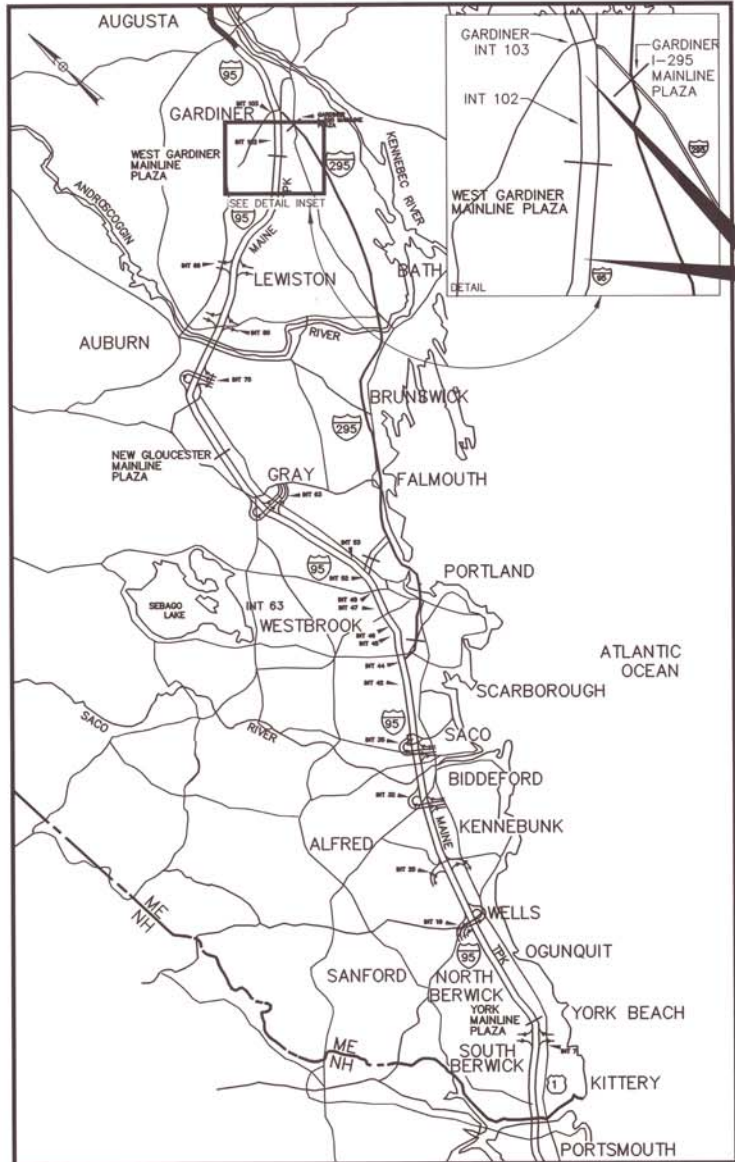




THE GOLD STAR
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY



LOCATION MAP

CONTRACT 2018.01
PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS
MM 98.0 TO MM 102.17

DANIEL E. WATHEN, CHAIR
ROBERT D. STONE, VICE CHAIR
MICHAEL CIANCHETTE, MEMBER
JOHN E. DORITY, MEMBER
ANN R. ROBINSON, MEMBER
THOMAS J. ZUKE, MEMBER
KAREN S. DOYLE, MEMBER EX-OFFICIO

S. PETER MILLS, EXECUTIVE DIRECTOR

CONTRACT 2018.01 PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS MM 98.0 TO MM 102.17

INDEX OF SHEETS		
SHEET NO.	SHEET NO.	DESCRIPTION
1		TITLE SHEET
2	C-1	ESTIMATED QUANTITIES
3	C-2	PAVING LIMITS OVERVIEW
4	P-1	TYPICAL SECTIONS
5	P-2	ROUTE 126 REPAIR I
6	P-3	ROUTE 126 REPAIR II
7	P-4	ROUTE 126 MAINTENANCE OF TRAFFIC
8	P-5	DRAINAGE SUMMARY
9	P-6	RUMBLE STRIP DETAILS/ROUTE 126
10	P-7	BERM DETAILS
11	P-8	MISCELLANEOUS DETAILS
12-14	T-1-3	TRAFFIC CONTROL I - III
15	T-4	WEST GARDINER BARRIER TOLL MATCH LIMITS
16-18	T-5-7	MAINTENANCE OF TRAFFIC I-III
19	T-8	SIGN SUMMARY I
20	T-9	SIGN SUMMARY II
21	T-10	SIGN SUMMARY III
22	T-11	PAVEMENT MARKING DETAILS I
23	T-12	PAVEMENT MARKING DETAILS II
24-25	G-1-2	GUARDRAIL DETAILS I-II

CONTRACT 2018.01

APPROVED: MAINE TURNPIKE AUTHORITY

Peter S. Merfeld
PETER S. MERFELD, P.E. - CHIEF OPERATIONS OFFICER
2/28/18
DATE

Stephen R. Tartre
STEPHEN R. TARTRE, P.E. - DIRECTOR OF ENGINEERING & BUILDING MAINTENANCE
2/28/18
DATE



SHEETS
1-25

Joseph Ryan Leavitt
JOSEPH RYAN LEAVITT, P.E.
SENIOR RESIDENT ENGINEER

2/28/18
DATE

ESTIMATED QUANTITIES							
Item No.	Item Description	Unit	Location 1	Location 2	Location 3	Location 4	Total Quantity
202.202	Removing Pavement Surface - Mainline	SY	28125	31625	27325	32175	119,250
202.2026	Removing Pavement Surface - Drainage Paths	SF	864	912	864	912	3,552
202.205	Rumble Strips	EA	8775	9100	8775	9100	35,750
202.206	Removing Rumble Strips	LF				950	950
203.20	Common Excavation	CY	67			2331	2,398
203.25	Granular Borrow	CY	14			1170	1,184
304.10	Aggregate Subbase Course - Gravel	CY	36			462	498
304.14	Aggregate Base Course - Type A	CY	8			225	233
403.207	Hot Mix Asphalt, 19.0mm Nominal Maximum Size RAP	TON	9			538	547
403.208	Hot Mix Asphalt, 12.5mm Nominal Maximum Size RAP	TON	69	138		138	345
403.2081	Hot Mix Asphalt, 12.5mm Nominal Maximum Size, (Polymer Modified) RAP	TON	2,183	2,367	2,183	2,367	9,100
403.2081	Hot Mix Asphalt, 12.5mm Nominal Maximum Size, (Polymer Modified) RAP (70E-34)	TON	125	125	125	125	500
403.2084	Hot Mix Asphalt, 12.5mm Nominal Maximum Size (sidewalks, drives, islands, and incidentals)	TON	35	15			50
403.212	Hot Mix Asphalt, 4.75mm Nominal Maximum Size	TON	960	1,032	960	1,048	4,000
407.08	Berm Dropoff Correction - Grindings	TON	132	269	132	268	802
407.081	Berm Correction	LF				3,200	3,200
409.15	Bituminous Tack Coat, Applied	GAL	2,207	2,381	2,202	2,607	9,397
419.30	Saw Cutting Bituminous Pavement	LF	99			472	571
424.323	Asphalt Rubber Mastic Crack Filler-Applied	Pound	2,760	2,970	2,760	3,010	11,500
429.341	Grid/Fabric Composite Pavement Interlayer	SF		7,200			7,200
526.306	Temporary Concrete Barrier Type I - Supplied by Authority (590 LF)	LS				1	1
527.301	Energy Absorbing System (CAT) - New	EA	2				2
527.341	Work Zone Crash Cushions - TL-3	EA			1		1
603.155	12 Inch Reinforced Concrete Pipe - Class III	LF	9		9	18	36
603.199	24 Inch Culvert Pipe Option III	LF		20		40	60
603.28	Concrete Collar	EA		1		2	3
604.184	Rebuild Catch Basin to Grade - Type II	EA	3	5	3	4	15
605.105	6 inch Underdrain Type C	EA	65				65
606.353	Delineator Post - New	EA	5				5
606.354	Delineator Post - Remove and Reset	EA		1	5	2	8
606.3605	Guardrail - Remove, Modify, and Replace - Single Rail	LF				200	200
606.3606	Guardrail - Remove, Modify, and Replace - Double Rail	LF	475				475
606.3621	Guardrail Adjust - Single Rail	LF		350		150	500
606.3622	Guardrail Adjust - Double Rail	LF		200			200
606.3631	Guardrail - Remove and Dispose	LF	175				175
606.471	Single Offset Block - W- Beam	EA	10				10
606.48	Single Galvanized Steel Post	EA	5				5
606.791	Guardrail 350 Flared Terminal - Remove and Reset	EA				1	1
610.08	Plain Riprap	CY		5		77	82
613.32	Erosion Control Blanket	SY	59	50	50	384	543
615.07	Loam	CY				38	38
618.1401	Seeding Method #2, Plan Quantity	UNIT				3	3
619.12	Mulch	UNIT				3	3
619.1202	Temporary Mulch	LS	0.25	0.25	0.25	0.25	1
620.58	Erosion Control Geotextile	SY	50	50	50	250	400
627.712	White or Yellow Pavement Marking Line	LF	17550	19000	17550	20440	74,540
627.713	Broken White Pavement Marking Line	LF	8775	9100	8775	9100	35,750
627.77	Removing Existing Pavement Marking	SF				4750	4,750
627.78	Temporary Pavement Marking Line, White or Yellow	LF	52650	55400	52650	68080	228,780
627.812	Temporary Raised Pavement Markers	EA	2415	2544	2415	2616	9,990
627.94	Pavement Marking Tape 6 inch	LF	330	342	330	342	1,344
627.941	Pavement Marking Tape - Dotted White Lane Line 6 inch	LF		111			111
629.05	Hand Labor, Straight Time	HR					50
631.10	Air Compressor (Including Operator)	HR					40
631.11	Air Tool (Including Operator)	HR					40
631.12	All Purpose Excavator (including Operator)	HR					50
631.17	Truck - Large (including Operator)	HR					50
631.36	Foreman	HR					50
645.109	Remove and Reset Sign	EA				1	1
652.30	Flashing Arrow Board	EA					4
652.312	Type III Baracades	EA				2	2
652.331	Drum	LS					1
652.35	Construction Signs	SF	1050	1050	1050	1055	4,205
652.361	Maintenance of Traffic Control Devices	LS					1
652.41	Portable-Changeable Message Sign	EA					2
652.45	Truck Mounted Attenuator	CD					60
652.451	Automated Trailer Mounted Speed Limit Sign	Unit					2
652.46	Temporary Portable Rumble Strips (1 Unit = 3 strips)	CD					60
656.632	30 inch Temporary Silt Fence	LF	100	50	50	500	700
659.103	Mobilization (Paving)	LS					1

