

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 1

CONTRACT 2025.01

PAVEMENT REHABILITATION

MM 15.2 TO MM 20.0

GUARDRAIL AND DRAINAGE IMPROVEMENTS

MM 13.4 TO MM 20.0

BRIDGE JOINT REPAIRS

B & M RAILROAD MM 19.0

SANFORD ROAD/ ROUTES 9 & 109 MM 19.1

WELLS INTERCHANGE OVERPASS MM 19.3

The bid opening date is Thursday February 13 at 10:30 am.

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

GENERAL

All questions regarding Contract 2025.01 should be submitted by the close of business on Thursday February 6, 2025, to be answered in the last addendum to be issued on Friday February 7, 2025, if necessary. Questions received after that time may not be answered.

PROPOSAL

- Proposal Sheets P-2 to P-9 are deleted and replaced, included in this addendum.

SPECIAL PROVISIONS

- Page SP-3, Section 104.3.8 (Wage Rates and Labor Laws): Page SP-3 is deleted and replaced with SP-3A and SP-3B, included in this addendum. The revision to these pages is to include the Wage Rates now available.
- Page SP-4, Section 104.4.7 (Cooperation with Other Contractors): delete the second project listed and replace with the following:

MTA Contract 2025.09 – Roadside Clearing (Arundel and Wells)
- Page SP-7, Section 107.4.6 (Prosecution of Work): The following paragraph is added at the end of this section:

Following the completion of the initial utility locate, the Contractor will GPS locate all utilities within the project limits and provide a copy of the Dig Safe records to the Authority. The Contractor, acting as the Authority's third-party locator, shall be

responsible for remarking all Maine Turnpike Facilities when a Dig Safe utility is called for the project. This work shall be considered incidental to the Contract.

- Page SP-7, Section 107.4.7 (Limitations of Operations): Delete the first paragraph.
- Page SP-9, Section 107.6 (Completion Incentives and Disincentives): The following section is added:

The Contract will include Completion Incentives of \$2,100 per Calendar Day for every calendar day during the month of May that the long-term lane closures and temporary concrete barrier associated with the southbound bridge joint repairs are removed before May 22, 2025. The Contract will include Completion Disincentives of \$2,100 per Calendar day for each day that the long term lane closures and temporary concrete barrier, either for southbound or northbound bridges, are in place beyond May 22, 2025. Disincentives are distinct and separate from the Liquidated Damages and Supplemental Liquidated Damages.

- Page SP-48, Section 401 (Balanced Mix Design Data Collection): Pages SP-48A to SP-48D are added, included with this addendum.
- Page SP-53, Section 409.01 (Bituminous Tack Coat): The first paragraph is deleted and replaced with the following:

This work consists of furnishing and applying one uniform application of UltraTack (NTSS-1HM) by Blacklidge as indicated in the specification and as per manufacturer's recommendation. The application rate shall be 0.06 gal/yd².

PLANS

- Plan Sheet EQ-01 (2 of 40): Change the quantity of item 627.73 from 43,000 LF to 21,100 LF, item 627.745 from 43,000 LF to 26,000 LF, and item 627.78 from 243,000 LF to 261,000 LF.
- Plan Sheet DT-02 (18 of 40): Modify noted related to Rebuilding Catch Basin detail.

QUESTIONS

1. Question: Does trackless tack coat need to be used on base and intermediate pavement lifts?

Answer: Emulsified Asphalt RS-1 or RS-1h conforming to the specifications of AAHSTO M-140 may be used on base and intermediate lifts of pavement or on incidental areas of paving. Use of Emulsified Asphalt will not be paid separately and will be measured and paid under item 409.152.

2. Question: How is pavement for membrane patch repair on the B&M Overpass paid?

Answer: Pavement necessary to complete patch repairs of the waterproofing membrane shall be incidental to item 508.14 as noted in General Repair Procedure Note 5. Pavement for patch repair shall be considered temporary and must be replaced during final milling and paving,

ATTACHMENTS

- Addendum No. 1 (3 pages)
- Pre-Bid Agenda (8 pages)
- Pre-Bid Sign-In Sheet (1 page)
- Proposal Sheets (8 pages)
- Special Provisions (6 pages)
- Plan Sheets (2 pages)

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

The total number of pages included with this addendum is twenty-eight pages (28).

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-10 of the bid package.

Business Name

Print Name and Title

Signature

Date
February 4, 2025

Very truly
yours,

MAINE TURNPIKE AUTHORITY

Nathaniel Carll
Purchasing Department
Maine Turnpike Authority

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2025.01

PAVEMENT REHABILITATION

MM 15.2 TO MM 20.0

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BRIDGE JOINT REPAIRS

B & M RAILROAD MM 19.0

SANFORD ROAD/ ROUTES 9 & 109 MM 19.1

WELLS INTERCHANGE OVERPASS MM 19.3

JANUARY 28, 2025, 10:00 A.M.

1) Location:

The general limits of work are as shown on the Contract Plans and are:

- Pavement Rehabilitation, Guardrail, & Drainage Improvements MM 13.4 to MM 20.0 (Northbound and Southbound) in the towns of York, Ogunquit, Wells, and Kennebunk
- Bridge Joint Repairs-
 - B&M Railroad Overpass – MM 19.0
 - Sanford Road/ Routes 9 & 109 Overpass – MM 19.1
 - Wells Interchange Overpass Overpass – MM 19.3

2) General Description:

The work consists of milling and paving mainline from MM 15.2 to MM 20.0; drainage repairs, guardrail, median grading from MM 13.4 to MM 20.0; joint repairs to the B & M Railroad Overpass at MM 19.0, the Sanford Road/ Routes 9 & 109 Overpass at MM 19.1, and the Wells Interchange Overpass at MM 19.3; maintenance of traffic; and all other work incidental thereto in accordance with the Plans and Specifications. Additional guardrail improvements at MM 21.4 and median improvements at MM 23.4 are also included

3) Bid:

- a) Opening: February 13, 2025 at 10:30 A.M. at MTA Headquarters 2360 Congress Street, Portland.
- b) All bid and contractual questions shall be directed to Nate 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. Email ncarll@maineturnpike.com. Questions are due by close of business on February 6, 2025. Questions received after this may not be answers.

- d) Bids will be accepted from prime Contractors **prequalified** by the Maine Department of Transportation for Highway Construction Projects with a bridge subcontractor **prequalified** by the Maine Department of Transportation for Bridge Construction Projects.
- 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 startre@maineturnpike.com
- 5) Contract Specifications
- a) The Specifications are divided into two parts: Part I, Supplemental Specifications, Part II, Special Provisions.
- b) The Maine Turnpike Supplemental Specifications are additions and alterations to the 2014 Maine Department of Transportation Standard Specifications and are available on MTA’s website.
- 6) Construction Schedule/Substantial Completion:
- a) February 20, 2025 – Contract Award Date
- b) November 15, 2025 – Substantial Completion
- c) December 12, 2025 – Contract Completion Date.
- 7) Holidays (Special Provision 101.2)
- a) Add the day of Juneteenth
- 8) Maine Department of Labor – Fair Hourly Wages (Special Provision 104.3.8)
- a) Wage rates for Highway and Earthwork and for Heavy and Bridge for York County are anticipated to be release on February 3, 2025 will be issued by addendum. Contractors will be required to meet the 2025 fair hourly wages.
- 9) Cooperation With Other Contractors (Special Provision 104.4.7):
- A. MTA Contract 2024.01 – Pavement Rehabilitation (Kittery)
- B. MTA Contract 2024.09 – Roadside Clearing (Arundel & Wells)
- 10) Permit Requirements (Special Provision 105.8.2)
- a) The Project is subject to the Stormwater Memorandum of Agreement for Stormwater Management Between the Maine Department of Transportation, Maine Turnpike Authority, and Maine Department of Environmental Protection (Stormwater MOA). Under the Stormwater MOA, all MTA construction, operation, and maintenance activities are subject to Maine Stormwater Law Basic Standards through implementation of MaineDOT’s Best Management Practices for Erosion and Sedimentation Control (MaineDOT BMP Manual), which are the Contractor’s responsibility to implement.
- b) The LOD for this Contract has been estimated to be 7.0 acres (median restoration, berm correction, pipe extension), the majority of which is considered “routine maintenance under the Maine Construction General Permit. The Contractor shall prepare a LOD plan illustrating the Contractor’s

proposed limit of earthwork disturbance. This Plan shall be submitted for review and approval, to the Resident within 14 days of Contract award.

