MAINE TURNPIKE AUTHORITY ADDENDUM NO. 1

CONTRACT 2018.03

EXIT 44 SOUTHBOUND ON RAMP IMPROVEMENTS MILE 44.3

The bid opening date is Thursday February 15, 2018 at 11:00 a.m.

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

GENERAL

All questions regarding Contract 2018.03 shall be submitted by February 9, 2018 at 12 pm. Questions received after that time may not be answered.

No site visits shall be done during inclement weather requiring snow plow operations.

PROPOSAL

• Proposal Sheets P-2 to P-9 are deleted and replaced with sheets P-2 to P-9 attached hereto. The revision to these sheet adds the item 403.211 Hot Mix Asphalt - Shim

SPECIAL PROVISIONS

- SP-6, Special Provision Section 107.4.6 Prosecution of Work, second line, the words "base coarse" are deleted and replaced with "base and intermediate courses (all but surface)".
- SP-16, SECTION 401 HOT MIX ASPHALT, third paragraph, first sentence is deleted in its entirety and replaced with, "As part of the JMF submittal for the surface course, there are Hamburg Wheel Tracker requirements, the Contractor shall provide the Authority the test results in accordance with AASHTO T324."
- SP-19, SECTION 403 HOT MIX ASPHALT PAVEMENT has been deleted in its entirety and replaced with SP-19. The special provision table was revised to add Shim Pavement and complementary notes listed.
- SP-21, Special Provision Section 409.02 Bituminous Material, the second sentence is deleted and replaced with, "Bituminous material shall conform to the Specifications for Emulsified Asphalt RS-1h or RS-1, of the AASHTO Designation M-140."
- SP-67, SECTION 634 HIGHWAY LIGHTING, Section 634.01, fourth paragraph is deleted and replaced with, "All new light standards will be 35 feet tall with 2-foot riser and a 8-foot offset arm as detailed in the plans. All highway lights shall be installed so the LED fixture is centered over the shoulder for maintenance purposes."

- SP-69, SECTION 634 HIGHWAY LIGHTING, Section 634.021, first bullet shall be revised to add ",or approved equal"
- SP-69, SECTION 634 HIGHWAY LIGHTING, Section 634.021, second and third bullets shall be deleted.

PLANS

- Plan Sheet 2 of 64, ESTIMATED QUANTITIES AND EARTHWORK SUMMARY, has been deleted in its entirety and replaced with Plan Sheet 2 of 64, included in this addendum.
- Plan Sheets 9 and 10 of 64, PHASE 2 MAINTENANCE OF TRAFFIC PLAN 1 OF 3 and PLAN 2 OF 3 have been deleted in their entirety and replaced with Plan Sheets 9 and 10 of 64, included in this addendum.
- Plan Sheet 19 of 64, LIGHTING AND COMMUNICATION DETAILS 1, has been deleted in its entirety and replaced with Plan Sheet 19 of 64, included in this addendum.

QUESTIONS

The following are questions asked at the Pre-Bid meeting held February 1, 2018 at 10:00 a.m. Answers to the questions are noted. Bidders shall utilize this information in preparing their bid.

1. Question: Section 409 - Bituminous Tack Coat of the Special Provisions, page SP-29, in section 409.02 indicates Emulsified Asphalt RS-1h. Would the MTA accept Emulsified Asphalt RS-1?

Answer: Yes. This addendum will revise the Special Provisions.

- 2. Question: Section 202 Removing Pavement Surface, page SP-7, in section 202.01 Description indicates shimming may be required. How is shimming to be paid for?
- Answer: Shimming will be paid for under item 403.211 Hot Mix Asphalt Shim. This addendum will add item 403.211.
- 3. Question: Section 401.03 SP-14 indicates a maximum of 15% RAP may be used in any surface course and a maximum of 20% RAP for any base, intermediate, or shim course. Note C of Section 403 Hot Mix Asphalt Pavement indicates a maximum of 15% RAP may be used in all pavement layers. Can a maximum of 20% RAP be used in the base, intermediate or shim courses?

Answer: Yes. This addendum will revise the Special Provisions.

4. Question: Is the Hamburg Wheel Tracker allowed on all layers or just the surface?

Answer: This addendum will revise SP-16, Section 401.03 Composition of Mixtures.

5. Question: Will the MTA be sending somebody to test HMA for all pavement courses?

Answer: This addendum will revise SP-19, Section 403.