GENERAL NOTES

1. THE CONTRACTOR IS REQUIRED TO CALL DIG SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO START OF WORK.
2. THE CONTRACTOR SHALL NOTIFY THE RESIDENT 10 DAYS PRIOR TO CONSTRUCTION SO THE RESIDENT CAN ARRANGE FOR MAINE TURNPIKE UNDERGROUND UTILITY LOCATION. ALL PROPOSED SIGN LOCATIONS AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. EXCAVATING WILL NOT BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS' UNDERGROUND UTILITIES IN THE MARKED AREAS.

THE AUTHORITY HAS PROGRAMMED TWO FIELD VISITS FOR MAINE TURNPIKE UTILITY COORDINATION ON THIS PROJECT. SHOULD THE CONTRACTOR NEED ADDITIONAL SIGN LOCATIONS AND/OR ADDITIONAL EXCAVATION LOCATIONS MARKED, OR SHOULD THE CONTRACTOR FAIL TO MAINTAIN THE AUTHORITY'S PREVIOUSLY ESTABLISHED DIG SAFE MARKS, THE AUTHORITY SHALL DEDUCT THE ADDED MARKING COSTS FROM THE CONTRACTOR'S PAYMENT.
3. EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARDS FOR EXCAVATIONS).
4. ALL STANDARD DETAILS SHALL BE IN CONFORMANCE WITH MAINE DEPARTMENT OF TRANSPORTATION (MAINE DOT) STANDARD DETAILS HIGHWAY AND BRIDGES 2014 LATEST REVISIONS AND MAINE DOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL LATEST REVISION UNLESS OTHERWISE INCLUDED IN THESE PLANS.

DRAINAGE NOTES

1. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT APPROVAL OF THE RESIDENT.


EROSION CONTROL

1. ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES, ANY ADDITIONAL MEASURES APPROVED BY THE RESIDENT WILL BE MEASURED FOR PAYMENT.
2. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES.


Scale: NOT TO SCALE

No.	Revision	By	Date
1	Edits to quantities	JRL	4/12

Designed by:

		By	Date	By	Date
		JRL	2/14/2018	GJO	2/14/2018
Designed	JRL	2/14/2018	Checked	GJO	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

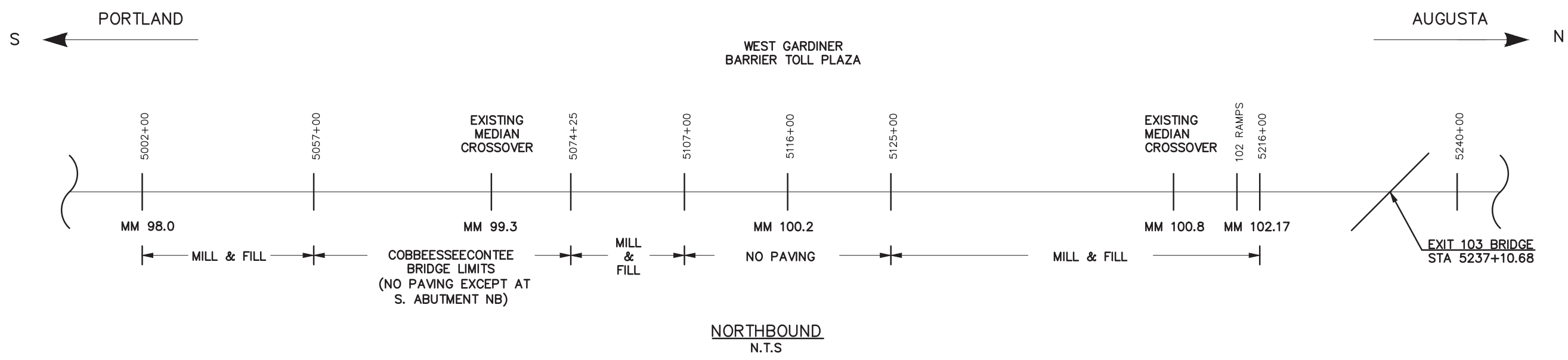
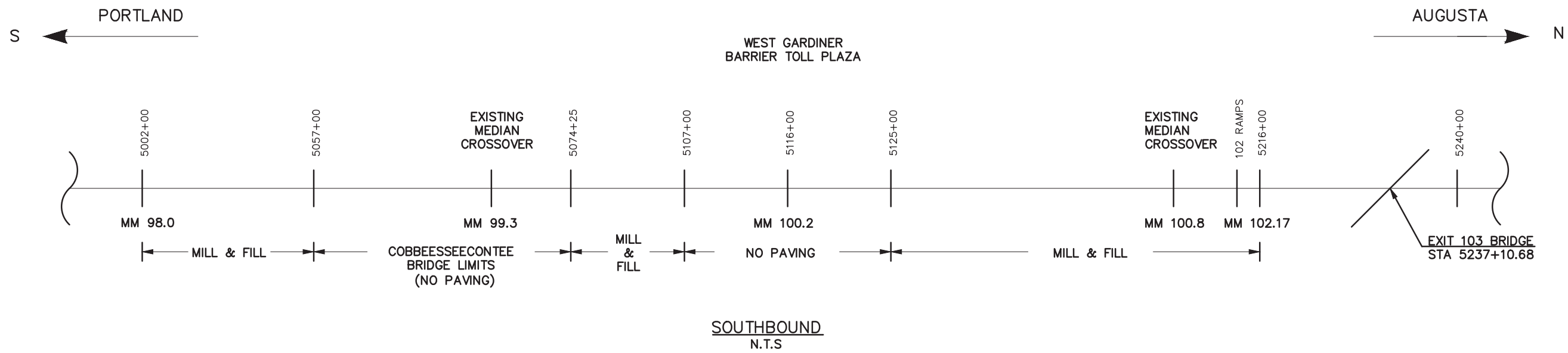
MAINE TURNPIKE AUTHORITY
2360 Congress Street
Portland, ME 04102
TEL (207) 871-7771
FAX (207) 879-5567

	<h1>THE GOLD STAR MEMORIAL HIGHWAY</h1>
	<p>MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.</p>

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

ESTIMATED QUANTITIES
AND GENERAL NOTES

SHEET NUMBER: C-1
CONTRACT: 2018.01
2 of 25



MAINLINE PAVING WORK LIMITS

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

	By	Date		By	Date
	JRL	2/14/2018	Checked	GJO	2/14/2018
	BMB	2/14/2018	In Charge of	SRT	2/14/2018

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.	

