

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 1

CONTRACT 2020.01

**PAVEMENT REHABILITATION, GUARDRAIL,
AND CLEAR ZONE IMPROVEMENTS
MM 35.3 TO MM 42.0**

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

PROPOSAL

The 5 Proposal Sheets P-2 through P-6 are deleted and replaced with 5 Proposal Sheets P-2 through P-6 (Revised 1/16/20). Changes made include updating the quantity of item 606.471.

PLANS

On plan sheet #2 of 21, in the estimated quantities, please make a pen and ink change to the quantity of 606.471, revising it from 55 to 1,000.

SPECIFICATIONS

Special Provision 104.3.8 Wage Rates: sheet SP-2A is added.

Special Provision 107: sheet SP-5 is deleted and replaced with revised sheet SP-5 (Revised 1/16/20).

Special Provision 652: Maintenance of Traffic sheet SP-53 is deleted and replaced with revised sheet SP-53 (Revised 1/16/20).

QUESTIONS

The following are questions asked and comments made at the pre-bid meeting held on January 7, 2020, or were submitted to the Maine Turnpike Authority in writing. The answers to the questions are noted. Bidders shall utilize this information in preparing their bid.

Question 1: Is Median Restoration, Item 211.50, required to be completed prior to the start of Milling?

Answer: Yes

Question 2: Is the Median Shoulder Reconstruction required to be completed prior to the start of milling?

Answer: No

Question 3: There is an item on the project for new plastic offset blocks (606.471). It has an estimated quantity of 55. Is it the intent of this item to be used on blocks that are damaged during the adjustment process, or is it to be used for something else?

Answer: The intent of the estimated 55 blocks under item 606.471 is to pay for blocks required when installing new beam at locations where existing beams are damaged, as outlined in the contract and determined by the resident.

Question 4: In the special provision section 606 under guardrail adjust (paragraph 606.02 materials) it reads “New non-wood offset blocks conforming to NCHRP 350 Test Level 3 shall be installed on all guardrail being reset. The existing steel offset brackets and backup plates shall become the property of the contractor.” The guardrail is being adjusted not reset but we are wondering how to interpret this: if the new plastic blocks would be incidental to the adjustment if they are damaged or if MTA expects these all to be changed regardless of them being damaged or not.

Answer: It is not MTA’s intent to replace wooden offset blocks in areas where the guardrail is being adjusted. The contractor shall exercise care of operation to minimize damage to existing wooden blocks during adjustment. Should the existing blocks need to be replaced due to existing brittle condition which results in damage from adjusting, these blocks shall be paid for by unit price under item 606.471.

ATTACHMENTS

- Proposal (5 pages)
- Specifications (3 pages)
- Pre-Bid Agenda (3 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 fifteen (15).

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

January 16, 2020

Very truly yours,

MAINE TURNPIKE AUTHORITY

Nathaniel Carll
Purchasing Department
Maine Turnpike Authority

SCHEDULE OF BID PRICES

CONTRACT NO. 2020.01

**Pavement Rehabilitation,
Guardrail, and Clear Zone Improvements
MM 35.3 to MM 42**

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
202.202	REMOVING PAVEMENT SURFACE	Square Yard	328,600				
202.206	REMOVING PAVEMENT SURFACE - DRAINAGE PATHS	Square Foot	12,500				
202.205	RUMBLE STRIPS	Each	68,860				
203.20	COMMON EXCAVATION	Cubic Yard	325				
211.50	MEDIAN RESTORATION	Linear Foot	31,600				
304.14	AGGREGATE BASE COURSE GRAVEL - TYPE A	Cubic Yard	160				
403.2081	HOT MIX ASPHALT - 12.5 MM (POLYMER MODIFIED)	Ton	31,750				
403.211	HOT MIX ASPHALT (SHIMMING)	Ton	300				
403.213	HOT MIX ASPHALT - 12.5 MM BASE	Ton	175				
409.152	BITUMINOUS TACK COAT TRACKLESS, APPLIED	Gallon	19,850				