6. Question: Will work behind barrier be done day and night?

Answer: Yes.

ATTACHMENTS

- Pre-Bid Agenda (3)
- Pre-Bid Sign-In Sheets (2)
- Proposal Sheets (8)
- Special Provisions (1)
- Plans (4)

The total number of pages included with this addendum is twenty-two (22).

All bidders are requested to acknowledge the receipt of the Addendum No. 1 by signing the next page and faxing this sheet to Nate Carll, Purchasing Department, (207) 871-7739. Bidders are also required to acknowledge receipt of this Addendum No. 1 on Page P-10 of the bid package.

Acknowledgment of the receipt of Addendum No. 1 (22 pages)

Business Name

Print Name and Title

Signature

Date February 6, 2018

Very truly yours,

MAINE TURNPIKE AUTHORITY

Purchasing Manager Maine Turnpike Authority

> Contract 2018.03 Addendum No. 1 Page 4 of 22

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2018.03

EXIT 44 SOUTHBOUND ON RAMP IMPROVEMENTS MILE 44.3

February 1, 2018 10:00 a.m.

1) Location:

The general limits of work are at Mile 43.3 (Station 2139+00) to Mile 43.9 (Station 2168+00) in Scarborough, Maine.

2) General Description:

The roadway work consists of improving the southbound on ramp at Exit 44 in the Town of Scarborough, Maine. The existing one lane entrance ramp will be widened to accommodate a two-lane parallel entrance ramp merging with the two existing mainline travel lanes. The work includes reconstruction and grading on the mainline and ramp with earthwork, pavement, maintenance of traffic, signing, striping, guardrail, electrical work, all other work incidental thereto in accordance with the Plans and Specifications.

3) <u>Bid:</u>

- a) February 15, 2018 at 11:00 A.M. at MTA Headquarters 2360 Congress Street, Portland.
- b) All bid and contractual questions shall be directed to Purchasing Department, Phone No. (207)482-8115.
- c) All questions on plans and specifications shall be in writing and shall be directed (faxed) to Purchasing Department, of the Maine Turnpike Authority. Fax No. (207) 871-7739 or <u>ncarrll@maineturnpike.com</u>.
- 4) <u>Notification:</u>
 - a) Contractor shall notify and obtain approval from the Authority prior to visiting the Project site for field inspection. The contact person is Mr. Steve Tartre at (207) 871-7771, ext. 144.
- 5) <u>Maine Department of Labor Fair Hourly Wages (Special Provision 104.3.8)</u>
 - a) Highway and Earthwork wages
- 6) <u>General Requirements</u>
 - a) U-Turns at toll plazas and median openings not allowed, subject to fines. (Supplemental Specifications 105.5.1)

- 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 requirements and restrictions.
- c) All vehicles used on the Project, including concrete delivery trucks, shall be equipped with amber flashing beacons in accordance with the General Provision 652.61.
- d) Class III safety vests must be worn at all times in accordance with Supplemental Specifications 652.3.2.
- 7) Permit Requirements (Special Provision 105.8.2)
 - a) The Project is being constructed under the Maine DEP Natural Resources Protection Act Permit by Rule (PBR) for activities adjacent to protected natural resources. A copy of the PBR regulations and permit are in Appendix B.
 - b) The Project permitting also requires that Contractor shall not clear, disturb or otherwise impact other wetlands at the site during construction, beyond what impacts are shown on the project plans.
 - c) The Project is subject to the requirements of the Maine Pollutant Discharge Elimination System (MPDES) General Permit for Stormwater Discharge from Construction Activity
 - d) A Notice of Intent (NOI), accompanied by a preliminary Limit of Disturbance (LOD) of 5.11 acres have been filed by MTA with Maine DEP. Contractor shall prepare and file a **final** LOD.
 - e) Compliance with the Maine Pollutant Discharge and Elimination System (MPDES) General Permit for the Discharge of Stormwater from MTA's Municipal Separate Storm Sewer Systems (MS4) requirements outlined in this Contract is required by the Contractor.
 - f) Compliance with the erosion and sedimentation control requirements outlined in this Contract is required by the Contractor.
 - g) MaineDOT Best Management Practices (latest issue), subject to fines in accordance with Supplemental Specifications 105.8.1.