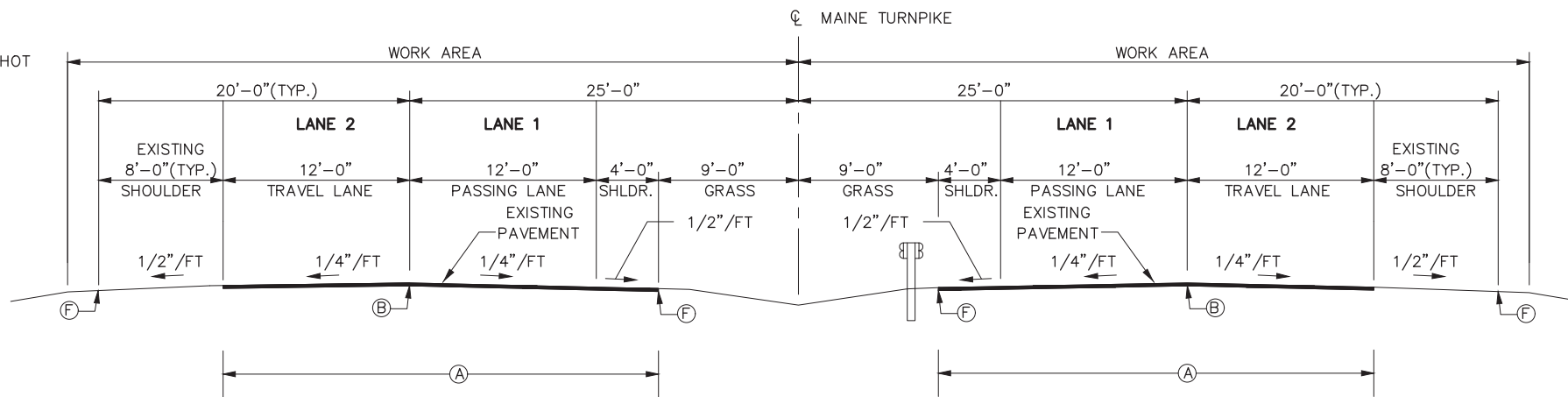
PAVEMENT REHABILITATION
 CLEAR ZONE IMPROVEMENTS
 PAVING LIMITS OVERVIEW

SHEET NUMBER: C-2
 CONTRACT: 2018.01
 3 of 25

C:\BMB\Projects\2018.01 print date 2.28.2018

NB & SB 98.0-102.17
 2" M&F
 PAVEMENT LEGEND

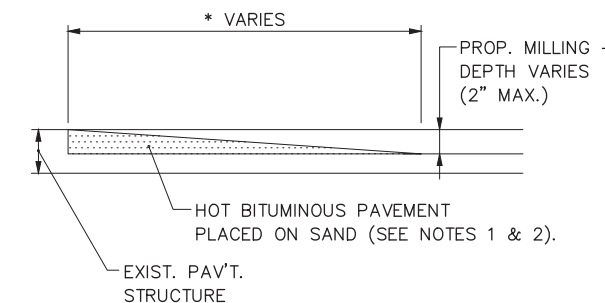
- (A) = LIMITS OF 2" MILL AND 2" FILL (28'), 1 1/2" HOT MIX ASPHALT, 12.5 MM AND 1/2" SHIM
- (B) = DOUBLE LAYER OF TACK ON NOTCH WEDGE
- (F) = BERM DROPOFF CORRECTION OR BERM CORRECTION



PAVEMENT MILL & FILL LOCATIONS 1 & 2
 *MM 98.0 - MM 102.17

*THE 102 INTERCHANGE ACCELERATION AND DECELERATION RAMPS SHALL BE MILLED AND FILLED TO EXISTING PAVING JOINT

* 2" = 35'
 1 1/2" = 29'



TEMPORARY BITUMINOUS RAMP
 N.T.S.


NOTES:

1. HOT MIX ASPHALT FOR TEMPORARY RAMPS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO HOT MIX ASPHALT 12.5mm.
2. REMOVAL OF TEMP. BITUMINOUS RAMPS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO HOT MIX ASPHALT 12.5mm.

NOTES:

1. A COATING OF HOT RUBBERIZED ASPHALT (ASTM D6690 TYPE IV) SHALL BE APPLIED AT THE TOP SURFACE LIFT TO ALL TRANSVERSE BUTT JOINTS AND LONGITUDINAL JOINTS EXCEPT WHERE THE NOTCHED WEDGE IS USED.
2. BITUMINOUS TACK COAT IS REQUIRED BETWEEN EXISTING PAVEMENT AND HMA, 12.5 MM, 9.5 MM OR SHIM.

Scale:			
NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
					
	By	Date		By	Date

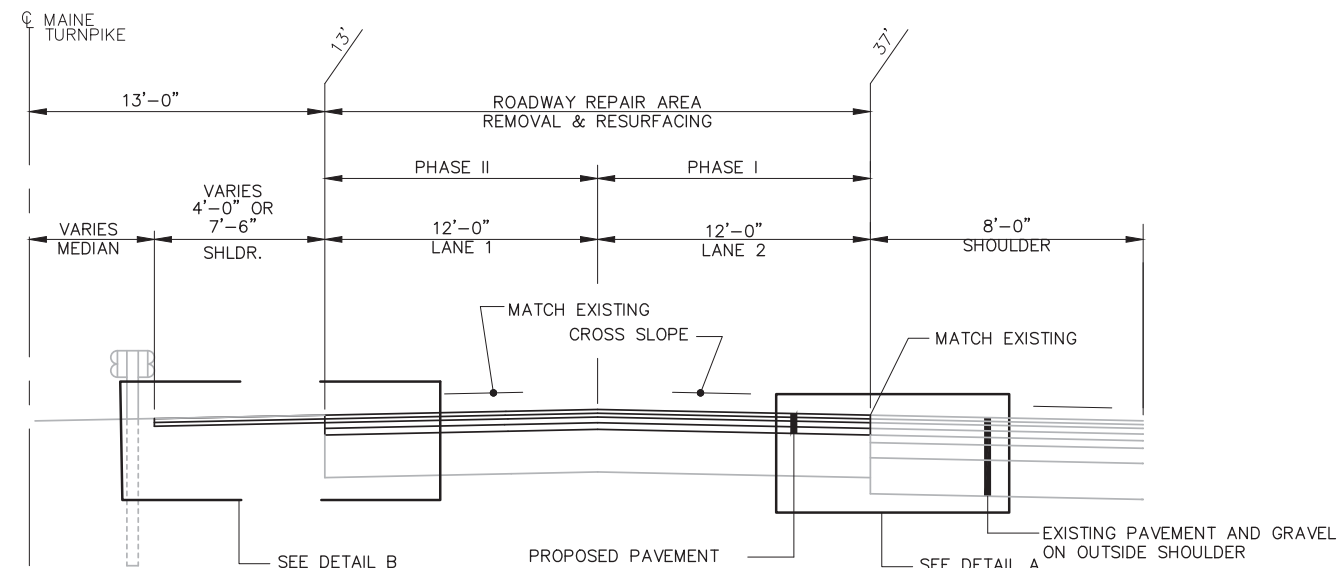
MAINE TURNPIKE AUTHORITY
 2360 Congress Street
 Portland, ME 04102
 TEL (207) 871-7771
 FAX (207) 879-5567



THE GOLD STAR
MEMORIAL HIGHWAY

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

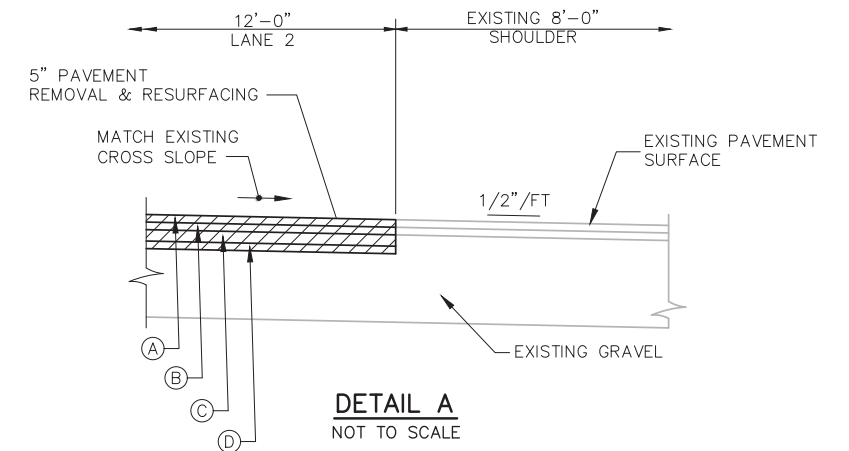
PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS TYPICAL SECTION
SHEET NUMBER: P-1
CONTRACT: 2018.01
4 of 25



