

**MAINE TURNPIKE AUTHORITY**

**ADDENDUM NO. 1**

**CONTRACT 2014.03**

**PAVEMENT REHABILITATION**

**MM 102.6 TO MM 109.1**

**GUARDRAIL AND CLEAR ZONE IMPROVEMENTS**

**MM 100.3 TO MM 109.1**

**The following changes are made to the Specifications and Plans:**

**SPECIFICATIONS:**

- Remove P-3 through P-10 and Replace with the attached P-3 through P-10 REVISED.
- Remove SP-51 and Replace with the attached SP-51.
- Remove SP-53 and SP-54 and Replace with the attached SP-53 and SP-54.
- Delete pages SP-55 through SP-57.
- Delete third paragraph on SP-141 under Temporary Mainline Lane Closures and replace with the following:

Temporary single lane closures are allowed upon approval of the Resident. The lane closure set-up may not begin until the beginning time specified. Lane closures that are set-up early or that remain in place outside of the approved period shall be subject to a lane rental fee of \$500.00 per five minutes for every five minutes outside of the approved time. The installation of the construction signs will be considered setting up a 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 arrowboards shall be a continuous operation. The Authority reserves the right to order removal of an approved lane closure.

- Add Pay Item 652.3911 Maintenance of Traffic Control Devices, Northern Ave. Pay Unit Lump Sum on SP-153.
- Remove AP-A5 and Replace with the attached AP-A5.

**The following are questions submitted to the Maine Turnpike Authority in writing. Answers to the questions are noted. Bidders shall utilize this information in preparing their bid.**

Question 1: Please provide some info on Item # 606.82. What type of crash end + locations?

Answer: There are three Modified Eccentric Loader Terminal (MELT) to be removed and stacked at the Gardiner Maintenance Yard at MM 101.8. Their locations are all on the south bound and as noted on the Schedule of Guardrail Limits along with installation instructions.

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

The total number of pages plan sheets included with this addendum is 15

All bidders are requested to acknowledge the receipt of the Addendum No. 1 by signing below and faxing this sheet to J. Ryan Leavitt, P.E., Senior Resident Engineer, MTA at 207-878-8613. Bidders are also required to acknowledge receipt of this Addendum No. 1 on Page P-11 of the bid package.

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

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

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

April 9, 2014

Very truly yours,  
MAINE TURNPIKE AUTHORITY

\_\_\_\_\_  
Nathanial Carl  
Purchasing Manager  
Maine Turnpike Authority

**SCHEDULE OF BID PRICES**  
**CONTRACT NO. 2014.03**  
**Pavement Rehabilitation MM 102.6 to MM 109.1**  
**Guardrail and Clear Zone Improvements MM 100.3 to MM 109.1**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
201.11	Clearing	Acre	0.25				
202.122	Removing Existing Concrete(Flowable Fill)	Cubic Yard	27				
202.202	Removing Pavement Surface - Mainline	Square Yard	201,995				
202.2021	Removing Partial Pavement Surface - Bridge Deck	Square Yard	1,200				
202.2026	Removing Pavement Surface - Drainage Paths	Square Foot	4,934				
202.205	Rumble Strips	Each	53,210				
203.20	Common Excavation	Cubic Yard	600				
203.21	Rock Excavation	Cubic Yard	50				
203.241	Common Borrow, Truck Measure	Cubic Yard	150				
203.25	Granular Borrow	Cubic Yard	3,750				
205.51	Widening of Existing Shoulder	Linear Foot	480				

**CARRIED FORWARD:**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
205.521	Widening of Existing Shoulder - Truck Turn Out, Interchange 103	Lump Sum	1				
206.08	Structural Earth Excavation, Major Structures	Cubic Yard	70				
304.10	Aggregate Subbase Course-Gravel	Cubic Yard	544				
403.207	Hot Mix Asphalt, 19mm Nominal Maximum Size	Ton	40				
403.2083	Hot Mix Asphalt, 12.5mm (Polymer Modified)- RAP	Ton	16,970				
403.2084	Hot Mix Asphalt, 12.5mm Nominal Maximum Size(sidewalks, drives, islands & incidentals)	Ton	137				
403.211	Hot Mix Asphalt (shimming)	Ton	5,700				
409.15	Bituminous Tack Coat - Applied	Gallon	13,000				
419.30	Full Depth Bituminous Sawcut	Linear Foot	300				
459.06	Bituminous Concrete Waterway - Type I	Each	1				
459.061	Bituminous Concrete Waterway - Type II	Each	6				
470.08	Berm Dropoff Correction - Grindings	Ton	2,100				

