Reinforcing Steel, Fabricated and Delivered	Pound	258,900				
503.15	Epoxy-Coated Reinforcing Steel, Placing	Pound	258,900				
503.17	Mechanical/Welded Splice	Each	72				
504.702	Structural steel, fabricated and delivered, welded	Lump Sum	1				
504.71	Structural steel erection	Lump Sum	1				
504.885	Post-Tensioning Sleeve Repair	Each	13				
505.08	Shear Connectors	Lump Sum	1				
506.9102	Zinc Rich Coating System (Shop Applied)	Lump Sum	1				
506.9105	Field Touch-Up of Existing Steel	Lump Sum	1				
507.091	Aluminum Bridge Railing, 1 Bar	Lump Sum	1				

**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>							
508.14	High Performance Waterproofing Membrane	Lump Sum	1				
511.071	Cofferdam Pier 1 - NB	Lump Sum	1				
511.072	Cofferdam Pier 1 - SB	Lump Sum	1				
511.073	Cofferdam Pier 2 - NB	Lump Sum	1				
511.074	Cofferdam Pier 2 - SB	Lump Sum	1				
511.075	Cofferdam Pier 3 - NB	Lump Sum	1				
511.076	Cofferdam Pier 3 - SB	Lump Sum	1				
514.06	Curing Box for Concrete Cylinders	Each	2				
515.201	Pigmented Protective Coating for Concrete Surfaces	Square Yard	1,400				
515.202	Clear Protective Coating for Concrete Surfaces	Square Yard	4,300				
515.23	Anti-Graffiti Coating	Square Yard	900				
518.40	Epoxy Injection Crack Repair	Linear Foot	355				

<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>							
518.401	Epoxy Injection Crack Repair - Below Waterline	Linear Foot	485				
518.51	Repair of Upward Facing Surfaces - Below Reinforcing Steel < 8 inches	Square Foot	67				
518.60	Repair of Vertical Surfaces < 8 inches	Square Foot	2,993				
518.601	Repair of Vertical Surfaces < 8 inches - Below Waterline	Square Foot	55				
518.70	Repair of Overhead Surfaces < 8 inches	Square Foot	91				
520.23	Asphaltic Plug Joint	Linear Foot	160				
520.224	Joint Armor Repair	Lump Sum	1				
523.52	Bearing Installation	Each	60				
523.5401	Laminated Elastomeric Bearings, Fixed	Each	12				
523.54021	PTFE Elastomeric Bearings, Expansion	Each	48				
523.56	Cleaning and Painting Bearing	Each	42				
523.561	Repair Bearing	Each	1				

**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>							
523.562	Repair Bearing Keeper Strap	Each	10				
524.301	Temporary Structural Support - Androscoggin Jacking	Lump Sum	1				
524.302	Temporary Structural Support - Cobbosseecontee Girders	Lump Sum	1				
524.303	Temporary Structural Support - Cobbosseecontee Braces	Lump Sum	1				
524.40	Protective Shielding - Steel Girders	Square Yard	2,250				
524.60	Temporary Access Platforms for Pier Inspection and Repair	Lump Sum	1				
526.306	Temporary Concrete Barrier, Type I - Supplied by Authority	Lump Sum	1				
527.301	Energy Absorbing System (CAT) - New	Each	3				
527.341	Work Zone Crash Cushions - TL-3	Unit	3				
603.159	12 inch Culvert Pipe Option III	Linear Foot	148				
603.179	18 inch Culvert Pipe Option III	Linear Foot	65				
603.28	Concrete Collar	Each	3				

**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>							
604.184	Rebuild Catch Basin to Grade - Type II	Each	9				
604.242	Catch Basin Type F3	Each	1				
604.40	Secure Catch Basin Grate	Each	2				
606.13	31" W-Beam Guardrail - Mid-Way Splice (7' Steel Post, 8" Offset Blocks, Single Faced)	Linear Foot	1,037.5				
606.1723	Bridge Transition - Type III	Each	4				
606.1724	Bridge Transition - Type III, Modified	Each	2				
606.1351	Terminal End - Anchored End - 31" W-Beam Guardrail	Each	1				
606.279	Terminal End - Anchored End, Thrie Beam	Each	1				
606.353	Reflectorized Flexible Guardrail Marker	Each	3				
606.354	Remove and Reset Reflectorized Flexible Guardrail Marker	Each	3				
606.64	Guardrail Thrie Beam - Double Rail	Linear Foot	1,225				
606.65	Guardrail Thrie Beam - Single Rail	Linear Foot	115				