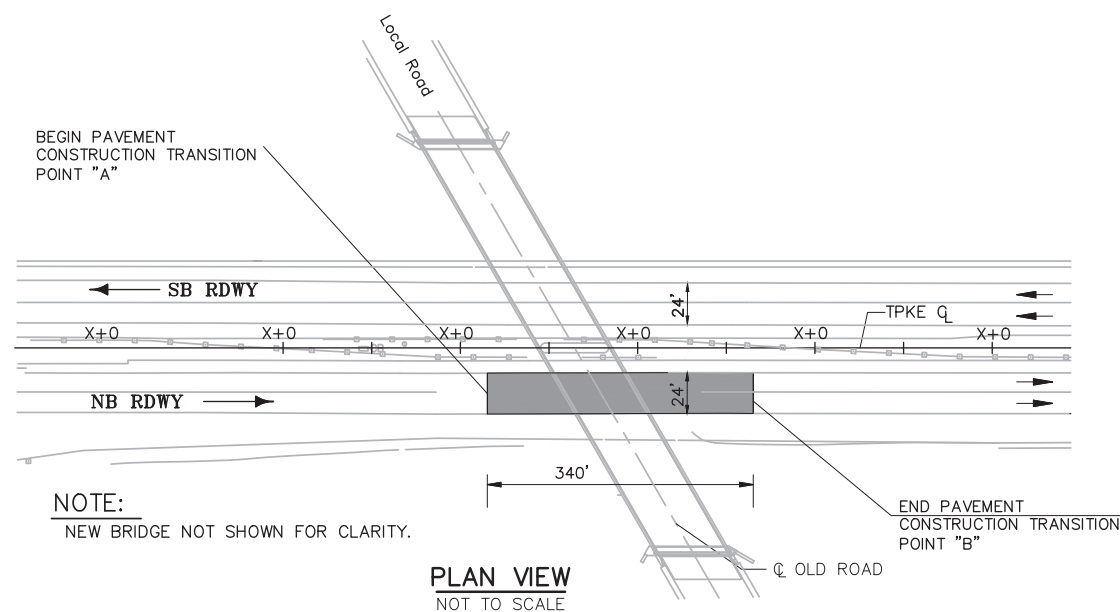
2 LANE TYPICAL HALF SECTION - NB

NOT TO SCALE

ROUTE 126 - MILE 101.7

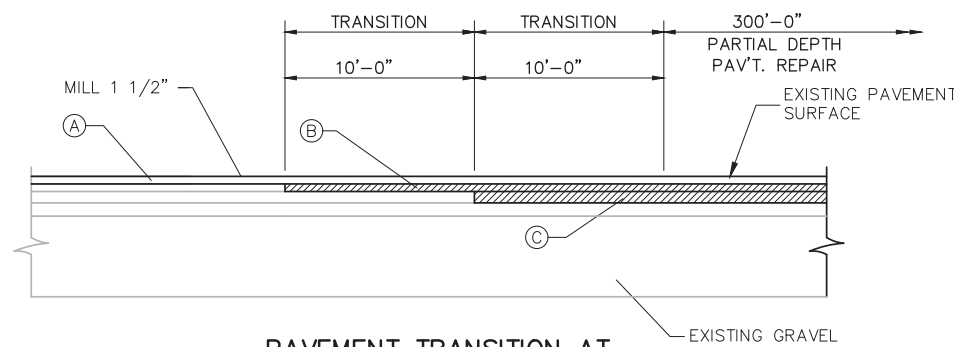


DETAIL A
NOT TO SCALE

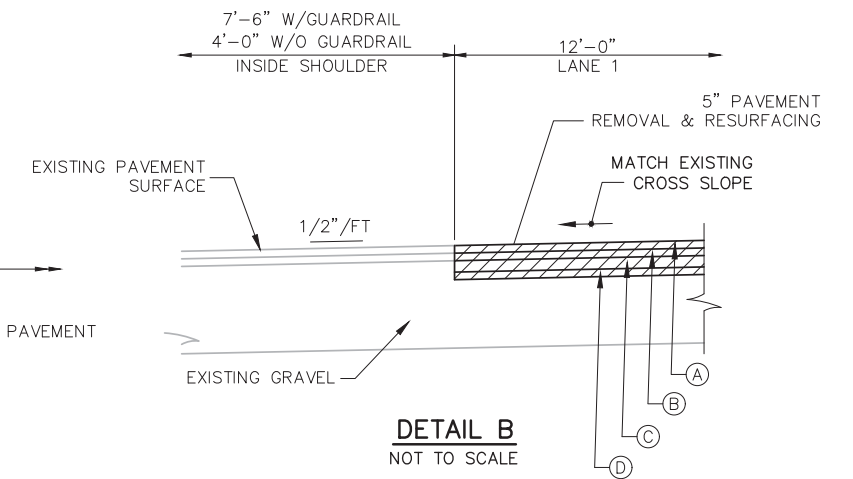


PLAN VIEW
NOT TO SCALE

NOTE:
NEW BRIDGE NOT SHOWN FOR CLARITY.



PAVEMENT TRANSITION AT PARTIAL DEPTH CONSTRUCTION
NOT TO SCALE



DETAIL B
NOT TO SCALE

LEGEND

- (A) 1 1/2" HOT MIX ASPHALT, 12.5 mm (POLYMER MODIFIED)
- (B) 1 3/4" HOT MIX ASPHALT 12.5 mm
- (C) GLASGRID 8511
- (D) 1 3/4" HOT MIX ASPHALT 12.5 mm

NOTES:

1. A COATING OF HOT RUBBERIZED ASPHALT (ASTM D6690 TYPE IV) SHALL BE APPLIED TO ALL TRANSVERSE BUTT JOINTS AND LONGITUDINAL JOINTS.
2. BITUMINOUS TACK COAT IS REQUIRED BETWEEN ALL LAYERS OF PAVEMENT.

BRIDGE NAME NO.	RDWY.	POINT "A"*	POINT "B"*
ROUTE 126 MM 101.7	NB	STA.	STA.

*TBD: POINT "A" AND "B" TO BE FIELD LOCATED BY THE RESIDENT

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567					
	By	Date		By	Date
Designed	JRL	2/14/2018	Checked	GJO	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

THE GOLD STAR MEMORIAL HIGHWAY					
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.					

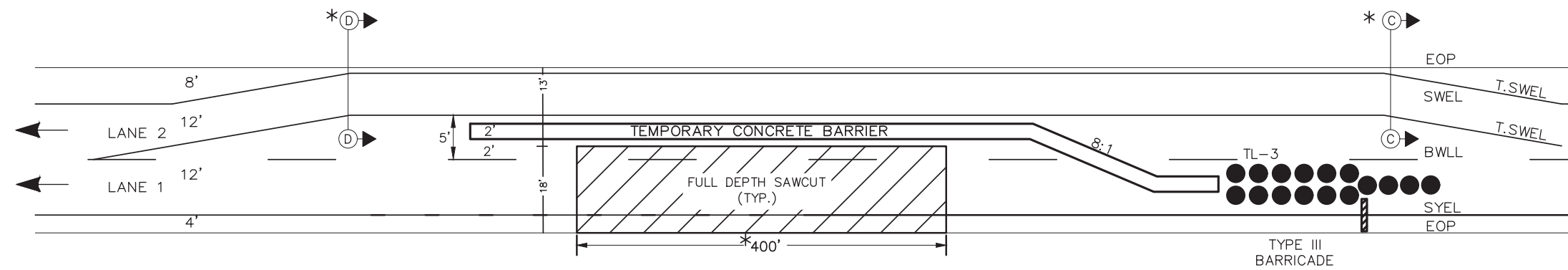
PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS	
ROUTE 126 REPAIR I	
SHEET NUMBER: P-2	

CONTRACT: 2018.01	5 of 25
-------------------	---------

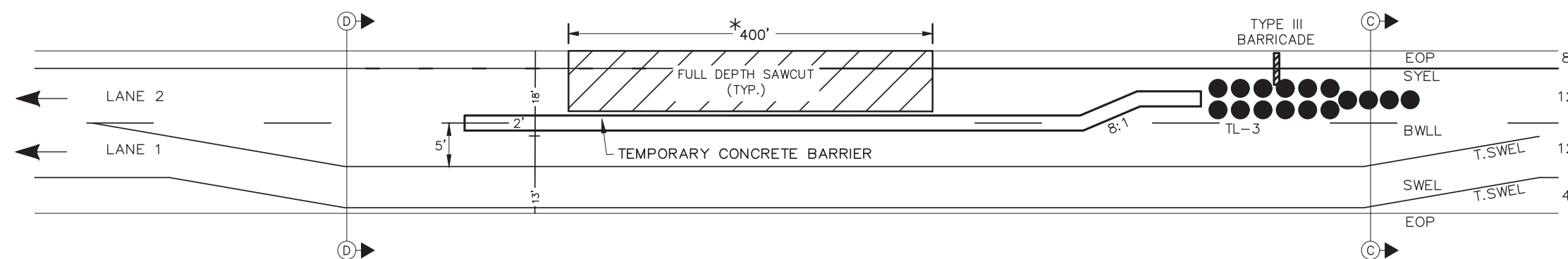
C:\BMB\Projects\2018.01 print date 2.28.2018