8) <u>Construction Schedule/Prosecution of Work:</u>

- a) February 22, 2018 Contract award considered at MTA Board Meeting
- b) April 2018 Anticipated Contract start
- c) May 24, 2018 Construction of the embankment widening shall be completed, up to and including the base coarse of pavement, guardrail and lighting with two lanes open to traffic on Exit 44 Southbound On Ramp
- d) June 21, 2018 Substantial Completion

- e) November 17, 2018 Contract Completion date
- f) Substantial completion defined as
 - i) Two lanes of the Exit 44 On Ramp fully open to traffic including shoulders, guardrail, surface pavement, drainage, lighting, signage and striping.
 - ii) All disturbed slopes loamed, seeded and mulched, temporary erosion control mix and/or blanket installed where necessary.
 - iii) No lane closures, except for demobilization (removal of construction signs and drums, and general clean-up).
- g) Liquidated damages on a calendar day basis in accordance with Subsection 107.7.2 shall be assessed for each calendar day that project completion is not achieved.
- h) Supplemental liquated damages for:
 - i) for each calendar day that substantial completion is not achieved on a calendar day basis in accordance with Subsection 107.8.
- 9) Traffic Control (Special Provision Section 652):
 - a) Phase 1 provides a long-term right shoulder closure with two 11' minimum travel lanes on mainline and one 11' minimum ramp travel lane adjacent to temporary concrete barrier.
 - b) Phase 2 provides a long-term travelway closure between two 11' minimum travel lanes on mainline and one 11' minimum ramp travel lane.

10) Specific Contract Items

- a) Section 526 Temporary Concrete Barrier Type I Supplied by Authority
 - i) The concrete barrier sections are stored at the Kennebunk Motel Site Mile 25.5 and shall be returned there.
- b) Section 606 Guardrail
 - i) The Guardrail run shall be the 31" W-Beam Guardrail Mid-way Splice system.
 - ii) The FLEAT shall be for use with the 31" W-Beam Guardrail Mid-way Splice system

11) Questions:

MAINE TURNPIKE AUTHORITY

Pre-Bid Conference

CONTRACT 2018.036

EXIT 44 SOUTHBOUND ON RAMP IMPROVEMENTS MILE 44.3

February 1, 2018 10:00 a.m.

RINT) COMPANY PHONE EMAIL	Neek Stanfed 287 3440 lawry, neek & Stanfee, com	Starke 887 3351 prulipatteji@starkeciom	Shew Ridthers 839-2552	M TA 482-8115	Dearboon Bros. Conct. 929-8812 L	cary RS Granchin 207-400-6517 estimatorscambicantauchinicun	Pike 207 240 9247	Pille 207 2121588	(21:222) 247 899 5241	Pike Industries 207-212-6462	PRATT & SONS 207-345-3311 ANDRENE PRATAND SONS.NET	ally but not bondran 207-577-7337 Pony P. Derdran Cop. Com	
NAME (PRINT)	Lauren Neek	Paul Potte	Mitch Elliott	Mate Garll	Lindray Dearboin	Sean O'Leany	Loren Blair	Ricky Chutier	JO22 Griffyh	Peternou la	on dden dden	tidum Di Muccella	5.03 0. 1

Addendum No. 1 Page 8 of 22

EMAIL	271-7771 - extig Etarber maine furnitie coun											
PHONE	871-7771 - ext 144											
COMPANY	ent A											
NAME (PRINT)	Steve Tardre								C	ontrac	t 201	3.03

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SCHEDULE OF BID PRICES CONTRACT NO. 2018.03 Exit 44 Southbound On Ramp Improvements (MM 44.3)

Item No	Item Description	Units	Approx. Quantities	Unit Price		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
202.15	REMOVING MANHOLE OR CATCH BASIN	Each	2				
202.202	REMOVING PAVEMENT SURFACE	Square Yard	2,700				
202.206	REMOVING RUMBLE STRIPS	Linear Foot	3,800				
203.20	COMMON EXCAVATION	Cubic Yard	7,600				
203.24	COMMON BORROW	Cubic Yard	300				
203.25	GRANULAR BORROW	Cubic Yard	3,275				
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	Cubic Yard	1,125				
304.14	AGGREGATE BASE COURSE - TYPE A	Cubic Yard	1,050				
403.207	HOT MIX ASPHALT, 19.0 MM NOMINAL MAXIMUM SIZE	Ton	2,225				
403.2081	HOT MIX ASPHALT, 12.5 MM (POLYMER MODIFIED)	Ton	950				
403.211	HOT MIX ASPHALT - SHIM	Ton	300				