11) As-Built Plans (Special Provision 105.11)

- a) The Contractor shall provide the Authority with as-built plans in PDF and MicroStation, or other approved CADD formats. The as-built plans shall note changes to the bid documents, including, but not limited to pavement, concrete, barrier, guardrail, culverts, drainage, foundations, wiring, signs, etc. The as-builts shall also provide GPS accurate locations of all underground work. Submittal of Draft, Final Draft, and 100% as-built plans to the resident shall be conditions of Mobilization payment, Retainage reduction, and Final Payment as noted in Special Provision 108.

12) Weather Days (107.1.2)

- a) A weather day shall be defined by the Authority as the following:
 - i) A day that the regularly scheduled milling or paving shift is not able to begin due to rainy weather, or a day that a shift is cut short due to rain. To be eligible for a weather day due to a shift being cut short, the contractor must have started the shift and worked less than 75 percent of the shift before it rains. Rainfall after 75 percent of a shift is completed will not result in a weather day. The Resident will make a determination of a weather day on site during that work shift and will communicate the determination to the project superintendent.
- b) Approved weather days will be tracked and discussed at project meetings.
- c) Weather days will be automatically granted to the contractor as an extension of both the Substantial Completion and Contract Completion dates as outlined in the contract. The weather days are based on working days, which are then converted to calendar days for the purpose of schedule modifications.

13) Prosecution of Work (107.4.6)

- a) The following activities must be completed by the date specified:
 - i) All mainline paving shall be complete by November 15, 2025
 - ii) Traffic shall be opened to three lanes in each direction by Memorial Day weekend and may not be reduced to two lanes until after Indigenous Peoples Day weekend except **for short term lane closures** as noted in SP 652.
- b) Supplemental Liquidated Damages on a calendar day basis in accordance with subsection 107.8 shall be assessed for each calendar day the each of these completion dates are not achieved.
- c) The Contractor shall request permission to restripe the SB and NB lanes and place temporary concrete barrier a minimum of 7 Calendar Days prior to the start of work.
- d) Milling of ramps or mainline shall not begin until the following activities have been completed for each roadway work area:
 - i) All outside and median drainage work, including riprap installation, in the paving section
 - ii) All guardrail work except closing median openings
 - iii) Berm correction

- iv) B & M Overpass and Sanford Road/ Route 9 & 109 Overpass joint repairs excluding sawn joints.
- v) The Contractor shall verify existing cross slopes of each lane and shoulder at least every ¼ mile and provide cross slope data to the resident at least 14 days prior to beginning milling of each roadway.
- e) The asphaltic plug joints for the B & M Overpass and Sanford Road/ Route 9 & 109 Overpass and sawn joints for the B & M Overpass, Sanford Road/ Route 9 & 109 Overpass, and Wells Interchange Overpass shall not be installed until the approach and bridge deck milling and paving is complete.

14) Limits of Operations (Special Provision 107.4.7)

- a) Southbound bridge joint work shall be completed prior to beginning the northbound bridge joint work.
- b) The following ramps may not be closed at the same time:
 - i) Exit 19 Northbound On Ramp And Exit 19 Southbound On Ramp
- c) Ramp closures will be allowed as noted below. Ramps shall be opened to traffic when work is not occurring. Nighttime closure times shall be in accordance with Section 652.
- d) The construction 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).
- e) Once the surface pavement of the B & M Railroad Overpass is milled, it shall be paved for a minimum of 25 ft beyond each joint of the bridge within seven calendar days. For each calendar day beyond the seven days that the bridge and approaches paving is not complete, the Contractor will be charged a fee in the amount of \$1,000 (excluding inclement weather days).
- f) The Contractor will be allowed to work on both bounds and/or multiple ramps at the same time except as noted above. The Contractor shall complete their milling operation in one bound before beginning their milling operation in another bound, unless otherwise approved by the resident. The paving operation shall begin within seven calendar days of milling being completed in that location. The Contractor shall complete their paving operation in one location prior to beginning their paving operation in another location. The Contractor will be allowed to work in two separate areas of each mainline bound. The work areas are not required to be in the same lane. The Contractor shall follow approved maintenance of traffic plans showing the work areas.
- g) The Contractor shall begin the mainline milling operation in Lane 3 (travel lane) followed by Lane 2, and then Lane 1 (passing lane).
- h) The Contractor shall limit the milling operations such that the shoulders are milled up to the same station as the adjacent lane during each shift.
- i) The Contractor shall limit the milling operations such that temporary pavement markings or pavement markers are applied daily prior to the roadway being opened to traffic.
- j) Temporary bituminous ramps will be required at the end of each milled lane.

- k) Traffic will be allowed to traverse the longitudinal joint where pavement is lower in one lane than the adjacent lane.
 - l) The Contractor shall begin the mainline paving operation in Lane 1 (passing lane) followed by Lane 2, and then Lane 3 (travel lane).
 - m) Permanent pavement markings shall be laid out for painting once location is completely paved so that the MTA can paint within two weeks.
 - n) Lane closure(s) will not be allowed over a weekend or Holidays except as shown in the plans for bridge joint work unless otherwise approved by the resident.
 - o) The Contractor shall keep a 12-foot-wide lane open for traffic during milling and paving operations unless otherwise approved by the resident.
- 15) Temporary shoulder closures are prohibited northbound during the months of July and August on Thursdays from 3 PM to 5 PM and Fridays 12 PM to 5 PM.
- 16) Mobilization Payment (Special Provision 108.2.3)
- a) The second paragraph is deleted in its entirety and replaced with the following: Upon approval of all pre-construction submittals required for approval by this Contract, including those listed in Section 104.4.2 – Preconstruction Conference, the Contractor will receive payment of 50% of the Lump Sum price for Mobilization, not to exceed 5% of the Bid less the amount bid for Mobilization. After the Authority determines that the Work is 50% complete and the Contractor has submitted a Draft (50%) as-built submittal of all underground work to date (within the prior 30 day pay period) as defined in Special Provision 105., the Contractor will receive the other 50% of the Lump Sum price for Mobilization, not to exceed 5% (10% total for both payments) of the Bid less the amount bid for Mobilization. Any remaining Mobilization will be paid upon completion of physical work.
- 17) Retainage (Special Provision 108.3)
- a) The seventh paragraph is deleted in its entirety and replaced with the following: When requested by the Contractor an 80 percent reduction of retainage will be considered by the Authority when the Project is substantially complete and the Contractor has submitted a Final Draft (98%) as-built submittal of all underground work, in accordance with Special Provision 105. When requesting a reduction, the Contractor shall include an explanation of the outstanding Work, and estimate of the cost to complete the Work, and a schedule for completing the Work. Seasonal limitations as well as warranty and establishment periods (for vegetation) shall be addressed.
- 18) Final Payment (Special Provision 108.8)
- a) The first paragraph is deleted in its entirety and replaced with the following: Following conditional acceptance of the physical work under subsection 107.9.3, and submission of 100% as-built plans to the Resident, in accordance with Special Provision 105, the Authority will prepare a final Invoice reflecting final quantities of the items of Work performed. The Authority may require the Contractor to provide information necessary to substantiate Pay Items, including Statements itemizing Force Account Work. The Authority will make final payment upon approval of the Authority's board, in the amount of the Work done, less all previous payments and all amounts to be retained or deducted under the provisions of the Contract. For a related provision, see Section 107.9.5 – Final Acceptance.