CARRIED FORWARD:		
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Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
419.30	SAWING BITUMINOUS PAVEMENT	Linear Foot	525				
424.323	ASPHALT RUBBER MASTIC CRACK SEALER	Pound	45,400				
470.08	BERM DROP OFF CORRECTION - GRINDINGS	Ton	125				
470.081	BERM CORRECTION	Linear Foot	18,600				
604.182	CLEAN EXISTING CATCH BASIN AND MANHOLE	Each	30				
606.1351	TERMINAL END - ANCHORED END	Each	8				
606.178	GUARDRAIL BEAM	Linear Foot	325				
606.352	REFLECTORIZED BEAM GUARDRAIL DELINEATORS	Each	500				
606.353	DELINEATOR POST	Each	5				
606.3621	GUARDRAIL ADJUST, SINGLE RAIL	Linear Foot	19,500				
606.3622	GUARDRAIL ADJUST, DOUBLE RAIL	Linear Foot	35,150				
606.471	SINGLE OFFSET BLOCK - W-BEAM	Each	1,000				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
606.48	SINGLE GALVANIZED STEEL POST	Each	5				
610.08	PLAIN RIPRAP	Cubic Yard	40				
613.319	EROSION CONTROL BLANKET	Square Yard	31,000				
618.14	SEEDING METHOD NUMBER 2	Unit	650				
619.12	MULCH	Unit	650				
620.58	EROSION CONTROL GEOTEXTILE	Square Yard	110				
627.73	TEMPORARY PAVEMENT MARKING TAPE	Linear Foot	10,450				
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	Linear Foot	279,500				
627.812	TEMPORARY RAISED PAVEMENT MARKERS	Each	13,950				
627.94	PAVEMENT MARKING TAPE	Linear Foot	5,220				
629.05	HAND LABOR, STRAIGHT TIME	Hour	40				
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	Hour	25				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
631.133	SKID STEER (INCLUDING OPERATOR)	Hour	20				
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	Hour	25				
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	Hour	10				
631.36	FOREMAN	Hour	25				
652.30	FLASHING ARROW BOARD	Each	8				
652.331	DRUM	Lump Sum	1				
652.35	CONSTRUCTION SIGNS	Square Foot	3,210				
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	Lump Sum	1				
652.410	PORTABLE - CHANGEABLE MESSAGE SIGN	Each	4				
652.45	TRUCK MOUNTED ATTENUATOR	Cal. Day	134				
652.452	AUTOMATED TRAILER MOUNTED SPEED LIMIT SIGN	Each	2				
656.50	BALED HAY, IN PLACE	Each	240				
CARRIED FORWARD:							

Item No.	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
659.10	MOBILIZATION	Lump Sum	1				
TOTAL:							

State of Maine
 Department of Labor
 Bureau of Labor Standards
 Augusta, Maine 04333-0045
 Telephone (207) 623-7906

Wage Determination - In accordance with 26 MRS §1301 et. seq., this is a determination by the Bureau of Labor Standards, of the fair minimum wage rate to be paid to laborers and workers employed on the below titled project.