Approx. Quantities 850 740	Unit Prices in Numbers Dollars BROUGHT FOR	Cents	Bid Amour in Number Dollars	
		<u> </u>	Dollars	Cents
	BROUGHT FOR	WARD:		
740				İ
3,200				-
150				+
1				
2				- <u>+</u>
24				-
2				+
825				+
200				
1				
1				 !
	825 200 1	825 200 1	825 200 1	825 200 1

					CONTR	ACT NO: 2018.	03
ltem No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amoun	
				Dollars	Cents	Dollars	Cents
				BROUGHT FOR	WARD:		<u>.</u>
606.352	REFLECTORIZED BEAM GUARDRAIL DELINEATOR	Each	17				
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	Each	4				
606.356	UNDERDRAIN DELINEATOR POST	Each	25				
606.3561	DELINEATOR POST - REMOVE AND RESET	Each	10				
606.791	GUARDRAIL - 350 FLARED TERMINAL - 31" W-BEAM GUARDRAIL	Each	1				
606.82	GUARDRAIL - REMOVE AND STACK EXISTING CRASH END	Each	1				
610.08	PLAIN RIPRAP	Cubic Yard	5				
610.16	HEAVY RIP RAP	Cubic Yard	385				
610.18	STONE DITCH PROTECTION	Cubic Yard	10				
610.181	TEMPORARY STONE CHECK DAM	Cubic Yard	100				
613.319	EROSION CONTROL BLANKET	Square Yard	2,550				
615.07	LOAM	Cubic Yard	1,100				

-					JUNIRAL	CT NO: 2018.	03
ltem No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amour in Number	
				Dollars Ce	ents	Dollars	Cents
				BROUGHT FORWA	RD:		
618.14	SEEDING METHOD NUMBER 2	Unit	54				
618.141	SEEDING METHOD NUMBER 3	Unit	30				+
619.1201	MULCH - PLAN QUANTITY	Unit	84				+
619.1202	TEMPORARY MULCH	Lump Sum	1				+
620.58	EROSION CONTROL GEOTEXTILE	Square Yard	330				+
626.122	QUAZITE JUNCTION BOX (18X11)	Each	14				+
626.22	NON-METALLIC CONDUIT	Linear Foot	2,700				+
626.31	18 INCH DIAMETER FOUNDATION	Each	6				
626.32	24 INCH DIAMETER FOUNDATION	Each	16				+
626.33	30 INCH DIAMETER FOUNDATION	Each	2				+
626.36	REMOVE OR MODIFY CONCRETE FOUNDATION	Each	11				
627.681	TEMPORARY 6 INCH PAINTED PAVEMENT MARKING LINE - YELLOW OR WHITE	Linear Foot	4,950				

1		1			CONTR	ACT NO: 2018	.03
Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amou in Number	
				Dollars	Cents	Dollars	Cents
	<u>.</u>	-	-	BROUGHT FORW	ARD:		-
627.73	TEMPORARY 6 INCH PAVEMENT MARKING TAPE	Linear Foot	18,050				
627.731	TEMPORARY 6 INCH BLACK PAVEMENT MARKING TAPE	Linear Foot	14,100				
627.744	6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	Linear Foot	14,900				
627.77	REMOVING EXISTING PAVEMENT MARKING	Square Foot	500				
627.812	TEMPORARY RAISED PAVEMENT MARKERS	Each	500				
627.94	PAVEMENT MARKING TAPE	Linear Foot	200				
627.941	PAVEMENT MARKING TAPE – DOTTED WHITE LANE LINE, 6-INCH WIDTH	Linear Foot	600				
627.944	PAVEMENT MARKINGS - RECESSED TAPE - WORDS, ARROWS AND STOP BARS	Square Foot	160	1			
629.05	HAND LABOR, STRAIGHT TIME	Hour	30				
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	Hour	20				
631.11	AIR TOOL (INCLUDING OPERATOR)	Hour	20				
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	Hour	30				