19) Specific Contract Items

a) Section 202 – Removing Structures and Obstructions

- i) A 12 ft rotary drum shall be used for removing pavement surface for all mainline and ramp travel lanes.
- ii) Milling machine for mainline shoulders shall be wide enough to remove entire width of shoulder pavement in a single pass.

b) Section 401 – Hot Mix Asphalt

- i) Hydrated lime may be provided as an option in all mixtures denoted in Special Provision 403 – Hot Mix Asphalt Pavement. No Separate payment will be made for the use of hydrated lime.

c) Section 403 – Hot Mix Asphalt Pavement

- i) The required PGAB for Item 403.2081 (12.5 m surface, polymer modified) shall be 70E-28.

d) Section 409 – Bituminous Tack Coat

- i) Tack coat on this project shall be trackless.
- ii) The equipment shall be maintained to provide a consistent application rate and uniform spray that is breaking correctly and is free from clotting throughout the project. If the product is not breaking correctly or if clotting is observed, the contractor shall cease production until necessary maintenance can be completed.

e) Section 470 – Berm Dropoff Correction – Grindings

- i) Berm Dropoff Correction – Grindings will be measured and paid by the Linear Foot.

f) Section 518 – Elastomeric Concrete

- i) The Authority may allow storage of the elastomeric concrete product in a heated maintenance building if necessary.

g) Section 518 – Concrete Header Repair

- i) Concrete for concrete header repair shall be AAA concrete modified with 3/8” aggregate.

h) Section 604 – Rebuild Catch Basins

- i) Concrete for Rebuild Catch Basins shall be AAA modified.

i) Section 627- Pavement Markings

- i) Grooving for pavement marking tape shall use gang stacked diamond cutting heads with free floating, independent heads for asphalt pavement surfaces.
- ii) When newly laid in the groove, tamp the tape thoroughly with a minimum of six passes (three passes back and forth), using an RTC-2 Tamper Cart. Alternate methods of tamping must be approved by the resident in advance.

- iii) For temporary solid lines, every third TRPM maybe be replaced with a 2 ft piece of temporary pavement marking tape.
- iv) Temporary Pavement Marking Lines (paint), Temporary Pavement Marking Tape, and Temporary Polyurea Pavement Marking Lines are included in the contract for use during maintenance of traffic operations associated with the bridge joint repairs. The actual material used will be determined by the resident based on temperature, weather conditions, and location. Temporary tape shall be used on proposed surface pavement.
- v) Temporary polyurea wet application thickness and binder thickness should be 18 mils +/- 2 mils.

j) Section 652 – Maintenance of Traffic – General

- i) Temporary lane closures that would restrict travel to one lane in any direction shall be conducted between the times presented in the tables in Section 652. Liquidated damages shall be assessed at \$1,000/five minutes for every five minutes that a temporary lane closure is in place outside the times presented in the table below.
- ii) Work zone speed limits shall only be in place when work is actively occurring in the work zone or a long-term lane closure with temporary concrete barrier is present.
- iii) Equipment moves will only be allowed during the same times as temporary lane closures.
- iv) Portable light towers will be required to illuminate the night construction work area.
- v) 652 SP replaces the MTA 2016 Supplemental Specification Section 652, substantive revisions have been “bolded”.
- vi) Cones may be used on all tangent portions of mainline lane and shoulder closures. Drums must be used on all tapers.
- vii) The Contract will furnish, operate, and maintain at Automated Trailer Mounted Speed Limit Signs for project use. The automated speed sign shall be required when there is a Work Zone Speed Limit in place. Payment for Automated Trailer Mounted Speed Limit Signs shall be incidental to the Maintenance of Traffic Control Devices item.
- viii) Daytime lane closures shall be a maximum of three (3) miles.
- ix) The maximum time for which traffic may be stopped and held for an equipment move across mainline or ramp and any single time shall be five (5) minutes. The Contractor shall reimburse the Authority at a rate of \$500 per minute for each minute in excess of the five-minute allowance.

20) Addendum #1 Items

a) Prosecution of Work (107.4.6)

- i) The following paragraph is added:

Following the completion of the initial utility locate, the Contractor will GPS locate all utilities within the project limits and provide a copy of the Dig Safe records to the Authority. The Contractor, acting as the Authority’s third-party locator, shall be responsible for remarking all

Maine Turnpike Facilities when a Dig Safe utility is called for the project. This work shall be considered incidental to the Contract.

b) Completion Incentives and Disincentives (107.6)

- i) The Contract will include Completion Incentives of \$2,100 per Calendar Day for every calendar day during the month of May that the long-term lane closures and temporary concrete barrier associated with the bridge joint repairs is removed before May 22, 2025. The Contract will include Completion Disincentives of \$2,100 per Calendar day for each day that the long term lane closures and temporary concrete barrier is in place beyond May 22, 2025. Disincentives are distinct and separate from the Liquidated Damages and Supplemental Liquidated Damages.

c) Balanced Mix Design Data Collection (401)

- i) The Authority is seeking to collect information from additional testing during the Job Mix Formular design phase and Section 401 will provide requirements for the Indirect Tensile Asphalt Cracking Test (IDEAL-CT).
- ii) Payment for Balanced Mix Design Data Collection will made at the contract lump sum price of \$10,000.

d) Bituminous Tack Coat (409)

- i) Only UltraTack (NTSS-1HM) by Blacklidge will be allowed.

e) Temporary Pavement Markings (607)

- i) Quantities of temporary paint, tape, and polyurea will be revised.

21) Questions

- a) Questions received prior to pre-bid conference will be answered with Addendum #1.

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2025.01

PAVEMENT REHABILITATION
MM 15.2 TO MM 20.0

GUARDRAIL AND DRAINAGE
IMPROVEMENTS
MM 13.4 TO MM 20.0

BRIDGE JOINT REPAIRS
B & M RAILROAD MM 19.0
SANFORD ROAD/ ROUTES 9 & 109 MM 19.1
WELLS INTERCHANGE OVERPASS MM 19.3

January 28, 2025 10:00 AM

NAME (PRINT)	COMPANY	PHONE	EMAIL
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SCHEDULE OF BID PRICES

CONTRACT NO. 2025.01

Pavement Rehabilitation and Improvements MM13.4 to MM20.0

B&M Railroad MM 19.0, Route 109 MM 19.1, Wells Interchange Overpass MM19.3

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
202.15	REMOVING EXISTING MANHOLE OR CATCH BASIN	Each	1				
202.202	REMOVING PAVEMENT SURFACE	Square Yard	253,000				
202.2021	REMOVING PAVEMENT SURFACE - BRIDGE DECK	Square Yard	4,750				
202.205	RUMBLE STRIPS	Each	85,600				
211.50	MEDIAN RESTORATION	Linear Foot	22,400				
211.51	MEDIAN RESTORATION WITH RAP	Linear Foot	700				
401.03	BALANCED MIX DESIGN DATA COLLECTION	Lump Sum	1	10,000		10,000	
403.207	HOT MIX ASPHALT, 19.0 mm NOMINAL MAXIMUM SIZE	Ton	65				
403.2081	HOT MIX ASPHALT, 12.5 mm (POLYMER MODIFIED) - RAP (MAINLINE)	Ton	21,900				
403.211	HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE (SHIMMING)	Ton	1,000				
403.213	HOT MIX ASPHALT, 12.5 mm (BASE AND INTERMEDIATE BASE COURSE)	Ton	14				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
409.152	BITUMINOUS TACK COAT NTSS - 1HM TRACKLESS - APPLIED	Gallon	17,400				
419.30	SAWING BITUMINOUS PAVEMENT	Linear Foot	1,400				
424.323	ASPHALT RUBBER FIBER CRACK SEALER	Pound	19,000				
424.324	ASPHALT RUBBER MASTIC CRACK SEALER - APPLIED	Pound	12,700				
427.09	PAVEMENT CRACK REPAIR	Linear Foot	1,000				
459.06	BITUMINOUS CONCRETE WATERWAY - TYPE I	Each	4				
459.061	BITUMINOUS CONCRETE WATERWAY - TYPE II	Each	2				
459.062	BITUMINOUS CONCRETE WATERWAY - TYPE III	Each	4				
470.0801	BERM DROPOFF CORRECTION - GRINDINGS	Linear Foot	69,600				
470.081	BERM CORRECTION	Linear Foot	1,300				
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (510 SY)	Lump Sum	1				
518.865	ELASTOMERIC CONCRETE	Cubic Foot	96				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
518.866	CONCRETE HEADER REPAIR	Cubic Foot	200				
520.2301	ASPHALTIC PLUG JOINT (B&M RAILROAD NB)	Linear Foot	67				
520.2302	ASPHALTIC PLUG JOINT (B&M RAILROAD SB)	Linear Foot	74				
520.2303	ASPHALTIC PLUG JOINT (ROUTE 109 NB)	Linear Foot	57				
520.2304	ASPHALTIC PLUG JOINT (ROUTE 109 SB)	Linear Foot	83				
526.306	TEMPORARY CONCRETE BARRIER, TYPE I - SUPPLIED BY THE AUTHORITY (1470 LF)	Lump Sum	1				
527.341	WORK ZONE CRASH CUSHIONS TL-3	Unit	2				
527.342	WORK ZONE CRASH CUSHIONS TL-2	Unit	2				
603.155	12 INCH REINFORCED CONCRETE PIPE - CLASS III	Linear Foot	8				
603.28	CONCRETE COLLAR	Each	1				
604.09	CATCH BASIN TYPE B1	Each	1				
604.184	REBUILD CATCH BASIN TO GRADE - TYPE II	Each	44				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
606.13	31" W-BEAM GUARDRAIL - MID-WAY SPLICE (7' STEEL POSTS, 8" OFFSET BLOCKS, SINGLE FACED)	Linear Foot	380				
606.1307	31" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL	Each	3				
606.132	31" W-BEAM GUARDRAIL - MID-WAY SPLICE (7' STEEL POSTS, 8" OFFSET BLOCKS, DOUBLE FACED)	Linear Foot	930				
606.1351	31" W-BEAM GUARDRAIL - MID-WAY SPLICE TERMINAL END - ANCHORED END	Each	12				
606.178	GUARDRAIL BEAM	Linear Foot	1,000				
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	Each	1				
606.352	REFLECTORIZED BEAM GUARDRAIL DELINEATOR	Each	480				
606.356	UNDERDRAIN DELINEATOR POST	Each	35				
606.3621	GUARDRAIL ADJUST, SINGLE RAIL	Linear Foot	15,400				
606.3622	GUARDRAIL ADJUST, DOUBLE RAIL	Linear Foot	30,200				
606.471	SINGLE OFFSET BLOCK - W BEAM	Each	100				
606.472	SINGLE OFFSET BLOCK - THRIE BEAM	Each	10				