2020 Fair Minimum Wage Rates
 Highway & Earth Cumberland & York Counties

<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Total</u>	<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Total</u>
Asphalt Raker	\$16.00	\$0.00	\$16.00	Laborers (Helpers & Tenders)	\$16.00	\$0.79	\$16.79
Backhoe Loader Operator	\$22.72	\$4.21	\$26.93	Laborer - Skilled	\$18.75	\$1.15	\$19.90
Boom Truck (Truck Crane) Operator	\$25.00	\$4.94	\$29.94	Loader Operator - Front-End	\$20.00	\$3.00	\$23.00
Bulldozer Operator	\$27.25	\$6.14	\$33.39	Mechanic— Maintenance	\$23.00	\$3.09	\$26.09
Carpenter	\$22.46	\$2.19	\$24.65	Millwright	\$29.82	\$7.73	\$37.55
Cement Mason/Finisher	\$16.00	\$4.04	\$20.04	Painter	\$18.00	\$0.45	\$18.45
Crane Operator => 15 Tons)	\$30.00	\$7.76	\$37.76	Paver Operator	\$20.75	\$0.00	\$20.75
Crusher Plant Operator	\$20.50	\$5.33	\$25.83	Pipelayer	\$25.00	\$1.40	\$26.40
Driller - Rock	\$12.00	\$8.82	\$20.82	Plumber(Licensed)	\$26.00	\$4.50	\$30.50
Electrician - Licensed	\$28.00	\$6.27	\$34.27	Reclaimer Operator	\$22.91	\$13.25	\$36.16
Electrician Helper/Cable Puller	\$18.00	\$1.84	\$19.84	Roller Operator - Earth	\$16.00	\$0.24	\$16.24
Elevator Constructor/Installer	\$20.00	\$1.78	\$21.78	Roller Operator - Pavement	\$18.50	\$1.48	\$19.98
Excavator Operator	\$23.39	\$3.11	\$26.50	Screed/Wheelman	\$18.43	\$1.24	\$19.67
Fence Setter	\$18.00	\$1.30	\$19.30	Stone Mason	\$20.00	\$0.42	\$20.42
Flagger	\$15.50	\$0.00	\$15.50	Truck Driver - Light	\$16.00	\$0.44	\$16.44
Grader/Scraper Operator	\$20.00	\$0.65	\$20.65	Truck Driver - Medium	\$19.00	\$1.84	\$20.84
Highway Worker/Guardrail Installer	\$18.25	\$1.66	\$19.91	Truck Driver - Heavy	\$18.00	\$1.40	\$19.40
Hot Top Plant Operator	\$22.91	\$13.25	\$36.16	Truck Driver - Tractor Trailer	\$19.50	\$2.55	\$22.05
Ironworker - Reinforcing	\$29.23	\$7.18	\$36.41	Truck Driver - Mixer (Cement)	\$17.25	\$2.26	\$19.51
Ironworker – Structural	\$26.01	\$22.27	\$48.28				

The Laborer classifications include a wide range of work duties. Therefore, if any specific occupation to be employed on this project is not listed in this determination, call the Bureau of Labor Standards at the above number for further clarification.

Welders are classified in the trade to which the welding is incidental.

Apprentices — The minimum wage rate for registered apprentices are those set forth in the standards and policies of the Maine State Apprenticeship and Training Council for approved apprenticeship programs.

Title 26 §1310 requires that a clearly legible statement of all fair minimum wage and benefits rates to be paid the several classes of laborers, workers and mechanics employed on the construction on the public work must be kept posted in a prominent and easily accessible place at the site by each contractor and subcontractor subject to sections 1304 to 1313.

Appeal — Any person affected by the determination of these rates may appeal to the Commissioner of Labor by filing a written notice with the Commissioner stating the specific grounds of the objection within ten (10) days from the filing of these rates.

A true copy

Attest: _____
 Scott R. Cotnoir
 Wage & Hour Director
 Bureau of Labor Standards

Expiration Date: 12-31-2020

107.4.6 Prosecution of Work

The Milling activities shall not begin until the following activities have been completed:

- All Guardrail Work
- Median Restoration
- Riprap installation.

The following Subsection is added:

107.4.7 Limitations of OperationsRoadway and ClearZone--Traffic Control Requirements

The construction in each location shall proceed expeditiously. Once milling and/or paving operations commence for every day/night not worked (milling or paving) when work is allowed by Contract and weather, the Contractor will be charged a fee in the amount of \$1,000 (excluding inclement weather days).

The Contractor will be allowed to work on both northbound and southbound roadways at the same time. The Contractor shall complete his milling operation in one bound location prior to beginning his milling operation in the other bound location unless otherwise approved by the Resident. The paving operation in a bound shall begin within seven calendar days of all milling being complete in that bound. The Contractor shall complete the paving operation in one bound location prior to beginning his paving operation in other bound location, unless otherwise approved by the Resident. The Contractor will be allowed to work in two separate work areas on each bound roadway. The work areas are not required to be in the same lane.

The Contractor shall begin the paving operation in Lane 1 (inside passing lane), followed by Lane 2, and then Lane 3 (travel lane).