*** NOTES:**

1. SEE PLAN SHEET 6 FOR TRAFFIC CONTROL PACKAGE LAYOUT.

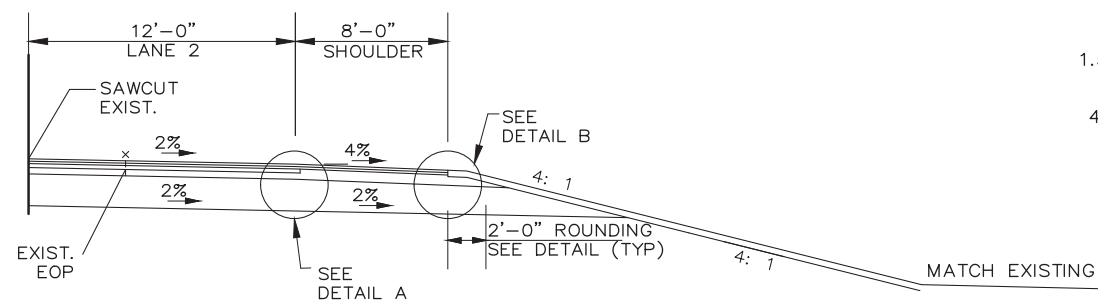


MM 101.7 SOUTHBOUND FULL DEPTH RECONSTRUCTION
PHASE 1
 NTS



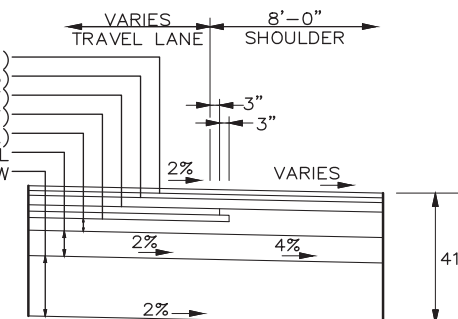
MM 101.7 SOUTHBOUND FULL DEPTH RECONSTRUCTION
PHASE 2
 NTS

* THERE IS A 50' TRANSITION INCLUDED IN THIS 400' ON EACH END

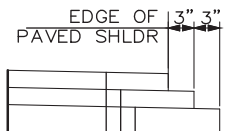


CROSS SLOPE EXTENSION DETAIL

- 1.5" HOT MIX ASPHALT GRADING 12.5mm (SURFACE-403.2081)
- 1.5" HOT MIX ASPHALT GRADING 12.5mm (BINDER-403.213)
- 2.5" HOT MIX ASPHALT GRADING 19.0mm (BASE-403.207)
- 4.5" (2 LIFTS) HOT MIX ASPHALT GRADING 19.0mm (403.207)
- 4" AGGREGATE BASE COURSE-CRUSHED (TYPE A)
- 8" AGGREGATE SUBBASE COURSE-GRAVEL
- 19" GRANULAR BORROW



DETAIL A
 N.T.S.




- 1.5" H.M.A. 12.5mm (SURFACE-403.2081)
- 1.5" H.M.A. 12.5mm (BINDER-403.213)
- 2.5" H.M.A. GRADING 19.0mm (BASE-403.207)

DETAIL B
 N.T.S.

Scale: NOT TO SCALE


No.	Revision	By	Date

Designed by:



	By	Date	Checked	By	Date
Designed	JRL	2/14/2018	Checked	GJO	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

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



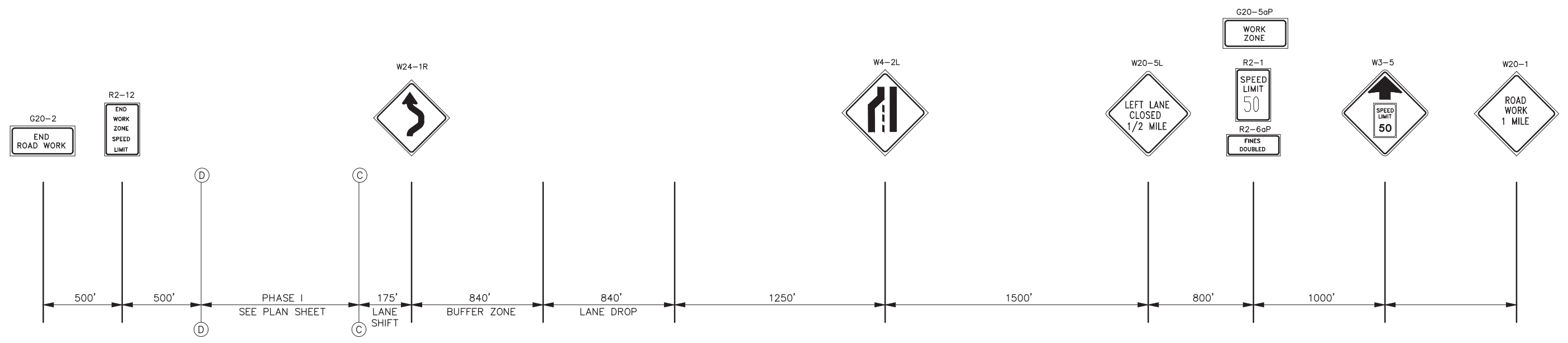
**THE GOLD STAR
 MEMORIAL HIGHWAY**

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

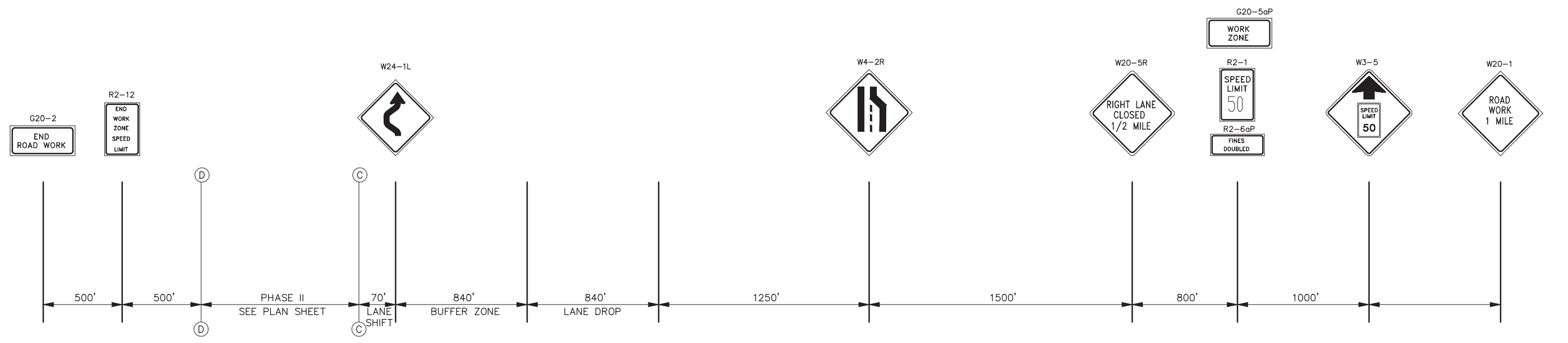
PAVEMENT REHABILITATION
 CLEAR ZONE IMPROVEMENTS

ROUTE 126 REPAIR II

SHEET NUMBER: P-2
 CONTRACT: 2018.01
 6 of 25



MM 101.7 PHASE I SB LANE 1 REPAIR
N.T.S




MM 101.7 PHASE II SB LANE 2 REPAIR
N.T.S

Scale: NOT TO SCALE


No.	Revision	By	Date

Designed by:



	By	Date		By	Date
Designed	JRL	2/14/2018	Checked	GJO	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