	1	1		C	ONTRACT NO: 2018.	03
Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers	Bid Amour in Number	
				Dollars Cer	nts Dollars	Cents
	• •			BROUGHT FORWAR	D:	
631.14	GRADER (INCLUDING OPERATOR)	Hour	30			
631.171	TRUCK - SMALL (INCLUDING OPERATOR)	Hour	30			
631.22	FRONT END LOADER (INCLUDING OPERATOR)	Hour	30			
631.36	FOREPERSON	Hour	30			
631.51	BUCKET TRUCK	Hour	20			
631.52	SCISSOR LIFT	Hour	20			
634.051	REMOVE AND STACK LIGHT STANDARD	Each	3			
634.160	HIGHWAY LIGHTING	Lump Sum	1			
634.175	REPLACEMENT LED FIXTURE, INSTALLED	Each	3			
634.208	REMOVE AND RESET LIGHT STANDARD	Each	4			
634.231	CONVENTIONAL LIGHT STANDARD WITH LED FIXTURE	Each	10			
645.105	REMOVE AND STACK SIGN	Each	4			
L			1	I		

645.271 RE	Item Description	Units Each	Approx. Quantities	Unit Prices in Numbers Dollars BROUGHT FOR	Cents	Bid Amour in Number Dollars	
645.271 RE	INGLE POLE	Each			<u> </u>	Dollars	Cents
645.271 RE	INGLE POLE	Each		BROUGHT FOR	WARD:		
645.271 RE	INGLE POLE	Each	Δ				
CC			+				
	EGULATORY, WARNING, ONFIRMATION AND ROUTE SSEMBLY SIGNS, TYPE I	Square Foot	102				-
645.289 ST	TEEL H-BEAM POLES	Pound	792				
	EMOVE AND RESET AINLINE SIGN NO. 1	Each	1				
	EMOVE AND RESET AINLINE SIGN NO. 2	Each	1				
652.30 FL	ASHING ARROW	Each	2				
652.312 TY	YPE III BARRICADES	Each	5				+
652.33 DF	RUM	Each	150				-
652.34 CC	ONE	Each	50				-
652.35 CC	ONSTRUCTION SIGNS	Square Foot	910				
	AINTENANCE OF TRAFFIC ONTROL DEVICES	Lump Sum	1				
652.39 PC	ORTABLE LIGHT TOWER	Each	2				 !

Approx. Item Unit Prices **Bid Amount** in Numbers in Numbers No Item Description Units Quantities Dollars Cents Dollars Cents **BROUGHT FORWARD:** 652.41 PORTABLE-CHANGEABLE Each 2 MESSAGE SIGN 652.45 TRUCK MOUNTED Cal. 90 ATTENUATOR \$18,000 00 Day \$200 00 652.451 AUTOMATED TRAILER Cal. 90 MOUNTED SPEED LIMIT Day SIGN 656.632 30" TEMPORARY SILT FENCE Linear 5,800 Foot TEMPORARY BERMS 656.60 Linear 100 Foot TEMPORARY SLOPE DRAINS Linear 100 656.62 Foot MOBILIZATION 659.10 Lump 1 Sum TOTAL:

CONTRACT NO: 2018.03

SPECIAL PROVISION

SECTION 403

HOT MIX ASPHALT PAVEMENT

Course	НМА	Item	Total	No. of	Complimentary
	Grading	Number	Thickness	Layers	Notes

Mainline and Ramp Variable Depth Mill and Pave

Wearing	12.5mm	403.2081	1.5"	1	A,C,F,G,H,I,J,K,L,N
Intermediate	12.5mm	403.213	1.5"	1	B,E,J,L,N
Shim	4.75	403.211	1.5"	1	B,E,J,L,N