**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>							
606.791	Guardrail - Flared Terminal - 31" W-Beam Guardrail	Each	1				
607.09	Woven Wire Fence - Metal Posts	Linear Foot	120				
607.33	Bracing Assembly, Type II - Metal Post	Each	2				
607.4311	Snow Drift Fence	Linear Foot	280				
609.15	Sloped Curb Type 1	Linear Foot	970				
610.08	Plain Riprap	Cubic Yard	1,108				
610.18	Stone Ditch Protection	Cubic Yard	17				
613.319	Erosion Control Blanket	Square Yard	160				
615.07	Loam	Cubic Yard	310				
618.141	Seeding Method Number 3	Unit	25				
619.1201	Mulch - Plan Quantity	Unit	25				
619.1202	Temporary Mulch	Lump Sum	1				

**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>							
620.58	Erosion Control Geotextile	Square Yard	85				
620.70	HDPE Geomembrane	Square Yard	700				
627.712	White or Yellow Pavement Marking Line	Linear Foot	21,600				
627.73	Temporary 6 Inch Pavement Marking Tape	Linear Foot	14,650				
627.731	Temporary 6 Inch Black Pavement Marking Tape	Linear Foot	6,650				
627.77	Removing Existing Pavement Marking	Square Foot	7,850				
627.94	Pavement Marking Tape	Linear Foot	140				
629.05	Hand Labor, Straight Time	Hour	40				
631.10	Air Compressor (including operator)	Hour	30				
631.11	Air Tool (including operator)	Hour	30				
631.12	All Purpose Excavator (including operator)	Hour	20				
631.172	Truck - Large (including operator)	Hour	40				

**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>							
631.36	Foreman	Hour	20				
644.10	Glare Screen - Supplied by Authority	Linear Foot	1,100				
652.30	Flashing Arrow	Each	4				
652.312	Type III Barricade	Each	1				
652.33	Drum	Each	206				
652.34	Cone	Each	170				
652.35	Construction Signs	Square Foot	1,510				
652.361	Maintenance of Traffic Control Devices	Lump Sum	1				
652.38	Flaggers	Hour	10				
652.41	Portable-Changeable Message Sign	Each	4				
652.45	Truck Mounted Attenuator	Calendar Day	48				
652.451	Automated Trailer Mounted Speed Limit Sign	Calendar Day	48				

**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>							
652.46	Temporary Portable Rumble Strip	Unit	48	150	00	7,200	00
656.50	Baled Hay, in place	Each	20				
656.632	30 inch Temporary Silt Fence	Linear Foot	960				
656.64	Boom Supported Floating Silt Fence	Linear Foot	418				
659.10	Mobilization	Lump Sum	1				
<b>TOTAL:</b>							

**MAINE TURNPIKE AUTHORITY**

Pre-Bid Conference

**CONTRACT 2018.15**

BRIDGE REHABILITATION  
COBBOSSEECONTEE STREAM OVERPASS  
MILE 99.2

BRIDGE REPAIRS  
ANDROSCOGGIN RIVER OVERPASS  
MILE 78.9

August 7, 2018, 10:00 A.M.

1) Location:

The general limits of work are as shown on the contract plans at Mile 78.9 and Mile 99.2.

2) General Description:

The work consists of rehabilitating the Cobbosseecontee Stream Overpass (NB & SB) bridges in the Town of Litchfield/West Gardiner, Maine and repairing the Androscoggin River Overpass (NB & SB) bridges in the City of Lewiston/City of Auburn, Maine. The work includes concrete deck and steel girder placement, concrete substructure modifications and repairs, approach work and paving, guardrail, bridge rails, substructure concrete repairs, bearing 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: August 21, 2018 at 11:00 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 three parts: Part I, Supplemental Specifications, Part II, Special Provisions and Part III Appendices.
- b) The Maine Turnpike Supplemental Specifications are additions and alterations to the 2014 Maine Department of Transportation Standard Specifications.