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	50				
606.63	THRIE BEAM RAIL BEAM	Linear Foot	200				
606.701	ASSYMETRIC THRIE BEAM TRANSITION	Each	4				
610.08	PLAIN RIPRAP	Cubic Yard	230				
613.319	EROSION CONTROL BLANKET	Square Yard	24,700				
618.14	SEEDING METHOD NUMBER 2	Unit	280				
619.1201	MULCH - PLAN QUANTITY	Unit	280				
619.1202	TEMPORARY MULCH	Lump Sum	1				
620.58	EROSION CONTROL GEOTEXTILE	Square Yard	670				
627.73	TEMPORARY 6 INCH PAVEMENT MARKING TAPE	Linear Foot	21,100				
627.731	TEMPORARY 6 INCH BLACK PAVEMENT MARKING TAPE	Linear Foot	1,200				
627.745	6" WHITE OR YELLOW TEMPORARY POLYUREA PAVEMENT MARKING LINE	Linear Foot	26,000				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
627.77	REMOVING EXISTING PAVEMENT MARKING	Square Foot	6,200				
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	Linear Foot	261,000				
627.812	TEMPORARY RAISED PAVEMENT MARKERS	Each	10,000				
627.94	PAVEMENT MARKING TAPE	Linear Foot	4,000				
627.941	PAVEMENT MARKING TAPE – DOTTED WHITE LANE LINE, 6-INCH WIDTH	Linear Foot	860				
629.05	HAND LABOR, STRAIGHT TIME	Hour	40				
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	Hour	40				
631.11	AIR TOOL (INCLUDING OPERATOR)	Hour	40				
631.112	WELDING MACHINE (INCLUDING OPERATOR)	Hour	40				
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	Hour	60				
631.133	SKID STEER (INCLUDING OPERATOR)	Hour	20				
631.171	TRUCK - SMALL (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
BROUGHT FORWARD:							
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	Hour	20				
631.22	FRONT END LOADER (INCLUDING OPERATOR)	Hour	20				
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	Hour	80				
631.36	FOREMAN	Hour	40				
652.30	FLASHING ARROW	Each	6				
652.312	TYPE III BARRICADES	Each	5				
652.35	CONSTRUCTION SIGNS	Square Foot	5,300				
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	Lump Sum	1				
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	Each	7				
652.4502	TRUCK MOUNTED ATTENUATOR	Each	3				
652.4503	TRUCK MOUNTED ATTENUATOR	Week	24				
652.47	SEQUENTIAL FLASHING WARNING LIGHTS	Each	190				

CARRIED FORWARD:

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
BROUGHT FORWARD:							
656.50	BALED HAY, IN-PLACE	Each	160				
656.60	TEMPORARY BERMS	Linear Foot	100				
656.62	TEMPORARY SLOPE DRAINS	Linear Foot	30				
656.632	30" TEMPORARY SILT FENCE	Linear Foot	100				
659.10	MOBILIZATION	Lump Sum	1				
TOTAL:							

THIS DOCUMENT MUST BE CLEARLY POSTED AT ALL CONSTRUCTION SITES FUNDED IN PART WITH STATE FUNDS

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.

2025 Fair Minimum Wage Rates – Highway & Earth York County

Occupational Title	Minimum Wage	Minimum Benefit	Total
Brickmasons And Blockmasons	\$36.50	\$3.75	\$40.25
Bulldozer Operator	\$32.90	\$6.94	\$39.84
Carpenter	\$29.41	\$3.92	\$33.33
Cement Masons And Concrete Finisher	\$26.50	\$0.00	\$26.50
Construction And Maintenance Painters	\$32.00	\$0.00	\$32.00
Construction Laborer	\$26.00	\$3.33	\$29.33
Crane And Tower Operators	\$39.07	\$8.73	\$47.80
Crushing Grinding And Polishing Machine Operators	\$28.00	\$5.35	\$33.35
Earth Drillers - Except Oil And Gas	\$22.42	\$4.18	\$26.60
Electrical Power - Line Installer And Repairers	\$43.26	\$16.55	\$59.81
Electricians	\$41.50	\$21.34	\$62.84
Elevator Installers And Repairers	\$71.21	\$43.75	\$114.96
Loading Machine And Dragline Operators	\$28.00	\$4.18	\$32.18
Excavator Operator	\$36.50	\$7.49	\$43.99
Fence Erectors	\$26.00	\$3.70	\$29.70
Flaggers	\$21.00	\$0.48	\$21.48
Floor Layers - Except Carpet/Wood/Hard Tiles	\$26.50	\$3.83	\$30.33
Glaziers	\$46.26	\$22.61	\$68.87
Grader/Scraper Operator	\$31.00	\$6.86	\$37.86
Hazardous Materials Removal Workers	\$21.13	\$1.14	\$22.27
Heating And Air Conditioning And Refrigeration Mechanics And Installers	\$35.00	\$5.49	\$40.49
Heavy And Tractor - Trailer Truck Drivers	\$26.50	\$4.92	\$31.42
Highway Maintenance Workers	\$26.25	\$3.05	\$29.30
Industrial Machinery Mechanics	\$29.50	\$3.83	\$33.33
Industrial Truck And Tractor Operators	\$26.17	\$3.49	\$29.66
Insulation Worker - Mechanical	\$25.50	\$6.07	\$31.57
Ironworker - Ornamental	\$31.37	\$25.82	\$57.19
Light Truck Or Delivery Services Drivers	\$22.50	\$3.93	\$26.43
Millwrights	\$33.00	\$9.21	\$42.21
Mobile Heavy Equipment Mechanics - Except Engines	\$30.00	\$5.19	\$35.19
Operating Engineers And Other Equipment Operators	\$36.84	\$4.82	\$41.66
Paving Surfacing And Tamping Equipment Operators	\$30.00	\$5.34	\$35.34
Pile-Driver Operators	\$36.00	\$2.87	\$38.87
Pipe/Steam/Sprinkler Fitter	\$36.00	\$9.30	\$45.30
Pipelayers	\$27.00	\$5.34	\$32.34
Plumbers	\$33.00	\$5.98	\$38.98
Pump Operators - Except Wellhead Pumps	\$56.03	\$34.76	\$90.79
Radio Cellular And Tower Equipment Installers	\$30.00	\$4.85	\$34.85
Reinforcing Iron And Rebar Workers	\$31.00	\$0.00	\$31.00
Riggers	\$30.50	\$8.25	\$38.75
Roofers	\$24.67	\$4.23	\$28.90
Sheet Metal Workers	\$27.00	\$6.21	\$33.21
Structural Iron And Steel Workers	\$32.02	\$11.13	\$43.15
Tapers	\$28.50	\$3.93	\$32.43
Telecommunications Equipment Installers And Repairers - Except Line Installers	\$31.00	\$5.43	\$36.43
Telecommunications Line Installers And Repairers	\$27.00	\$3.71	\$30.71

Welders are classified as the trade to which welding is incidental (e.g. welding structural steel is Structural Iron and Steel Worker)

Apprentices – The minimum wage rates for registered apprentices are the rates recognized in the sponsorship agreement for registered apprentices working in the pertinent classification.