The Contractor shall secure all catch basin grates with Sikaflex 1a before being allowed to shift traffic onto the outside shoulder. This work will be incidental to Item 652.361.

The Contractor shall limit the milling operations such that temporary pavement markings or pavement markers are applied daily prior to the roadway being open to traffic.

Lane closure(s) will not be allowed over a weekend or Holidays unless approved otherwise by the Resident.

The Contractor shall keep a 14 foot wide lane open for traffic during his milling and paving operations unless approved otherwise by the Resident.

Temporary bituminous ramps will be required at all butt joints.

Traffic will be allowed to traverse the longitudinal joint where the pavement is lower in one lane than the adjacent lane.

SPECIAL PROVISION
SECTION 652
MAINTENANCE OF TRAFFIC

(Specific Project Maintenance of Traffic Requirements)

This Specification describes the specific project maintenance of traffic requirements for this Project.

The following minimum traffic requirements shall be maintained. These requirements may be adjusted based on the traffic volume when authorized by the Authority.

Temporary lane closures are allowed upon approval of the Resident. The lane closure setup may not begin until the beginning time specified. Lane closures that are setup early or that remain in place outside of the approved period shall be subject to a lane rental fee of \$500 per five minutes for every five minutes outside of the approved time. The installation of the construction signs will be considered setting up the lane closure. Removal of the last construction sign will be considered the removal of a lane closure. Construction signs shall be installed immediately prior to the start of the lane closure and shall be promptly removed when no longer required. The installation and removal of a lane closure including signs, channelizing devices and arrow boards shall be a continuous operation. The Authority reserves the right to order removal of an approved lane closure.

Temporary shoulder closures shall maintain a minimum four-foot lateral buffer from an open travel lane when in place between 6:00 a.m. and 9:00 a.m. and between 3:00 p.m. and 6:00 p.m. During July and August, the four-foot minimum lateral buffer applies from 6:00 a.m. to 8:00 p.m.

Due to high traffic volumes construction vehicles are prohibited from merging with mainline traffic between 7:00 a.m. and 8:30 a.m. on Northbound and between 4:00 p.m. and 6:00 p.m. on Southbound unless the merge occurs at an interchange.

Loading/unloading trucks shall not be closer than six feet from an open travel lane when being loaded or unloaded within the work zone

During milling and paving operations, the lane(s) adjacent to the lane in which work is being performed shall also be closed to traffic.

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2020.01

Pavement Rehabilitation, Guardrail, and Clear Zone Improvements MM 35.3 to MM 42.0

January 7, 2020 10:00 AM

- 1) Location:
 - a) The general limits of work are MM 35.3 to MM 42.0 – Milling and Paving travel lanes, and Guardrail and Drainage improvements.
- 2) General Description:
- 3) The pavement rehabilitation work consists of milling and filling three 12 foot wide lanes and the median shoulder for both northbound and southbound. Limited milling and filling will be required at the conference center northbound on-ramp and at the exit 36 southbound on-ramp. The work also involves the removal of excess material in the median to restore proper drainage, guardrail, pavement markings, maintenance of traffic, and all other work incidental thereto in accordance with the Plans and Specifications.
- 4) Bid:
 - a) Bid deadline Tuesday, January 21, 2020 at 11:00 AM at MTA headquarters 2360 Congress Street, Portland.
 - b) For general information regarding Bidding and Contracting procedures, contact Nate Carll, Purchasing Manager, at (207)482-8115.
- 5) For Project specific information, fax all questions to Nate Carll, Purchasing Manager, at (207) 871-7739 or email ncarll@maineturnpike.com. Responses will not be prepared for questions received by telephone.
- 6) Future Addendum
 - a) Wage Rates will be issued.
- 7) 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 or startre@maineturnpike.com.
- 8) Contract Specifications:
 - a) The Specifications are divided into three parts: Part I, Supplemental Specifications, Part II, Special Provisions and Part III, Appendices. Contractor is to review updated Supplemental Specifications.
 - b) The Maine Turnpike Authority 2016 Supplemental Specifications are additions and alterations to the 2014 Maine Department of Transportation Standard Specifications. They are available online at <http://www.maineturnpike.com/Projects-Planning/Construction-Contracts.aspx>