- 6) Maine Department of Labor – Fair Hourly Wages (Special Provision 104.3.8)
  - a) Contract includes “Heavy & Bridge” and “Highway & Earth” wage rates.
- 7) 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 required an easement be obtained by the MTA for construction. The Contractor shall coordinate with representatives from Brookfield regularly throughout the project while pier repair work is being completed at the Androscoggin River Bridges.
- 8) Cooperation With Other Contractors (Special Provision 104.4.7):
  - a) MTA Contract 2019.11 – Webster Road Underpass Bridge Repair MM 82.7
  - b) MTA Contract TBD – Grove Street Underpass Bridge Repair MM 83.7
  - c) MTA Contract TBD – Route 197 Underpass Bridge Repair MM 93.3
  - d) MTA Contract 2019.11 – Plains Road Underpass Bridge Repair MM 95.6
  - e) MTA Contract TBD – Exit 102 Gardiner/Litchfield Underpass MM 102.0
  - f) MTA Contract 2018.05 – Exit 103 I-295 Southbound Underpass MM 102.5
  - g) MTA Contract 2019.04 – West Gardiner I-295 Toll Plaza Replacement MM 103.0
- 9) Lead Paint (Special Provision 105.2.4.2)
  - a) The Contractor shall note that the existing Androscoggin River Overpass bridges contain lead based paint. A copy of the Lead Determination Report is attached as Appendix A in the Special Provisions. The Contractor shall presume that the existing Cobbosseecontee Stream Overpass bridges contain lead based paint. Paint samples were not taken on these structures therefore Lead Determination Reports are not available. The Contractor shall institute every precaution when working with materials coated with lead based paints.
- 10) Permit Requirements (Special Provision 105.8.2)
  - a) The Androscoggin River Overpass is being constructed under the Maine Department of Environmental Protection (MDEP) Natural Resources Protection Act Permit by Rule regulations Section 11 – State Transportation Facilities, updated June 8, 2012. A copy of the Section 11 – State Transportation Facilities Permit by Rule regulations are attached in Appendix B in the Special Provisions.
  - b) The Cobbosseecontee Stream Overpass is being constructed under the Maine Department of Environmental Protection (MDEP) Natural Resources Protection Act Permit by Rule regulations Section 11 – State Transportation Facilities, updated June 8, 2012. The permit expands the in-water work window at Cobbosseecontee Stream by allowing in-water construction the full duration of the project construction schedule. A copy of the Section 11 – State Transportation Facilities Permit by Rule regulations are attached in Appendix B in the Special Provisions.

- c) The Cobbosseeconte Stream Overpass is also being permitted under Section 404 of the Clean Water Act, through the US Army Corps of Engineers Programmatic General Permit, Category 2. The permit expands the in-water work window at Cobbosseeconte Stream by allowing in-water construction the full duration of the project construction schedule. Final permit authorization is anticipated by September 14, 2018, work in the wetlands and water may not occur until authorization is received. An Addendum will be issued acknowledging receipt or denial of the permit; providing the actual US Army Corps of Engineer's permit conditions; and providing Plan and Specification changes (if required) to adjust the Project schedule or phasing to meet the permit requirements. A copy of the un-authorized General Permit is attached in Appendix C. A signed copy of the Category 2 Notification Form must be sent to the Army Corps Maine Project Office at least two weeks before work commences.
- d) Maine Pollutant Discharge Elimination System (MPDES) General Permit for Stormwater Discharge from Construction Activity shall be followed.
- e) Limit of Disturbance Plan shall be submitted prior to any disturbance.
- f) Both project locations are within an MS4 Area and the Contractor will be required to follow and sign the MS4 Awareness plan provided in Appendix D of the special provisions.

11) Construction Schedule/Substantial Completion/Prosecution of Work:

- a) September 6, 2018 – Contract Award Date
- b) November 2, 2018 – Proposed joint repair work at the Androscoggin River Overpass shall be completed
- c) November 15, 2019 – Remaining proposed Androscoggin River Overpass repairs shall be substantially complete
- d) November 13, 2020 – The proposed Cobbosseeconte Stream Overpass rehabilitation shall be substantially complete
- e) All Contract work that requires in-water work in the Androscoggin River shall be completed between July 15, 2019 and October 1, 2019.
- f) All work related to the snow drift fence at the Cobbosseeconte Stream Overpass shall be completed as part of phase I. Traffic shall not be switched to phase II until the snow drift fence has been installed and accepted.
- g) June 4, 2021 – Contract Completion Date

12) Limits of Operations (Special Provision 107.4.7)

- a) There shall be no pipe pile or sheet pile driving during non-daylight hours. Pile driving will not be allowed within 10 feet of traffic.
- b) Temporary access for pier construction must comply with the following:
  - i) No infilling of the river or side slopes below the ordinary high water elevation;
  - ii) Maintain the existing water flow in the river; and,

- iii) Temporary construction impacts must remain within the areas shown on the permit plans (Appendix B & C) and areas must be restored to original condition upon completion.
- c) The Contractor will not be permitted to install cofferdams or otherwise dewater the work area(s) in order to complete the work at the Androscoggin River Overpass.
- d) During jacking of the Androscoggin River Overpass 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.
- e) 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.