For any other specific trade on this project not listed above, contact the Bureau of Labor Standards for further clarification.

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

Expiration Date: 12-31-2025

THIS DOCUMENT MUST BE CLEARLY POSTED AT ALL CONSTRUCTION SITES FUNDED IN PART WITH STATE FUNDS

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.

2025 Fair Minimum Wage Rates – Heavy & Bridge York County

Occupational Title	Minimum Wage	Minimum Benefit	Total
Brickmasons And Blockmasons	\$31.00	\$6.52	\$37.52
Bulldozer Operator	\$32.68	\$5.28	\$37.96
Carpenter	\$32.00	\$4.11	\$36.11
Cement Masons And Concrete Finisher	\$25.33	\$17.07	\$42.40
Construction And Maintenance Painters	\$46.51	\$26.16	\$72.67
Construction Laborer	\$27.50	\$4.94	\$32.44
Crane And Tower Operators	\$45.00	\$5.60	\$50.60
Crushing Grinding And Polishing Machine Operators	\$27.50	\$5.64	\$33.14
Earth Drillers - Except Oil And Gas	\$22.42	\$4.18	\$26.60
Electrical Power - Line Installer And Repairers	\$54.05	\$23.81	\$77.86
Electricians	\$37.00	\$15.58	\$52.58
Elevator Installers And Repairers	\$71.21	\$43.75	\$114.96
Excavator Operator	\$39.00	\$5.50	\$44.50
Fence Erectors	\$22.00	\$2.06	\$24.06
Flaggers	\$21.50	\$0.54	\$22.04
Floor Layers - Except Carpet/Wood/Hard Tiles	\$26.50	\$3.83	\$30.33
Glaziers	\$46.26	\$22.61	\$68.87
Grader/Scraper Operator	\$31.00	\$6.86	\$37.86
Hazardous Materials Removal Workers	\$21.13	\$1.14	\$22.27
Heating And Air Conditioning And Refrigeration Mechanics And Installers	\$35.00	\$5.49	\$40.49
Heavy And Tractor - Trailer Truck Drivers	\$30.13	\$2.61	\$32.74
Highway Maintenance Workers	\$22.85	\$4.79	\$27.64
Industrial Machinery Mechanics	\$29.50	\$3.83	\$33.33
Industrial Truck And Tractor Operators	\$26.17	\$3.49	\$29.66
Insulation Worker - Mechanical	\$25.50	\$6.07	\$31.57
Ironworker - Ornamental	\$31.37	\$25.82	\$57.19
Light Truck Or Delivery Services Drivers	\$28.00	\$3.95	\$31.95
Loading Machine And Dragline Operators	\$35.50	\$5.44	\$40.94
Millwrights	\$35.00	\$4.23	\$39.23
Mobile Heavy Equipment Mechanics - Except Engines	\$44.25	\$2.87	\$47.12
Operating Engineers And Other Equipment Operators	\$41.25	\$8.91	\$50.16
Paving Surfacing And Tamping Equipment Operators	\$30.00	\$5.04	\$35.04
Pile-Driver Operators	\$36.00	\$2.87	\$38.87
Pipe/Steam/Sprinkler Fitter	\$33.25	\$8.37	\$41.62
Pipelayers	\$27.48	\$4.72	\$32.20
Plumbers	\$35.00	\$4.47	\$39.47
Pump Operators - Except Wellhead Pumps	\$56.03	\$34.76	\$90.79
Radio Cellular And Tower Equipment Installers	\$30.00	\$4.85	\$34.85
Reinforcing Iron And Rebar Workers	\$31.95	\$25.00	\$56.95
Riggers	\$30.50	\$8.25	\$38.75
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Telecommunications Equipment Installers And Repairers - Except Line Installers	\$29.00	\$5.43	\$34.43
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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
 Scott R. Cotnoir
 Wage & Hour Director
 Bureau of Labor Standards

Expiration Date: 12-31-2025
 Revision Date: 2-3-2025

SPECIAL PROVISIONSECTION 401COMPOSITION OF MIXTURES

(Balanced Mix Design Data Collection)

The Authority is seeking to collect information from additional testing during the Job Mix Formula design phase. The additional requirements are added to sections h) and i) on the following page.

401.03 Composition of Mixtures

HMA pavement mixtures for base, intermediate, shim and local road bridge projects shall be a currently approved MDOT design unless otherwise noted. A maximum of 20% RAP may be used. VMA during production shall meet the requirements listed in Table 1.

HMA pavement mixtures for Mainline surface paving projects shall conform to the following requirements:

The Contractor shall compose the Hot Mix Asphalt Pavement with aggregate, Performance Graded Asphalt Binder (PGAB), and mineral filler if required. HMA shall be designed and tested according to AASHTO R35 and the volumetric criteria in Table 1. The Contractor shall size, uniformly grade, and combine the aggregate fractions in proportions that provide a mixture meeting the grading requirements of the Job Mix Formula (JMF). The Contractor may use a maximum of 15 percent Class I reclaimed asphalt pavement (RAP) or a maximum of 10 percent Class II RAP in any mainline surface course.

The Contractor shall submit a job mix formula (JMF) developed for each specified mixture at least 30 days prior to placement.

The JMF shall establish a single percentage of aggregate passing each sieve size within the limits shown in Subsection 703.09. The mixture shall be designed and produced, including all production tolerances, to comply with the allowable control points for the particular type of mixture as outlined in Subsection 703.09. The JMF shall state the original source, gradation, and percentage to be used of each portion of the aggregate and mineral filler if required. It shall also state the proposed PGAB content, the name and location of the refiner, the supplier, the source of PGAB submitted for approval, the type of PGAB modification if applicable, and the location of the terminal if applicable.

In addition, the Contractor shall provide the following information with the proposed JMF:

- a) Properly completed JMF indicating all mix properties (Gmm, VMA, VFB, etc.).
- b) Stockpile Gradation Summary.
- c) Contractor generated test reports for individual aggregate consensus properties. Test results must have been generated within six months of JMF submission
- d) Design Aggregate Structure Consensus Property Summary.
- e) Design Aggregate Structure Trial Blend Gradation Plots (0.45 power chart).
- f) Trial Blend Test Results for at least three different aggregate blends. (Not required if the supplier has mix history with the selected design aggregate blend)
- g) Selected design aggregate blend.
- h) Test results for the selected design aggregate blend at a minimum of three binder contents. **As part of the mix design process, the contractor shall prepare and test a minimum of four specimens for Ideal CT in accordance with ASTM D8225 and a minimum of four specimens by Hamburg Wheel Tracker in accordance with AASHTO T324. These additional test specimens shall be fabricated at each of the varying binder contents incorporating the actual binder proposed for use in the JMF and a second binder source meeting the same PGAB requirements. The data collected from this additional testing is for information purposes and will not be used for mix design approval.**
- i) Test results for final selected blend compacted to Nmax. **The contractor shall also prepare and test a minimum of four specimens for Ideal CT in accordance with ASTM D8225 at the design binder content incorporating the actual binder proposed for use in the JMF and a second binder source meeting the same PGAB requirements. The data collected from this additional testing is for information purposes and will not be used for mix design approval.**
- j) PGAB certification from the supplier
- k) Specific Gravity for the PGAB to be used.
- l) Recommended mixing and compaction temperatures from the PGAB supplier.
- m) Data Sheets (SDS) For PGAB.
- n) Asphalt Content vs. Air Voids trial blend curve.
- o) Test report for Contractor's Verification sample.
- p) Summary of RAP test results (if used), including count, average and standard deviation of binder content and gradation. This should be a MaineDOT generated report showing approval.