**CARRIED FORWARD:**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
520.23	Asphaltic Plug Joint	Linear Foot	111				
526.306	Temporary Concrete Barrier, Type I - Supplied by Authority(120 LF)	Lump Sum	1				
527.303	Energy Absorbing System (CAT) - Remove, Modify, and Reset	Each	1				
527.305	Energy Absorbing System (CAT) - Remove and Stack	Each	1				
527.341	Work Zone Crash Cushions - TL-3	Unit	1				
603.155	12 inch Reinforced Concrete Pipe - Class III	Linear Foot	18				
603.159	12 inch Culvert Pipe - Option III	Linear Foot	93				
603.179	18 inch Culvert Pipe - Option III	Linear Foot	45				
603.199	24 inch Culvert Pipe - Option III	Linear Foot	135				
603.229	42 inch Culvert Pipe - Option III	Linear Foot	11				
603.28	Concrete Collar	Each	19				
603.281	Concrete Collar for 42 inch RCP	Each	1				

**CARRIED FORWARD:**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
604.184	Rebuild Catch Basin to Grade - Type II	Each	15				
604.186	Rebuild Catch Basin to Grade - Type IV	Each	3				
604.244	Catch Basin Type F-4	Each	5				
606.1725	Bridge Transition - Type III Modification, Shoulder	Each	4				
606.1726	Bridge Transition - Type III Modification, Median	Each	4				
606.178	Guardrail Beam	Linear Foot	1,412.5				
606.24	Guardrail Type 3d Single Rail	Linear Foot	1,225				
606.2401	Guardrail Type 3d Double Rail	Linear Foot	250				
606.2652	Terminal End - Remove and Stack	Each	44				
606.278	Terminal End - Anchored End	Each	44				
606.352	Reflectorized Beam Guardrail Delineator	Each	1,600				
606.353	Delineator Post	Each	111				

**CARRIED FORWARD:**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
606.355	Delineator Post - Remove and Stack	Each	92				
606.3605	Remove, Modify and Reset Single Guardrail	Linear Foot	150				
606.3621	Guardrail Adjust - Single Rail	Linear Foot	14,625				
606.3622	Guardrail Adjust - Double Rail	Linear Foot	44,230				
606.3631	Guardrail - Remove and Dispose	Linear Foot	25				
606.471	Single Offset Block - W Beam	Each	587				
606.48	Single Galvanized Steel Post	Each	214				
606.701	Asymmetrical Thrie Beam Transition	Each	4				
606.754	Widen Shoulder for Guardrail 350 Flared Terminal	Each	3				
606.80	Guardrail - 350 Flared Terminal	Each	4				
606.81	Guardrail - 350 Flared Terminal, Remove and Stack	Each	1				
606.82	Guardrail - Remove and Stack Existing Crash End	Each	3				

**CARRIED FORWARD:**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
607.431	Snow Fence	Linear Foot	205.3				
610.08	Plain Rip Rap	Cubic Yard	50				
613.319	Erosion Control Blanket	Square Yard	1,000				
615.07	Loam	Cubic Yard	425				
618.1401	Seeding Method Number 2, Plan Quantity	Unit	30				
619.1201	Mulch, Plan Quantity	Unit	30				
619.1202	Temporary Mulch	Lump Sum	1				
620.58	Erosion Control Geotextile	Square Yard	100				
627.18	12 Inch Solid White Pavement Marking Line	Linear Foot	3,670				
627.712	White or Yellow Pavement Marking Line	Linear Foot	137,280				
627.713	Broken White Pavement Marking Line	Linear Foot	68,640				
627.761	Temporary Pavement Marking Line, Yellow or White	Linear Foot	411,840				