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
CLEAR ZONE IMPROVEMENTS



ROUTE 126 MAINTENANCE OF TRAFFIC

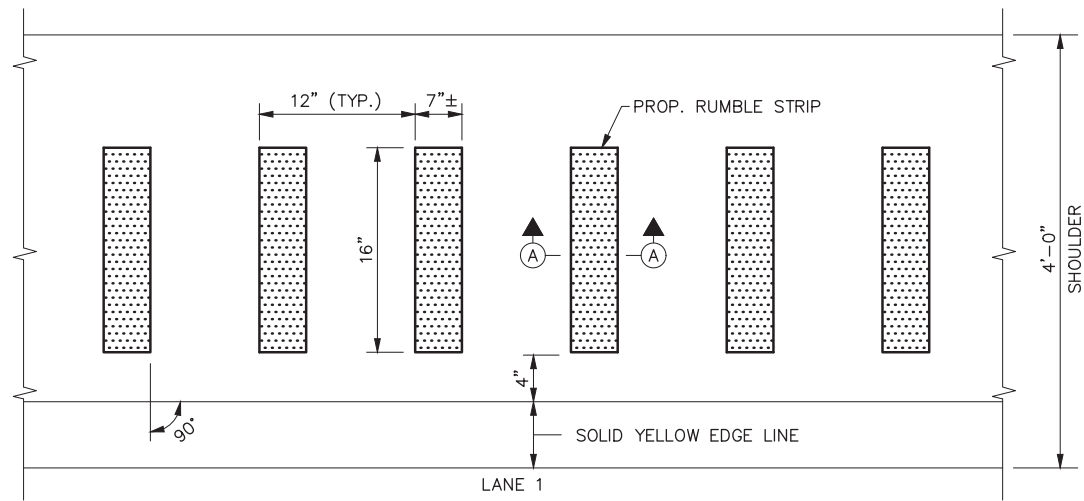
SHEET NUMBER: P-4

CONTRACT: 2018.01

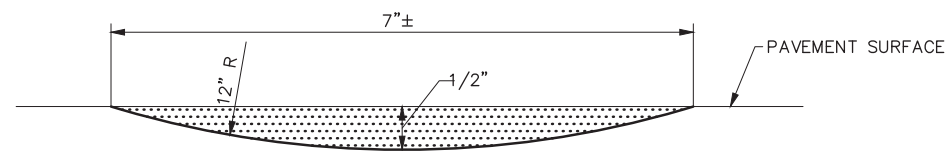
7 of 25

Location	ITEM NAME	RDWY	12" CULVERT PIPE OPTION III	18" CULVERT PIPE OPTION III	24" CULVERT PIPE OPTION III	42" CULVERT PIPE OPTION III	CONCRETE COLLAR	12" RCP Class III	REBUILD CATCH BASIN TO GRADE - TYPE II				DELINEATOR POST-REMOVE AND RESET	PLAIN RIPRAP	EROSION CONTROL BLANKET	LOAM	SEEDING METHOD II	GEOTEXTILE DRAINAGE FABRIC	BALED HAY IN PLACE	30 inch TEMP. SILT FENCE	CATCH BASIN OUTLETS ON RDWY SLOPE	REMARKS
	Item No.		603.159	603.179	603.199	603.229	603.280	603.155	604.184				606.354	610.08	613.319	615.07	618.1401	620.58	656.50	656.632		
	Unit		LF	LF	LF	LF	EA	LF	LF	EA	EA	EA	EA	CY	SY	CY	UNIT	SY	EA	LF		
	Station							0 - 9' Lt.	0-9' Rt.	45' Lt.	9' Lt.	9' Rt.	45' Rt.									
	5198+00	NB			20.0		1							1	5.0						30	
	5198+00	SB			20.0		1							1	5.0						30	
	5185+28	SB			20.0		1							1	5.0						30	
	TOTALS		0.0	0.0	60.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	15.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0

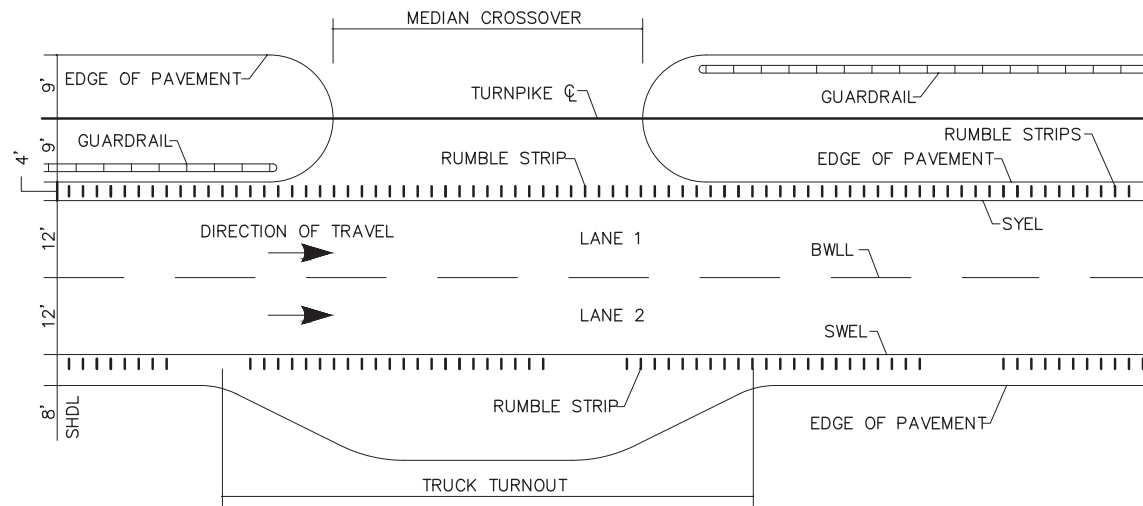
Scale: NOT TO SCALE		Designed by:				MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567				THE GOLD STAR MEMORIAL HIGHWAY		PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS DRAINAGE SUMMARY	
No.	Revision	By	Date										
				Designed	JRL 2/14/2018	Checked	GJO 2/14/2018						
				Drawn	BMB 2/14/2018	In Charge of	SRT 2/14/2018						
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.										CONTRACT: 2018.01		SHEET NUMBER: P-5	
												8 of 25	



PLAN VIEW - LANE 1
N.T.S.



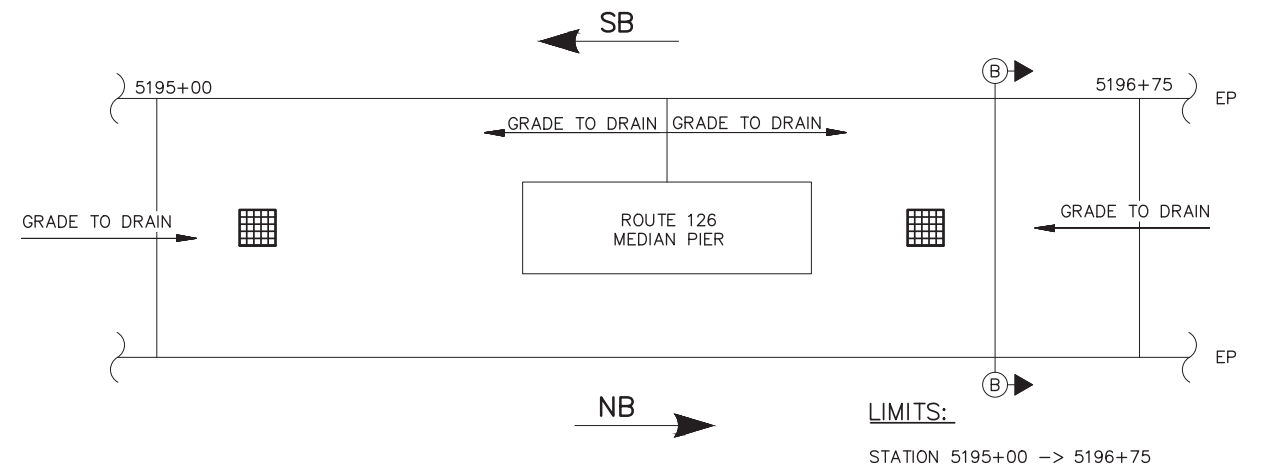
SECTION A-A
N.T.S.



**LOCATION OF RUMBLE STRIPS
CROSSOVERS & TRUCK TURNOUTS**
N.T.S.

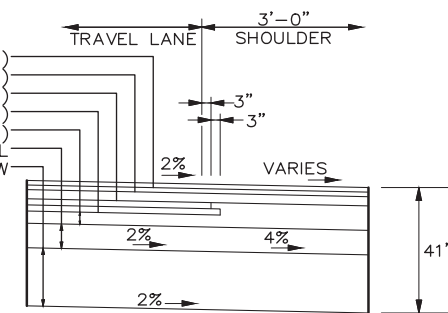
NOTES:

1. LANE 1 RUMBLE STRIPS NEEDED AT ALL MILL AND FILL LOCATIONS.



**NB SOUTH JOINT
COBBESSECONTEE BRIDGE
PLAN VIEW**
N.T.S.

- 1.5" HOT MIX ASPHALT GRADING 12.5mm (SURFACE-403.2081)
- 1.5" HOT MIX ASPHALT GRADING 12.5mm (BINDER-403.213)
- 2.5" HOT MIX ASPHALT GRADING 19.0mm (BASE-403.207)
- 4.5" (2 LIFTS) HOT MIX ASPHALT GRADING 19.0mm (403.207)
- 4" AGGREGATE BASE COURSE-CRUSHED (TYPE A)
- 8" AGGREGATE SUBBASE COURSE-GRAVEL
- 19" GRANULAR BORROW



DETAIL A
N.T.S.