At the time of JMF submittal, the Contractor shall identify and make available the stockpiles of all proposed aggregates at the plant site. There must be a minimum of 150 ton for coarse aggregate stockpiles, 75 ton for fine aggregate stockpiles before the JMF may be submitted. The Authority shall obtain samples for laboratory testing. The Contractor shall also make available to the Authority the PGAB proposed for use in the mix in sufficient quantity to test the properties of the asphalt and to produce samples for testing of the mixture. Before the start of paving, the Contractor and the Authority’s representative shall test a production sample in the Contractor’s laboratory for evaluation. If the Authority finds the mixture acceptable, an approved JMF will be forwarded to the Contractor. The Authority will then notify the Contractor that paving may commence. The first day’s production shall be monitored, and the approval may be withdrawn if the mixture exhibits undesirable characteristics such as checking, shoving or displacement. The Contractor shall be allowed to submit aim changes within 24 hours of receipt of the first Acceptance test result for an individual JMF. Adjustments will be allowed of up to 2% on the percent passing the 2.36 mm sieve through the 0.075 mm and 3% on the percent passing the 4.75 mm or larger sieves. Adjustments will be allowed on the %PGAB of up to 0.2 percent. Adjustments will be allowed on GMM of up to 0.010.

The contractor may request to carry over an approved mix design from the previous calendar year. The Authority will evaluate the request based on the performance and production history from the previous season. If the request is approved by the Authority no aggregate material, RAP, or aim changes will be granted for a carryover mix design and the initial design must not be older than the previous paving season.

The Contractor shall submit a new JMF for approval each time a change in material source or materials properties is proposed. The same approval process shall be followed. The cold feed percentage of any aggregate except natural sand may be adjusted up to 10 percentage points from the amount listed on the JMF, however no aggregate listed on the JMF shall be eliminated. Natural sand may be adjusted up to 5 percent from the amount listed on the JMF but shall not exceed 10% by weight of total aggregates. The cold feed percentage for RAP may be reduced up to five percentage points from the amount listed on the JMF and shall not exceed the percentage of RAP approved in the JMF or for the specific application.

TABLE 1
VOLUMETRIC DESIGN CRITERIA

Design ESAL’s (Millions)	Required Density (Percent of G _{mm})			Voids in the Mineral Aggregate (VMA)(Minimum Percent)				Voids Filled with Binder (VFB) (Minimum %)	Fines/Eff. Binder Ratio
				Nominal Maximum Aggregate Size (mm)					
	N _{initial}	N _{design}	N _{max}	19	12.5	9.5	4.75		
3 to <30	≤89.0	96.0	≤98.0	13.5	14.5	15.5	15.5	65-80	0.6-1.2

As part of the JMF submittal the Contractor shall provide the Authority with Hamburg Wheel Tracker test results in accordance with AASHTO T324. The results shall be generated by

a third-party independent testing laboratory as approved by the Authority. The test results for each individual specimen as well as the average shall meet the requirements of Table 1A

TABLE 1A
HAMBURG WHEEL TRACKER REQUIREMENTS

Specified PG Binder Grade	Test Temperature (°C)	Maximum Rut Depth (mm)	Minimum Number of Passes	Minimum Allowable SIP*
64-28	45	12.5	20,000	15,000
64E-28	48	8.0	20,000	15,000
70E-28	50	6.3	20,000	15,000

401.04 Basis of Payment

The item Balanced Mix Design Data Collection will be paid for at the contract lump sum price and payment will be full compensation for furnishing and testing all materials and reporting the requested information for the additional tests required.

Pay Item

Pay Unit

401.03 Balanced Mix Design Data Collection

Lump Sum

Date: 2/4/2025


ESTIMATED QUANTITIES							
ITEM NO.	ITEM	UNIT	PAVING	BRIDGE REPAIR	GUARDRAIL	DRAINAGE	TOTAL
202.15	REMOVING EXISTING MANHOLE OR CATCH BASIN	EA				1	1
202.202	REMOVING PAVEMENT SURFACE	SY	253,000				253,000
202.2021	REMOVING PAVEMENT SURFACE - BRIDGE DECK	SY		4750			4750
202.205	RUMBLE STRIPS	EA	85,600				85,600
211.50	MEDIAN RESTORATION	LF	22,400				22,400
211.51	MEDIAN RESTORATION WITH RAP	LF	700				700
401.03	BALANCED MIX DESIGN DATA COLLECTION	LS	1				1
403.207	HOT MIX ASPHALT, 19.0 mm NOMINAL MAXIMUM SIZE	TON	65				65
403.2081	HOT MIX ASPHALT, 12.5 mm (POLYMER MODIFIED) - RAP (MAINLINE)	TON	21,900				21,900
403.211	HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE (SHIMMING)	TON	1000				1000
403.213	HOT MIX ASPHALT, 12.5 mm (BASE AND INTERMEDIATE BASE COURSE)	TON	14				14
409.152	BITUMINOUS TACK COAT NTSS - IHM TRACKLESS - APPLIED	GAL	17,400				17,400
419.30	SAWING BITUMINOUS PAVEMENT	LF	560	840			1400
424.323	ASPHALT RUBBER FIBER CRACK SEALER	LB	19,000				19,000
424.324	ASPHALT RUBBER MASTIC CRACK SEALER - APPLIED	LB	12,700				12,700
427.09	PAVEMENT CRACK REPAIR	LF	1000				1000
459.06	BITUMINOUS CONCRETE WATERWAY - TYPE I	EA	4				4
459.061	BITUMINOUS CONCRETE WATERWAY - TYPE II	EA	2				2
459.062	BITUMINOUS CONCRETE WATERWAY - TYPE III	EA	4				4
470.0801	BERM DROPOFF CORRECTION - GRINDINGS	LF	69,600				69,600
470.081	BERM CORRECTION	LF	1300				1300
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE (510 SY)	LS		1			1
518.865	ELASTOMERIC CONCRETE	CF		96			96
518.866	CONCRETE HEADER REPAIR	CF		200			200
520.2301	ASPHALTIC PLUG JOINT (B&M RAILROAD NB)	LF		67			67
520.2302	ASPHALTIC PLUG JOINT (B&M RAILROAD SB)	LF		74			74
520.2303	ASPHALTIC PLUG JOINT (ROUTE 109 NB)	LF		57			57
520.2304	ASPHALTIC PLUG JOINT (ROUTE 109 SB)	LF		83			83
526.306	TEMPORARY CONCRETE BARRIER, TYPE I - SUPPLIED BY THE AUTHORITY (1470 LF)	LS	1				1
527.341	WORK ZONE CRASH CUSHIONS TL-3	UN	2				2
527.342	WORK ZONE CRASH CUSHIONS TL-2	UN	2				2
603.155	12 INCH REINFORCED CONCRETE PIPE - CLASS III	LF				8	8
603.28	CONCRETE COLLAR	EA				1	1
604.09	CATCH BASIN TYPE BI	EA				1	1
604.184	REBUILD CATCH BASIN TO GRADE - TYPE II	EA				44	44
606.13	31"W-BEAM GUARDRAIL - MID-WAY SPLICE (7' STEEL POSTS, 8" OFFSET BLOCKS, SINGLE FACED)	LF			380		380
606.1307	31"W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL	EA			3		3
606.132	31"W-BEAM GUARDRAIL - MID-WAY SPLICE (7' STEEL POSTS, 8" OFFSET BLOCKS, DOUBLE FACED)	LF			930		930
606.1351	31"W-BEAM GUARDRAIL - MID-WAY SPLICE TERMINAL END - ANCHORED END	EA			12		12
606.178	GUARDRAIL BEAM	LF			1000		1000
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	EA			1		1
606.352	REFLECTORIZED BEAM GUARDRAIL DELINEATOR	EA			480		480
606.356	UNDERDRAIN DELINEATOR POST	EA				35	35
606.3621	GUARDRAIL ADJUST, SINGLE RAIL	LF			15,400		15,400
606.3622	GUARDRAIL ADJUST, DOUBLE RAIL	LF			30,200		30,200
606.471	SINGLE OFFSET BLOCK - W BEAM	EA			100		100
606.472	SINGLE OFFSET BLOCK - THRIE BEAM	EA			10		10
606.48	SINGLE GALVANIZED STEEL POST	EA			50		50
606.63	THRIE BEAM RAIL BEAM	LF			200		200
606.701	ASSYMETRIC THRIE BEAM TRANSITION	EA			4		4
610.08	PLAIN RIPRAP	CY				230	230
613.319	EROSION CONTROL BLANKET	SY	24,700				24,700
618.14	SEEDING METHOD NUMBER 2	UNIT	280				280
619.1201	MULCH - PLAN QUANTITY	UNIT	280				280
619.1202	TEMPORARY MULCH	LS	1				1
620.58	EROSION CONTROL GEOTEXTILE	SY				670	670