**CARRIED FORWARD:**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
627.812	Temporary Raised Pavement Markers	Each	22,000				
627.94	Pavement Marking Tape	Linear Foot	2,574				
627.941	Pavement Marking Tape - Dotted White Lane Line, 6-inch width	Linear Foot	519				
627.942	Pavement Marking Tape - Dotted White Lane Line, 12-inch width	Linear Foot	159				
629.05	Hand Labor, Straight Time	Hour	80				
631.10	Air Compressor (including operator)	Hour	50				
631.11	Air Tool (including operator)	Hour	80				
631.12	All Purpose Excavator (including operator)	Hour	20				
631.172	Truck - Large (including operator)	Hour	20				
631.36	Foreman	Hour	40				
652.30	Flashing Arrow	Each	4				
652.3311	Drum, Mill and Fill	Lump Sum	1				

**CARRIED FORWARD:**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
<b>BROUGHT FORWARD:</b>							
652.35	Construction Signs	Square Foot	4,950				
652.3611	Maintenance of Traffic Control Devices, Mill and Fill	Lump Sum	1				
652.3911	Maintenance of Traffic Control Devices, Northern Ave.	Lump Sum	1				
652.411	Portable - Changeable Message Sign with Radar Unit	Each	2				
652.45	Truck Mounted Attenuator	Cal. Day	60				
656.50	Baled Hay, in place	Each	220				
656.632	30 inch Temporary Silt Fence	Linear Foot	2,200				
<b>TOTAL:</b>							

SPECIAL PROVISION

SECTION 403

HOT BITUMINOUS PAVEMENTS

<u>Desc. of Course</u>	<u>Grad. Design</u>	<u>Item Number</u>	<u>Bit Cont. % of Mix</u>	<u>Total Thick</u>	<u>No. Of Layers</u>	<u>Comp. Notes</u>
<b><u>Bridge Decks</u></b> <b><u>Northern Avenue/Central Street</u></b>						
Wearing	12.5 mm	403.2083	5.2 min to 6.40	1 1/2 in.	1	A, B, C, D, E, G, H & I
<b><u>Mainline Mill and Fill</u></b>						
Wearing	12.5 mm	403.2083	5.2 min. to 6.4	1 1/2 in.	1	A, B, C, D, E, F, G, H & I
Base	19 mm	403.207	4.7 min to 6.10	9 in.	3	A, B, C, E, F and G
Shim	4.75 mm	403.211	5.7 min to 7.50	½ in.	1	A, B, C, E, F, & G

COMPLEMENTARY NOTES

- A. The required PGAB for Items 403.2083 will meet a **PG 64E-28** grading requirement in AASHTO MP-19. Refer to provisions of 403.02 – General for HMA, for additional testing and documentation requirements. The required minimum PGAB for Items 403.207, 403.208, 403.211 shall be a **PG 64-28** grading.
- B. A maximum of 15 percent RAP may be used in the Hot Mix Asphalt.
- C. The MaineDOT will conduct the job mix verification. The aggregate qualities shall meet the design traffic level of 3 to < 10 million ESAL for mix placed under this Contract. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **75 gyrations**.
- D. A material transfer vehicle (transfer box) shall be used for the placement of Hot Mix Asphalt, 12.5 mm Nominal Maximum size, wearing surface, on both the northbound and southbound roadways including acceleration and deceleration lanes and all ramps.
- E. No vehicular traffic or 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

## SPECIAL PROVISION

### SECTION 403

#### HOT BITUMINOUS PAVEMENT

##### 403.01 Description

This work shall also consist of the construction, maintenance and removal of all temporary bituminous ramps at locations as shown on the Plans or as directed by the Resident.

##### 403.02 General

The Contractor shall compose the Hot Mix Asphalt Pavement with aggregate, Performance Graded Asphalt Binder (PGAB), and mineral filler if required. The Performance Graded Asphalt Binder (PGAB) shall be polymer modified as detailed in this special provision and shall conform to the requirements of AASHTO M 320. The required PGAB shall be a storage-stable, preblended, homogeneous, polymer modified asphalt binder that meets PG 64E-28 grading requirements in AASHTO MP-19.