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
	By	Date		By	Date
	JRL	2/14/2018	Checked	GJO	2/14/2018
	Drawn	BMB	In Charge of	SRT	2/14/2018

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

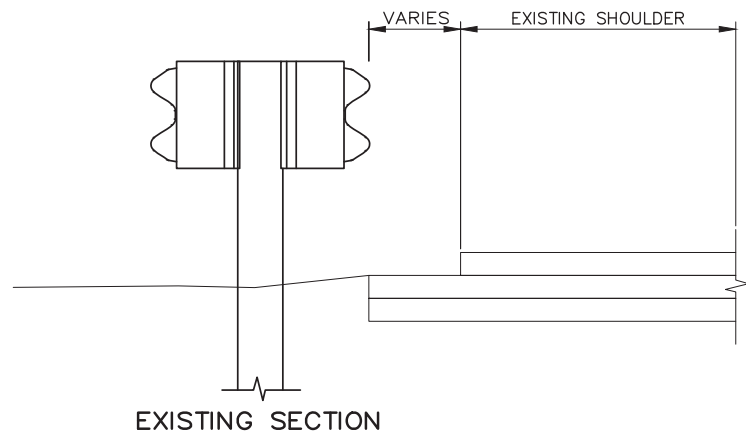
THE GOLD STAR MEMORIAL HIGHWAY

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

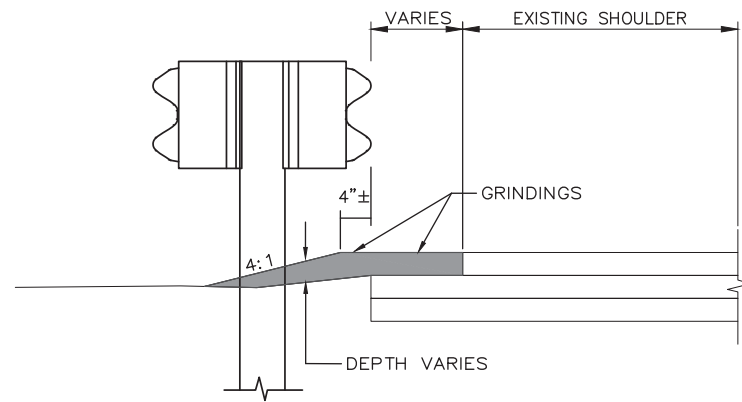
PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

RUMBLE STRIPS DETAILS/RTE 126

SHEET NUMBER: P-6
CONTRACT: 2018.01
9 of 25

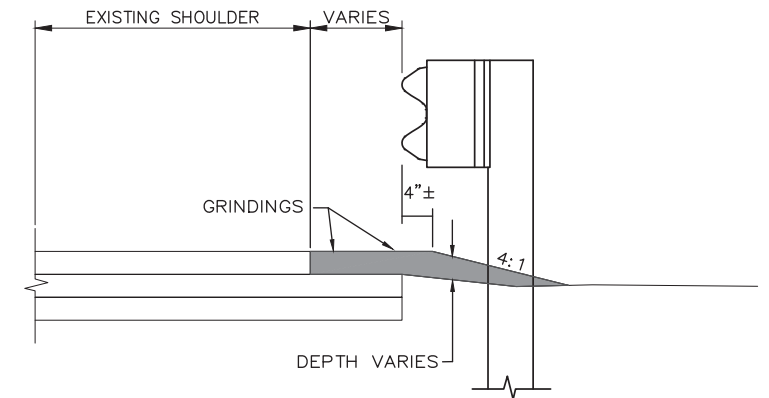


EXISTING SECTION

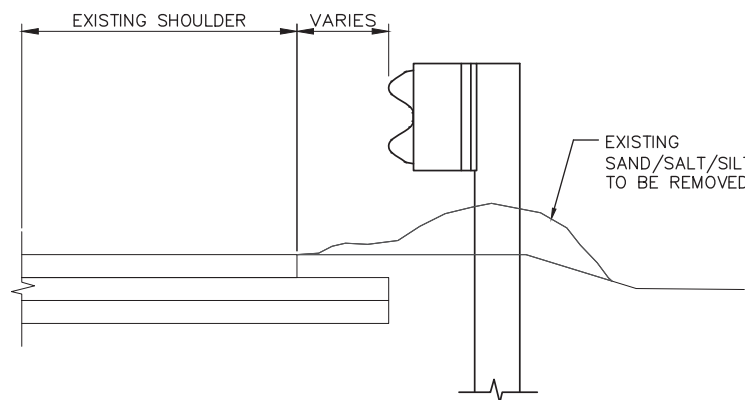


PROPOSED SECTION

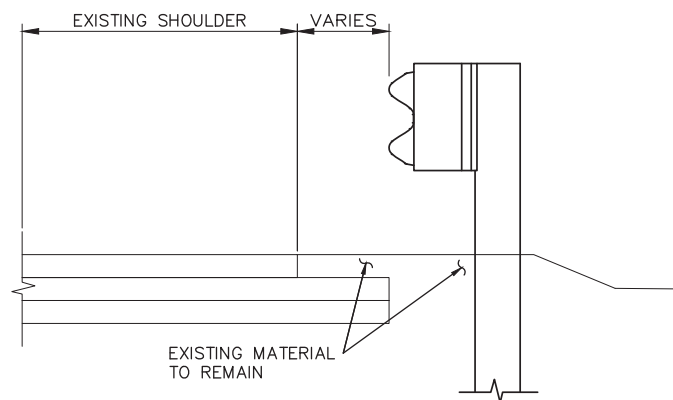
**BERM DROPOFF CORRECTION WITH GUARDRAIL
MEDIAN GUARDRAIL
NOT TO SCALE**



**BERM DROPOFF CORRECTION WITH GUARDRAIL
RIGHT OUTSIDE SHOULDER
NOT TO SCALE**

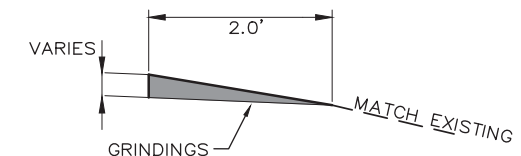


EXISTING SECTION

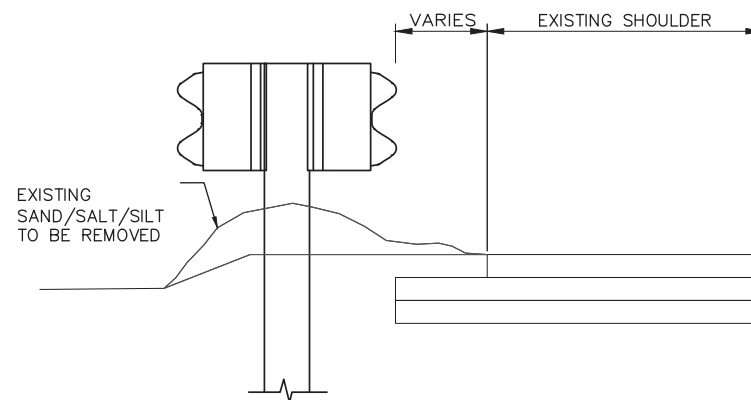


PROPOSED SECTION

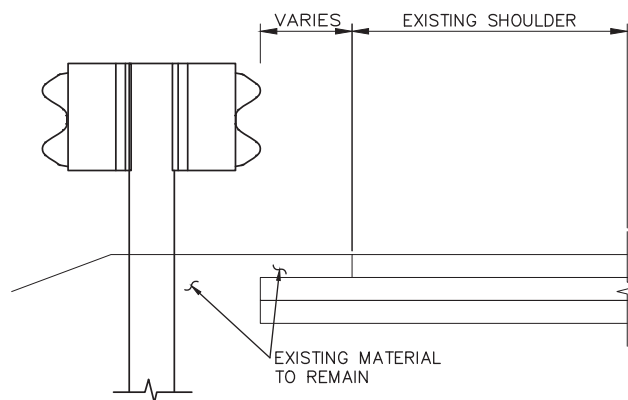
**BERM CORRECTION WITH GUARDRAIL
RIGHT OUTSIDE SHOULDER
NOT TO SCALE**



**DETAIL A
(WITHOUT GUARDRAIL)**



EXISTING SECTION



PROPOSED SECTION

**BERM CORRECTION WITH GUARDRAIL
MEDIAN GUARDRAIL
NOT TO SCALE**

BERM CORRECTION LOCATIONS:

- SB
STA. 5210+00 -> 5195+00 BOTH SHOULDERS:
1500 x 2 = 3,000 L.F.
- STA. 5173+50 -> 5172+50 RIGHT
= 100 L.F.
- STA. 5105+00 -> 5104+00 RIGHT
= 100 L.F.