Mainline and Ramp Full Depth Construction and Full Depth Pavement Removal

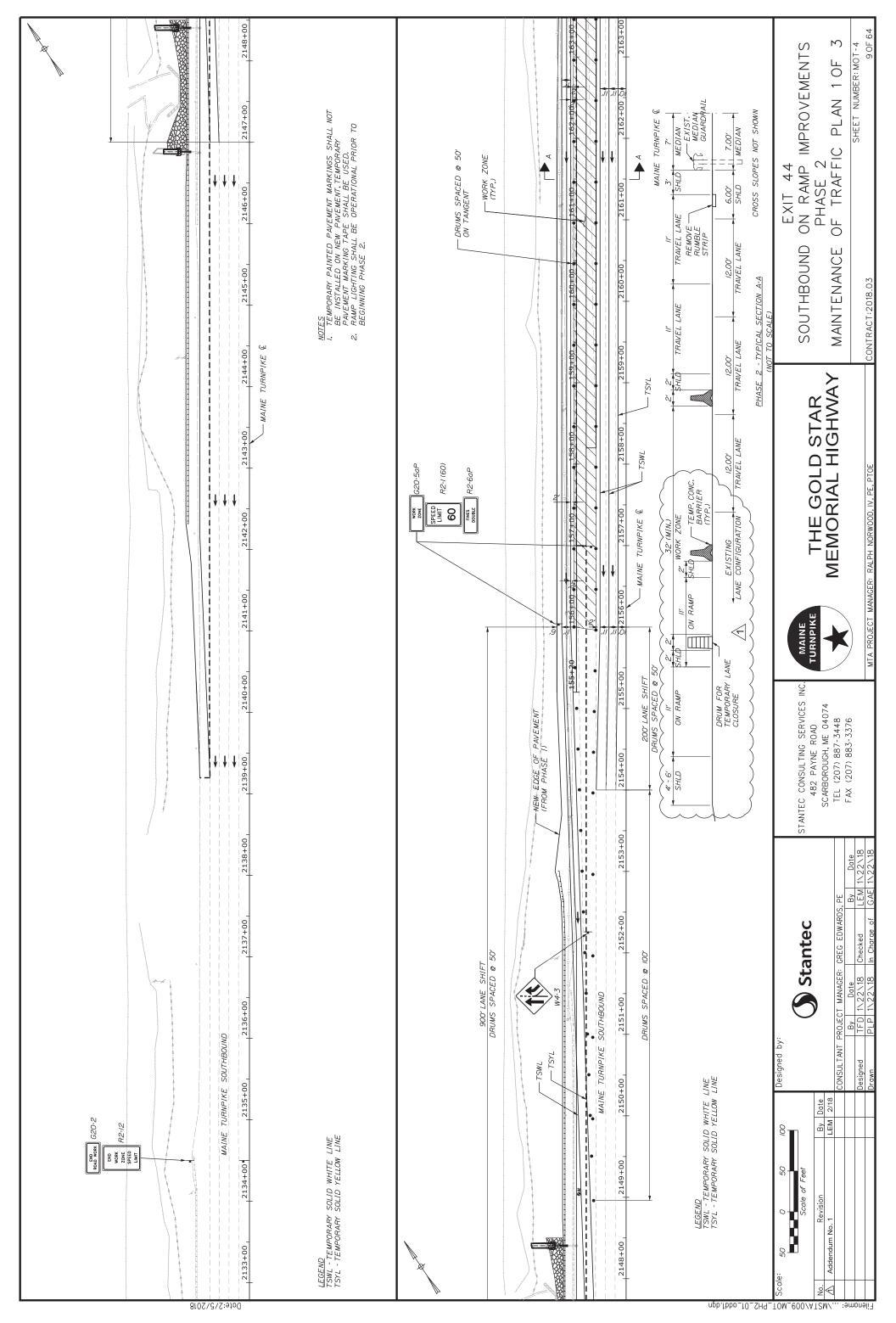
Wearing	12.5mm	403.2081	1.5"	1	A,C,F,G,H,I,J,K,L,N
Intermediate	12.5mm	403.213	1.5"	1	B,E,J,L,N
Base	19.0mm	403.207	7"	3	B,E,J,L,N