##### Polymer-Modified

The RTFOT (AASHTO T 240) residue of the polymer modified PGAB shall be tested by the Contractor according to ASTM D 6084 and have a minimum elastic recovery value of 60% at a test temperature of 25 °C. The Contractor shall provide the Authority with documentation and test results from the asphalt binder provider showing that the polymer modified PGAB meets the requirements of this special provision. The base asphalt binder PGAB shall be unmodified and meet a **PG 58-28** to **PG 64-28** grading. The Authority may take an informational samples of the polymer modified PGAB at any time to evaluate its elastic recovery value.

##### 403.03 Construction

All areas which have been milled or overlaid shall have a minimum 29 foot temporary ramp constructed at the milled or overlaid limits prior to opening the roadway to traffic. Temporary ramps shall be constructed using the same material as being placed on that day or as directed by the Resident. All temporary ramps are to be constructed on a sand joint. The Contractor shall be responsible for all repairs and maintenance required for the temporary ramps.

The Contractor shall be responsible for the layout of the longitudinal centerline between the travel lanes. The control points to establish this line will be furnished by the Authority.

The sand and loose debris adjacent to the median guardrail shall be removed and disposed of by the Contractor off of Turnpike property.

403.04 Test Strip

A minimum test strip of 100 tons placed at a nominal depth of 1 ½ inches, full lane width, shall be required. It shall be evaluated under testing requirements for mix volumetric and density. The exact location will be identified by the Authority. A fog coat of Item 409.15, Bituminous Tack Coat, shall be applied to the level course prior to the placement of the HMA surface course, payment to be made under the 409.15 pay item. The test strip will be excluded from the remainder of the projects' QA analysis. The Contractor shall notify the Authority at least 48 hours in advance of placing the test strip. The test strip is intended to allow the Contractor to establish a method of compaction and adjust plant settings prior to mainline plant production.

403.05 Method of Measurement

The construction and removal of temporary ramps on sand joints, and maintaining the ramps will not be measured separately for payment, but shall be incidental to Items 403.

The removal of sand and loose debris will not be measured separately for payment, but shall be incidental to paving items.

Hot Mix Asphalt, 12.5 mm (Polymer pavement with (up to) 15% RAP, placed as a wearing surface will be measured under Item 403.2083 Hot Mix Asphalt, 12.5 mm (Polymer Modified) - Mill and Fill.

403.06 Basis of Payment

Hot Mix Asphalt, 12.5 mm (Polymer Modified) pavement with (up to) 15% RAP, placed as a wearing surface will be paid under Item 403.2083 Hot Mix Asphalt, 12.5 mm (Polymer Modified) – Mill and Fill.

The following pay items are added:

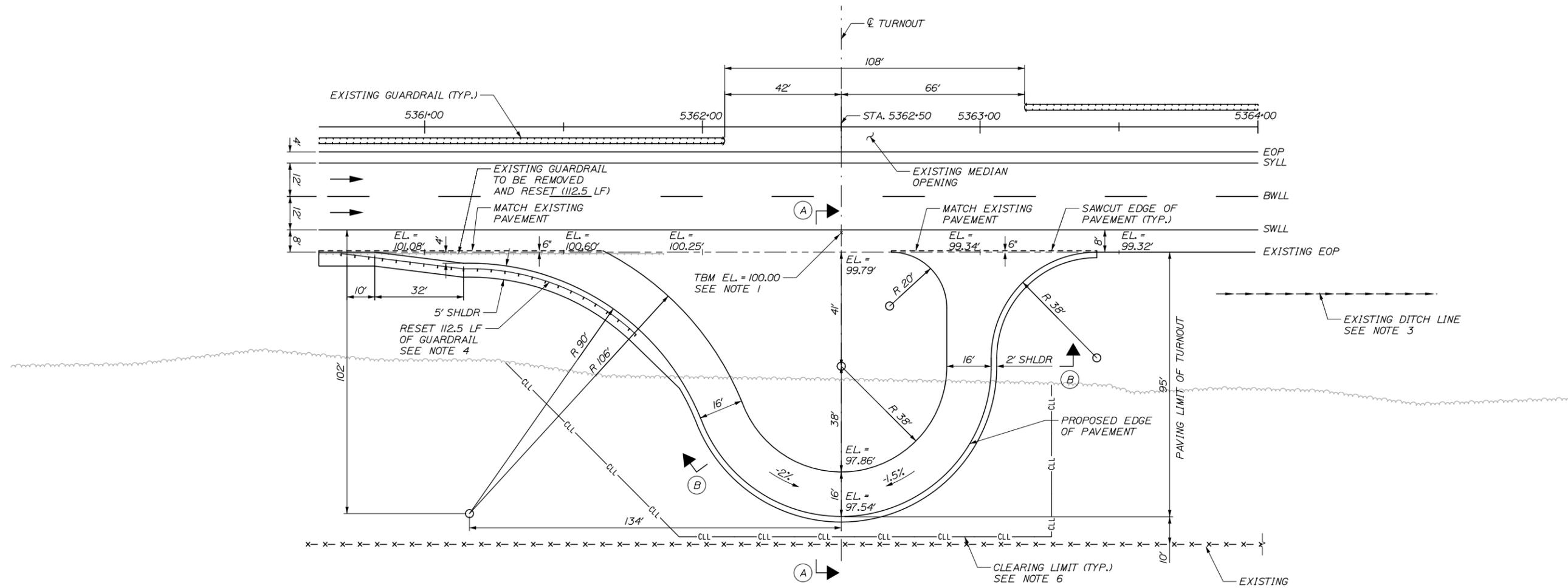
<u>Pay Item</u>		<u>Pay Unit</u>
403.2083	Hot Mix Asphalt, 12.5 mm (Polymer Modified) – RAP	Ton