ESTIMATED QUANTITIES							
ITEM NO.	ITEM	UNIT	PAVING	BRIDGE REPAIR	GUARDRAIL	DRAINAGE	TOTAL
627.73	TEMPORARY 6 INCH PAVEMENT MARKING TAPE	LF	21,100				21,100
627.731	TEMPORARY 6 INCH BLACK PAVEMENT MARKING TAPE	LF	1200				1200
627.745	6' WHITE OR YELLOW TEMPORARY POLYUREA PAVEMENT MARKING LINE	LF	26,000				26,000
627.77	REMOVING EXISTING PAVEMENT MARKING	SF	6200				6200
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LF	261,000				261,000
627.812	TEMPORARY RAISED PAVEMENT MARKERS	EA	10,000				10,000
627.94	PAVEMENT MARKING TAPE	LF	4000				4000
627.941	PAVEMENT MARKING TAPE - DOTTED WHITE LANE LINE, 6-INCH WIDTH	LF	860				860
629.05	HAND LABOR, STRAIGHT TIME	HR	40				40
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	HR		40			40
631.11	AIR TOOL (INCLUDING OPERATOR)	HR		40			40
631.112	WELDING MACHINE (INCLUDING OPERATOR)	HR		40			40
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	HR	60				60
631.133	SKID STEER (INCLUDING OPERATOR)	HR	20				20
631.171	TRUCK - SMALL (INCLUDING OPERATOR)	HR	40				40
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	HR	20				20
631.22	FRONT END LOADER (INCLUDING OPERATOR)	HR	20				20
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	HR	80				80
631.36	FOREMAN	HR	40				40
652.30	FLASHING ARROW	EA	6				6
652.312	TYPE III BARRICADES	EA	5				5
652.35	CONSTRUCTION SIGNS	SF	5300				5300
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	LS	0.79	0.06	0.11	0.04	1
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	EA	7				7
652.4502	TRUCK MOUNTED ATTENUATOR	EA	3				3
652.4503	TRUCK MOUNTED ATTENUATOR	WEEK	24				24
652.47	SEQUENTIAL FLASHING WARNING LIGHTS	EA	190				190
656.50	BALED HAY, IN-PLACE	EA	160				160
656.60	TEMPORARY BERMS	LF	100				100
656.62	TEMPORARY SLOPE DRAINS	LF	30				30
656.632	30' TEMPORARY SILT FENCE	LF	100				100
659.10	MOBILIZATION	LS	0.79	0.06	0.11	0.04	1

Scale: NOT TO SCALE

No.	Revision	By	Date
1	QUANTITY REVISIONS	JRH	02/25

Designed by:



CONSULTANT PROJECT MANAGER: JOSEPH HOWE, PE

	By	Date	By	Date	
Designed	KBJ	1\25	Checked	JRH	1\25
Drawn	KBJ	1\25	In Charge of	JRH	1\25

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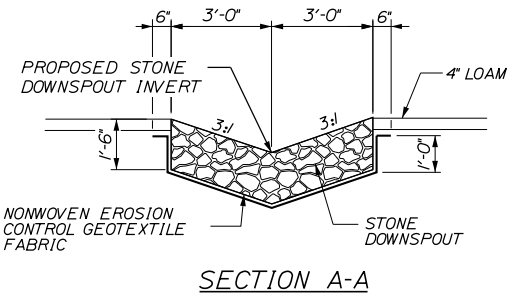
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: KRISTI VAN OUYEN, PE

PAVEMENT REHABILITATION
MM 13.4 TO MM 20.0
ESTIMATED QUANTITIES

SHEET NUMBER: EQ-01
CONTRACT: 2025.01
2 OF 40

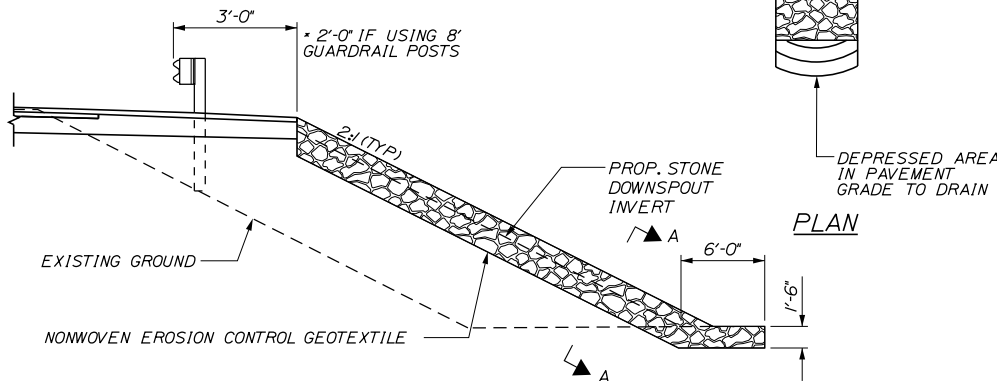
Date: 2/4/2025



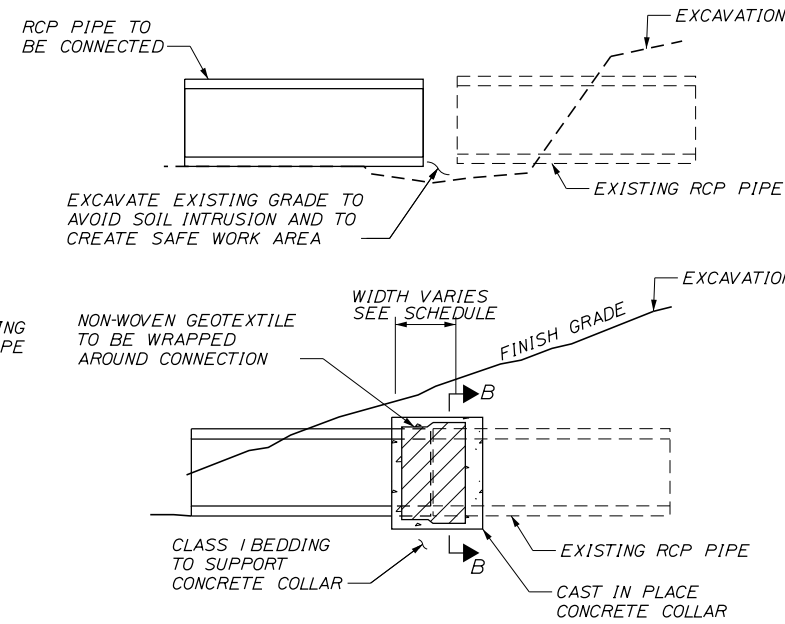
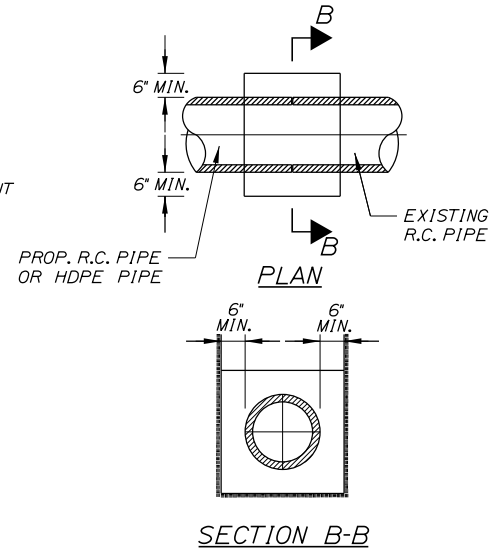
1 LF OF DOWNSPOUT= 0.33 CY OF PLAIN RIPRAP
 1 LF OF DOWNSPOUT= 1.04 SY OF EROSION CONTROL GEOTEXTILE FABRIC

NOTES:

1. STONE FOR STONE DOWNSPOUTS SHALL MEET THE REQUIREMENTS OF MAINE DOT SPECIFICATION 703.29 AND WILL BE PAID FOR UNDER ITEM 610.08. PLAIN RIPRAP.
2. CURBING MUST BE IN PLACE PRIOR TO GUARDRAIL INSTALLATION.