COMPLEMENTARY NOTES

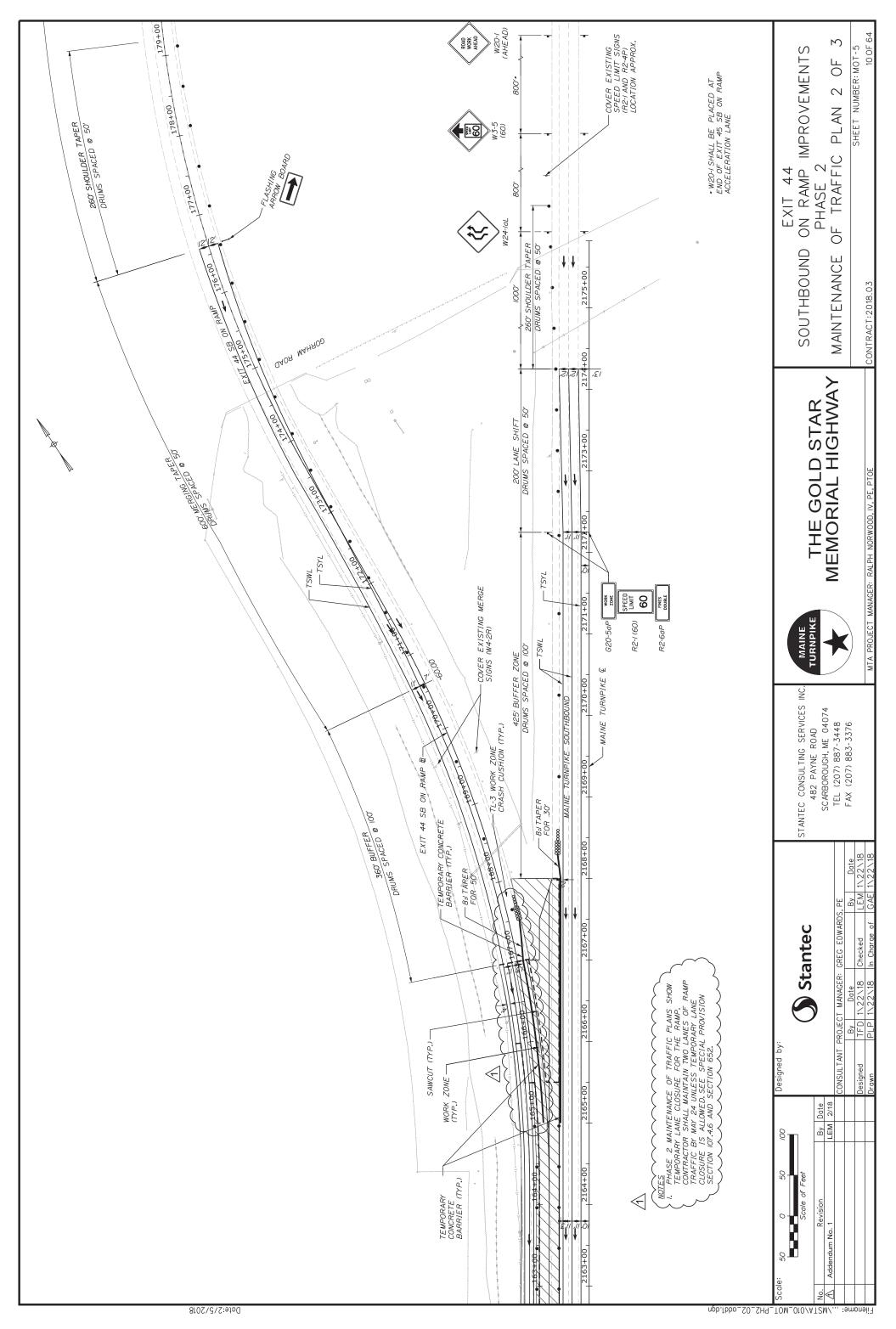
- A. The required PGAB for this mixture shall be 64E-28.
- B. The required PGAB for this mixture shall be 64-28.
- C. A maximum of 15 percent RAP may be used.
- D. RAP may not be used.
- E. The Maine DOT will conduct the job mix verification. The aggregate qualities shall meet the design traffic level of 3 to <10 million ESALS for mix placed under this contract. The design verification, Quality Control, and Acceptance tests for this mix will be performed at **75 gyrations**. (N design) Minimum and Maximum PGAB content shall not apply.
- F. The MTA will conduct the job mix verification. The aggregate qualities shall meet the design traffic level of 10 to <30 million ESALS for mix placed under this contract. The design verification, Quality Control, and Acceptance tests for this mix will be performed at **75 gyrations**. (N design)
- G. A material transfer vehicle (MTV) shall be used for the placement of Hot Mix Asphalt wearing surface on all roadways including acceleration and deceleration lanes and all ramps.
- H. Joints shall be constructed as the "notched wedge" type in accordance with Subsection 401.17.
- I. Joint density will be measured in accordance with Subsection 401.165.
- J. Tack coat shall be applied between all layers of pavement at a rate of 0.04 G/SY.
- K. PGAB shall conform to the provisions of 403.02 Polymer Modified PGAB for HMA
- L. The contractor shall furnish a quality control technician equipped with an approved densometer to ensure density requirements are met.
- M. Hydrated Lime shall be incorporated into the mixture.
- N. No vehicular loads shall be permitted on newly completed pavement until adequate stability has been attained and the material has cooled sufficiently to prevent distortion or loss of fines. The newly paved area may be opened to traffic after the internal temperature