Work Hours Northern Avenue Northbound--Weekend Special with Lane Closure  
MM104.6 NB

May/June					
NB					
Weekends	7pm Friday to 7am Monday				
5/16-19/14					
5/30-6/2/14					
6/6-9/14					



Date: 4/8/2014



MM 104.9 NORTHBOUND TRUCK TURNAROUND PLAN  
1" = 20'

- NOTES:**
- TEMPORARY PROJECT BENCH MARK IS A PK NAIL IN PAVEMENT, OFFSET FROM EDGE OF PAVEMENT 7.0', ELEVATION = 100.00'.
  - ADJUST INSLOPE AS REQUIRED TO AVOID DISTURBING RIGHT OF WAY FENCE.
  - MAINTAIN POSITIVE DRAINAGE IN EXISTING DITCH LINE AWAY FROM TRUCK TURNAROUND.
  - RESET EXISTING GUARDRAIL TO BE REMOVED TO NEW SHOULDER ON TRUCK TURNAROUND. MAINTAIN 2'-0" OFFSET FROM EDGE OF PAVEMENT. RAIL HEIGHT SHALL BE 30", 0", 1/2".
  - EXCAVATION NECESSARY TO MAINTAIN POSITIVE DRAINAGE AWAY FROM TRUCK TURNAROUND SHALL BE PAID FOR UNDER ITEM 631.12 ALL PURPOSE EXCAVATOR AS APPROVED BY THE RESIDENT. EXCAVATED MATERIAL MAY BE USED TO REGRADE SIDE SLOPES, AS APPROVED BY THE RESIDENT.
  - CLEARING LIMIT LINE SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE TOE OF EMBANKMENT SLOPE. TREE BRANCHES OVERHANGING THE ROW FENCE MORE THAN 10 FEET SHALL BE TRIMMED BACK.

Filename: 032\_NB\_Truck\_Turnout.dgn

Scale: AS NOTED			
No.	Revision	By	Date
1	ADDENDUM NO. 1	BAT	05/14

Designed by:			
			
By	Date	By	Date
Designed	BAT 04/14	Checked	JRL 04/14
Drawn	JRD 04/14	In Charge of	SRT 04/14

MAINE TURNPIKE AUTHORITY  
2360 Congress Street  
Portland, ME 04102  
TEL (207) 871-7771  
FAX (207) 879-5567