### 13) Specific Contract Items

#### a) Section 201 – Clearing Right-of-Way (Debris Removal)

- 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 203 – Excavation and Embankment (Geofoam Lightweight Fill)

- i) This work shall include furnishing all qualifications, shop drawings, material and equipment, placing and providing approved field quality control personnel to oversee and certify the installation of the Geofoam Lightweight Fill as shown on the approved shop drawings. Geofoam is referred to in this Specification as expanded polystyrene (EPS).
- ii) Geofoam Lightweight Fill will be paid for at the Contract unit price per cubic yard which shall be full compensation for furnishing all qualifications, on-site supervision from supplier, shop drawings, labor, materials, equipment, dewatering and incidentals necessary to complete the work.

#### c) Section 504 – Structural Steel (Post-Tensioning Sleeve Repair)

- 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.

d) Section 520 – Expansion Devices – Non-Modular (Joint Armor Repair)

- i) The work shall include repairing the existing modular joint armor on the Androscoggin River Northbound bridge at Abutment 2.
- ii) Joint Armor Repair will be paid for at the Contract unit price which price shall be full compensation for furnishing and installing the proposed steel repair, including all materials, labor, tools, equipment and incidentals necessary to complete the work with the Plans and Specifications.

e) Section 523 – Bearings

- i) All bearings are being replaced at Cobbosseecontee Stream Overpass with elastomeric bearings. A select number of bearings at the Androscoggin River Overpass are being repaired.
- ii) 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.
- iii) 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.
- iv) Repair Bearing shall consist of inspecting and cleaning the existing steel rocker bearing on the Androscoggin River Overpass 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.
- v) 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 Temporary Structural Support.
- vi) Repair Bearing Keeper Strap shall consist of replacing the existing keeper straps as described in the Plans in select locations determined by the Resident.
- vii) 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.

f) Section 524 – Temporary Structural Supports

- i) Androscoggin River Overpass (Jacking): This work shall consist of the jacking and temporary structural support of the existing superstructure for repair of the bearing at Abutment 2 of the Androscoggin River Bridges.
- ii) Cobbosseecontee Stream Overpass (Girders): This work shall include the jacking and temporary structural support of the existing fascia girders at substructure locations to allow completion of substructure widening.
- iii) Cobbosseecontee Stream Overpass (Braces): This work shall consist of fabricating, erecting, maintaining and dismantling the temporary girder bracing support system as shown on the Plans to brace the proposed and existing exterior girders during construction

g) Section 652 – Maintenance of Traffic

- i) Androscoggin River Overpass: Temporary lane and shoulder closure windows are 24 hours per day starting at 7:00 p.m. Sunday through 6:00 p.m. Friday. Long term lane closures with temporary concrete barrier as shown in the Plans are permitted as well.
- ii) Cobbosseecontee Stream Overpass: A maintenance of traffic control plan has been developed to facilitate construction. This maintenance of traffic control plan utilizes median crossovers to maintain a single lane of traffic in each direction. Winter snow removal within closures should be expected and shall be considered incidental to the Contract. It should be noted the north approach median crossover shall be reconstructed per the Plans prior to diverting traffic onto the crossover.
- iii) The Automated Speed Limit Sign Special Provision has been revised and the Contractor shall fill out the price in the bid form. Automated Trailer Mounted Speed Limit Signs shall only be used when a work zone speed limit is in place during temporary lane closures. 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.
- iv) 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 shall 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.
- v) The Temporary Portable Rumble Strips Special Provision has been revised and should be used at the Contractors discretion. 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.

14) Questions

Question 1: Is there a bid item for the epoxy coated mechanical splices/couplers shown on drawings S31-S33?

Answer: A bid item will be added for the mechanical splices/couplers as part of Addendum 1.

Question 2: The bid item 503.14 weight shown on drawing 2 of 115 differs from the weight shown on 37 of 115. Which is correct?

Answer: The quantity of 258,900 LB as shown on sheet 37 of 115 is the correct quantity. Sheet 2 of 115 will be updated as part of Addendum 1.

Contract 2018.15  
 Cobbosseecontee Stream Overpass & Androscoggin River Overpass  
 Bridge Rehabilitation & Repairs



SIGN-IN SHEET  
 Please Print

PRE-BID MEETING

August 7, 2018

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