- 9) Construction Schedule/Prosecution of Work:
- a) January 23, 2020 – MTA Board to consider Contract Award
 - b) September 4, 2020 – Substantial Completion
 - c) September 18, 2020 – Final Completion
 - d) Supplemental Liquidated damages will be assessed for each calendar day that substantial completion is not achieved.
 - e) The Milling activities shall not begin until all Guardrail Work, Median Restoration, and the Riprap Installation is complete.
- 10) Cooperation With Other Contractors (Special Provision 104.4.7):
- a) MTA Contract 2018.19 – Bridge Replacement Cummings road Underpass Mile 44.6.
 - b) MTA Contract 2020.03– Scarborough, South Portland, Portland: Exit 44 NB improvements, mainline widening and safety improvements.
 - c) MTA Contract 2020.07 – Bridge Repairs 3 Locations. Boom Road Underpass Mile 33.4. Beech Ridge Road Underpass Mile 41.4. Grove Street Underpass Mile 83.7.
- 11) 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, as promulgated by the US Environmental Protection Agency (US EPA) and Administrated by the Maine Department of Environmental Protection (DEP).
 - b) The LOD for this Contract has been estimated to be 12 acres, of which 12 acres is exempt from the Maine Construction General Permit as it is routine maintenance.
 - c) Compliance with the erosion and sedimentation control requirements outlined in this Contract is required by the Contractor.
 - d) The Contractor shall comply with the conditions outlined in the Maine Pollutant Discharge Elimination System General Permit for stormwater discharge associated with construction activity. The Contractor shall indemnify and hold harmless the Maine Turnpike Authority or its agents, representatives and employees against any and all claims, liabilities or fines arising from or based on the violation of the above noted permits. The Project shall be performed in accordance with the MaineDOT Best Management Practices (BMP) latest issue.
- 12) General Requirements
- a) U-Turns at toll plazas and median openings are not allowed.
 - 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 restrictions.
 - c) All vehicles used on the Project, shall be equipped with amber flashing beacons in accordance with Supplemental Specification 652.3.4.
 - d) All jobsite personnel shall wear a safety vest labeled as ANSI 107-2004 standard performance for Class 3 risk exposures at all times. This requirement also applies to truck drivers and equipment operators when out of an enclosed cab.

- e) Berm corrections for drop-offs of more than 3” must be made prior to shifting traffic adjacent to the shoulder requiring correction.

13) Traffic Control (Special Provision Section 652):

- a) Contractor is responsible for supplying all traffic control except for the work necessary to complete the additional rumble strips as noted on sheet 21, Appendix A, of the Contract Plans.

- b) Lane closures

- i) Temporary lane closures that would restrict travel to one lane in each direction shall be conducted at night between the times presented in the lane closure tables shown in Special Provision 652. Liquidated damages shall be assessed at \$1,000/minute for every minute that a temporary lane closure is in place outside the times presented in the lane closure table shown in Special Provision 652.

- c) Traffic control devices shall be NCHRP 350 compliant.

14) Specific Contract Items

- a) Special Provision 403 – Bituminous Pavement

- i) Surface course shall be 12.5 mm (Polymer Modified) – RAP meeting PG 64E-28.
 - ii) Mix shall include Hydrated Lime
 - iii) Mix shall include Zycotherm anti-strip additive.

- b) Automated Trailer Mounted Speed Limit signs are being included for mainline lane closures (SP-61)

- c) Truck Mounted Attenuator SP is updated (SP-66).

- d) Item 211.50, Median Restoration is unique to this project. The work required for this item is described in SP 211 on page SP 13 of the contract book and depicted in the Median Restoration Typical.

- e) The Median Shoulder Reconstruction Typical applies to the known locations listed, as well as potentially unknown locations. Upon removal of the surface pavement from the median shoulder, the Resident shall review the condition of remaining pavement to determine additional areas of shoulder reconstruction.

15) Questions