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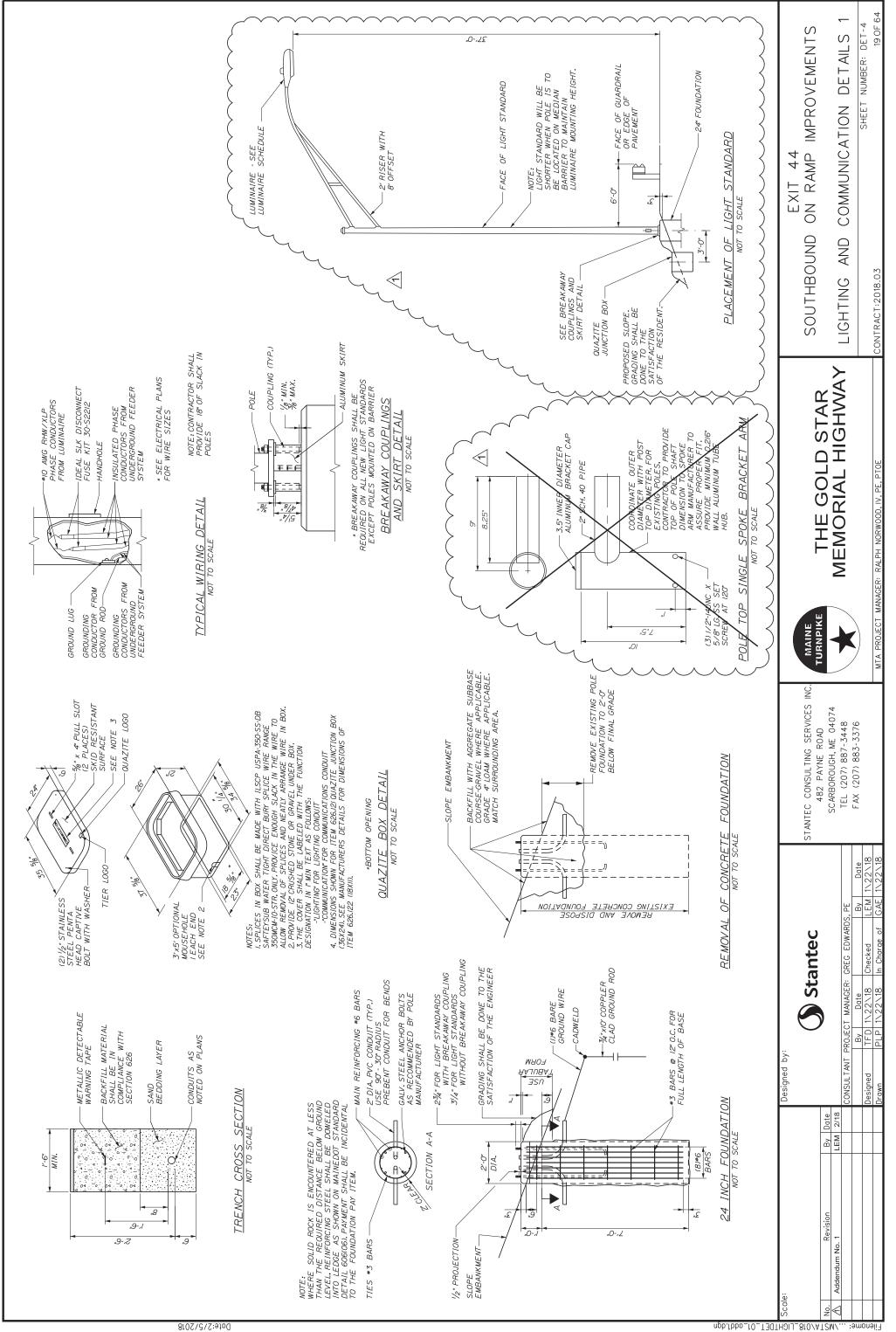
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Contract 2018.03 Addendum No. 1 Page 21 of 22



Contract 2018.03 Addendum No. 1 Page 22 of 22

Date:2/5/2018