STONE DOWNSPOUT



CONCRETE COLLAR FOR REINFORCED CONCRETE PIPES

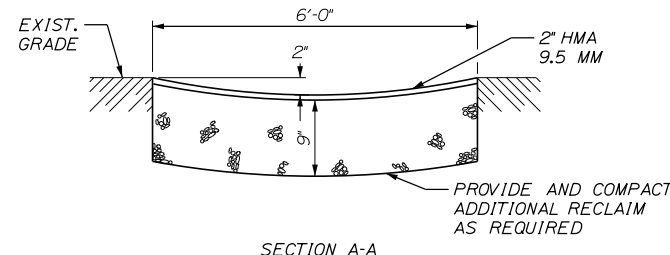
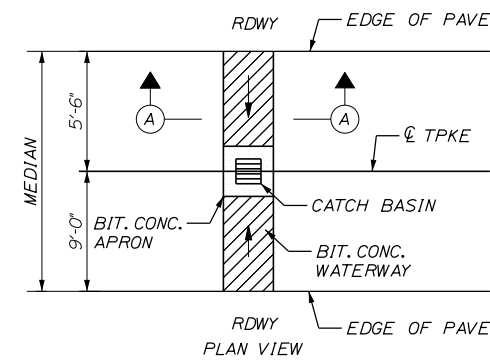
CONCRETE COLLAR WIDTH SCHEDULE

PIPE DIA. (INCHES)	WIDTH OF CONC. (INCHES)
12	24
15	24
18	24
24	24
30	30
36	36
42	48
48	48

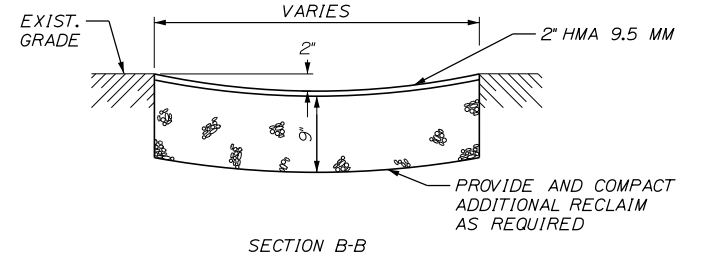
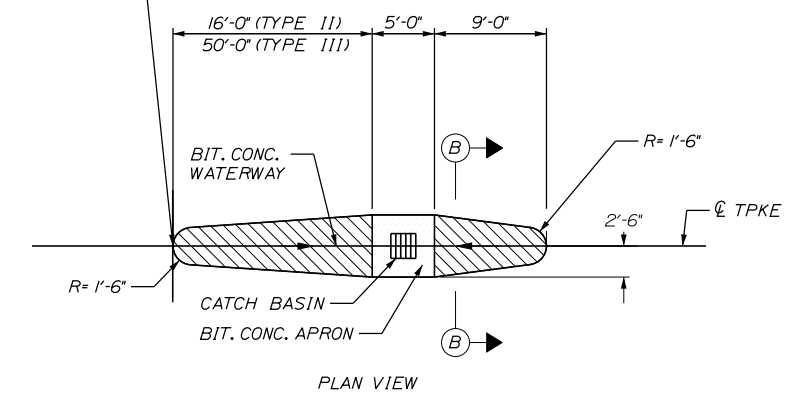
NOTES:

1. CONNECTION AND PIPE TO BE BACKFILLED PER ASTM D2321 (CRUSHED STONE).
2. CONCRETE SHALL BE CLASS A FIBER REINFORCED.
3. SEE CONCRETE COLLAR WIDTH SCHEDULE FOR DIMENSIONS.

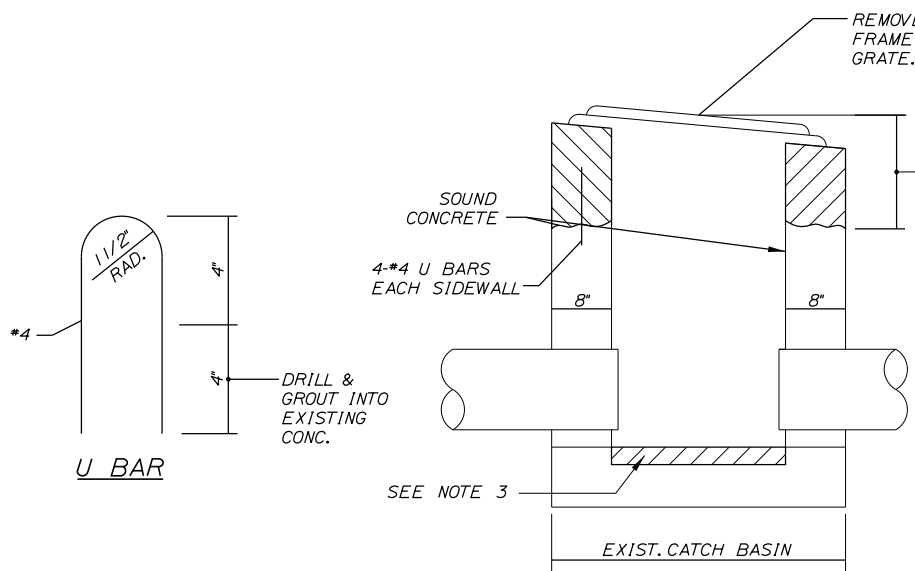
INSTALL 9" WIDE PERMEABLE PLASTIC BERMS AT START OF BITUMINOUS CONCRETE WATERWAY - TYPE III. PAYMENT FOR PERMEABLE PLASTIC BERMS SHALL BE INCLUDED IN THE BITUMINOUS CONCRETE WATERWAY - TYPE III ITEM.



BITUMINOUS CONCRETE WATERWAY, TYPE I N.T.S.



BITUMINOUS CONCRETE WATERWAY, TYPE II & TYPE III N.T.S.



REBUILD CATCH BASIN TO GRADE - TYPE II

REMOVE EXISTING FRAME AND GRATE. SEE NOTE 2.
 REMOVE EXISTING FRAME, CONCRETE AND ANCHOR RODS TO SOUND CONCRETE. REFORM BASIN TO GRADE USING CLASS "AAA" (MODIFIED) CONCRETE. EXISTING FRAME MAY BE ENCASED IN CONCRETE.

NOTES:

1. EXISTING CATCH BASINS NOTED IN THE PLANS SHALL BE REBUILT WITH THE FRAME AND GRATE SET, AND CONCRETE FINISHED, TO THE FINAL PAVEMENT GRADE.
2. RESET EXISTING FRAME AND GRATE 1/4" LOWER THAN ADJACENT PAVEMENT. IF ANY FRAMES OR GRATES ARE NOT REUSABLE, NEW GRATES OR FRAMES SHALL BE SUPPLIED BY THE AUTHORITY.
3. REMOVE UNSOUND CONCRETE (2" MIN.) AND REPLACE WITH NEW CONCRETE IF DIRECTED BY THE RESIDENT.
4. EXISTING LOW POINT CATCH BASIN GRATES SHALL BE REMOVED, PLATED, AND PAVED OVER PRIOR TO MILLING AND REINSTALLED AFTER SURFACE PAVING.

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Contract 2025.01
 Addendum No. 1
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Scale: NOT TO SCALE

No.	Revision	By	Date
1	CATCH BASIN NOTE REVISIONS	JRH	02/25

Designed by:

CONSULTANT PROJECT MANAGER: JOSEPH HOWE, PE

	By	Date	By	Date	
Designed	JRH	1\25	Checked	JRH	1\25
Drawn	KBJ	1\25	In Charge of	JRH	1\25

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: KRISTI VAN OUYEN, PE

PAVEMENT REHABILITATION
 MM 13.4 TO MM 20.0
 DRAINAGE DETAILS
 (2 OF 2)

SHEET NUMBER: DT-02
 18 OF 40

CONTRACT: 2025.01