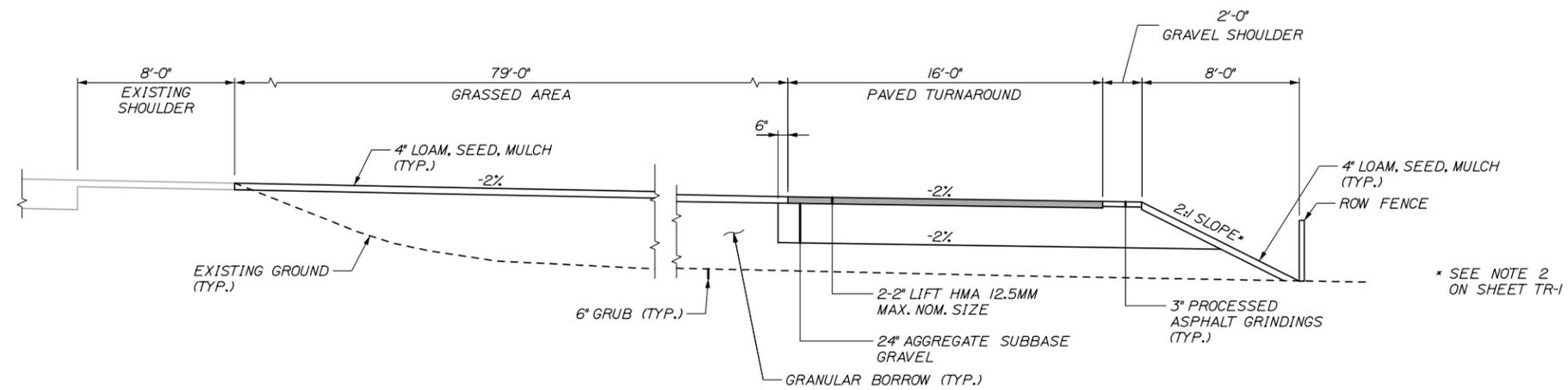
## THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

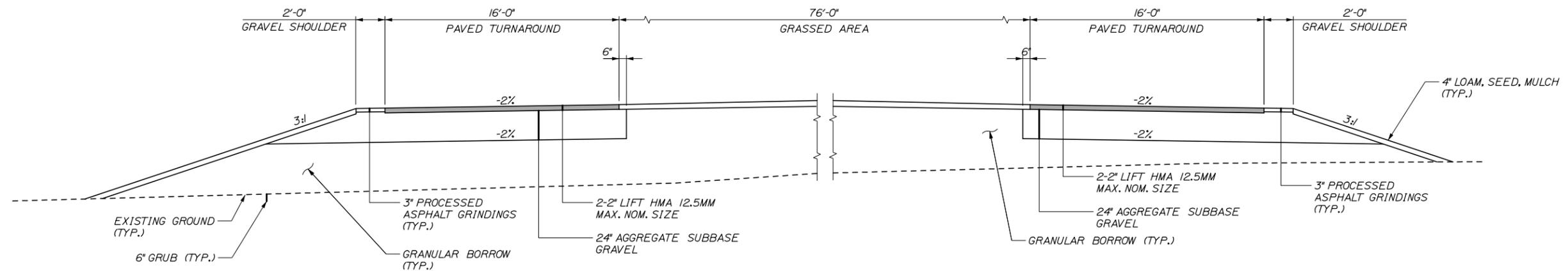
PAVEMENT REHABILITATION, GUARDRAIL AND CLEAR ZONE IMPROVEMENTS  
NORTHBOUND TURNAROUND PLAN

SHEET NUMBER: TR-1  
CONTRACT: 2014.03  
32 OF -

Date: 4/7/2014



SECTION A-A  
MM 104.9 TRUCK TURNAROUND  
NTS



SECTION B-B  
MM 104.9 TRUCK TURNAROUND  
NTS

Filename: 033\_Truck\_Turnout\_Xsec.dgn

Scale:			
NOT TO SCALE			
No.	Revision	By	Date
1	ADDENDUM NO. 1	BAT	05/14

Designed by:			
			
	By	Date	
Designed	BAT	04/14	Checked
Drawn	JRD	04/14	In Charge of
			JRL
			SRT

MAINE TURNPIKE AUTHORITY  
2360 Congress Street  
Portland, ME 04102  
TEL (207) 871-7771  
FAX (207) 879-5567



## THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION, GUARDRAIL  
AND CLEAR ZONE IMPROVEMENTS

TRUCK TURNOUT  
TYPICAL SECTION

SHEET NUMBER: TR-2  
CONTRACT: 2014.03  
33 OF 34