NOTES:

1. BERM DROPOFF CORRECTION WILL BE PLACED AT ALL LOCATIONS EXCEPT WHERE THE BERM CORRECTION WORK OCCURS
2. LEFT AND RIGHT ARE SPECIFIC TO WHETHER TRAVELING NB OR SB.
3. BERM CORRECTION NEEDS TO BE COMPLETED PRIOR TO MILLING UNLESS THE HIGH EXISTING SECTIONS ARE OPENED FOR DRAINAGE PATHS.

Scale: NOT TO SCALE			
No.	Revision	By	Date

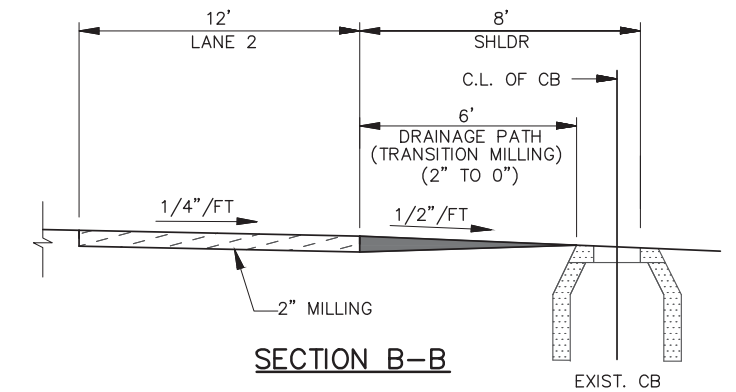
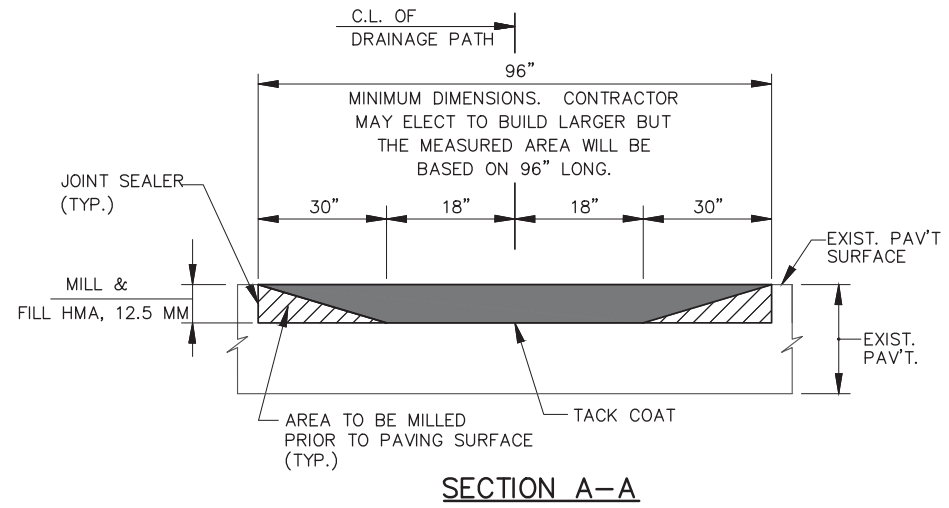
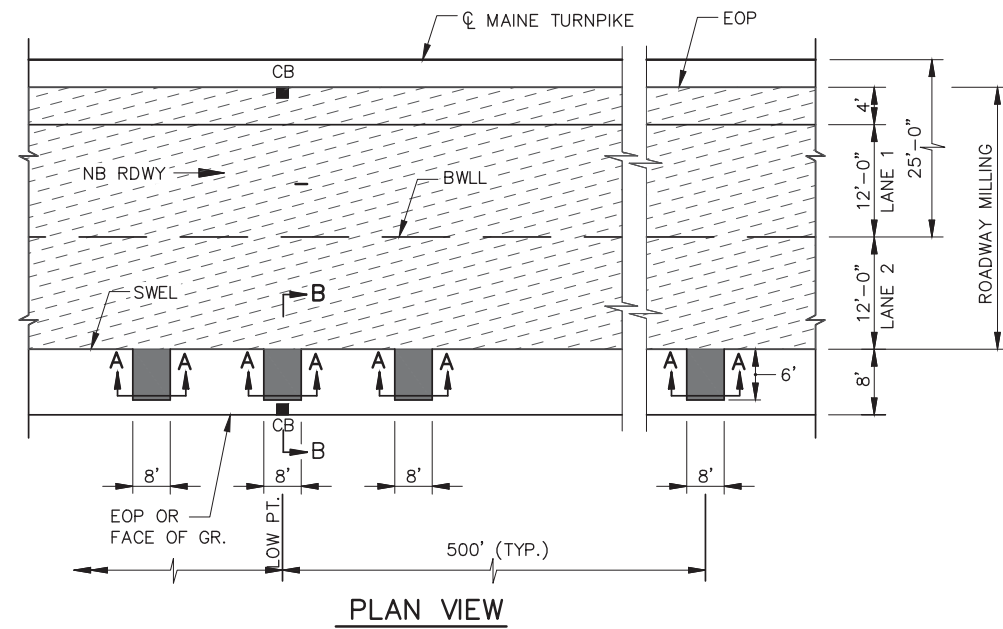
Designed by:					
	By	Date		By	Date
	JRL	2/14/2018	Checked	GJO	2/14/2018
	Drawn	BMB	2/14/2018	In Charge of	SRT

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

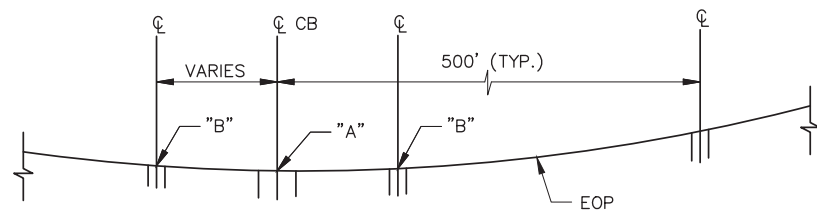
**THE GOLD STAR
MEMORIAL HIGHWAY**

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

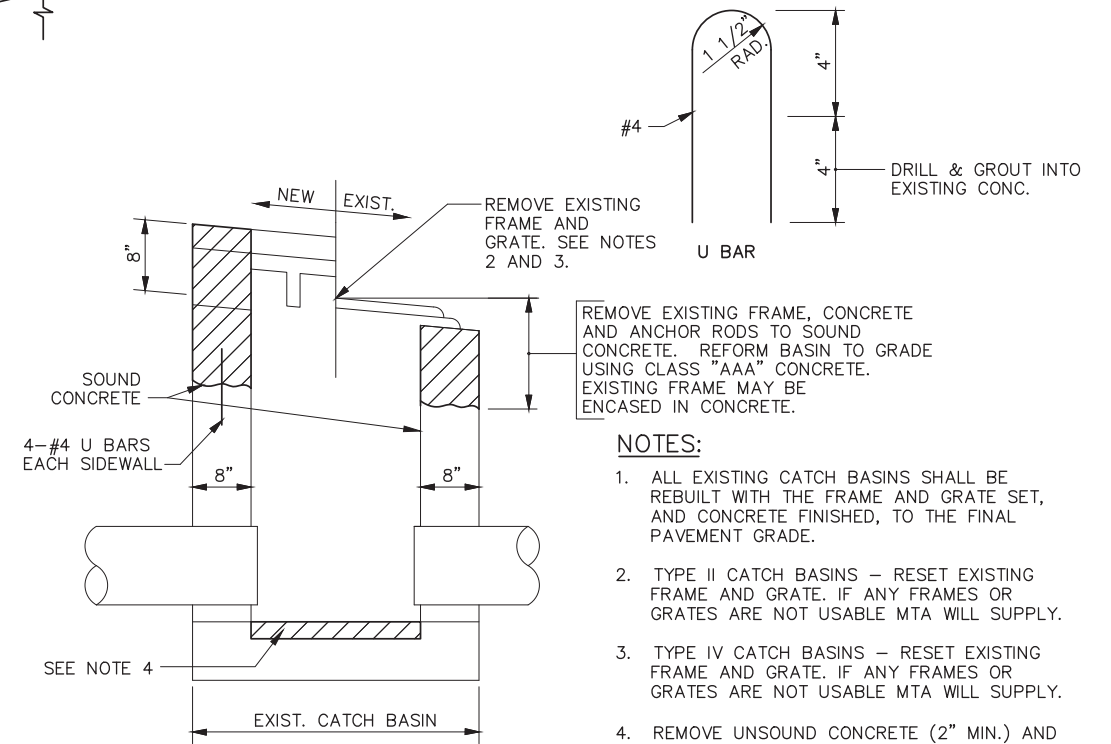
PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS	
BERM DETAILS	
SHEET NUMBER: P-7	CONTRACT: 2018.01
10 of 25	



NOTES:
 1. THE CATCH BASINS IN THE FOUR FOOT MEDIAN SHOULDERS SHALL HAVE A TEN FOOT TEMPORARY BITUMINOUS RAMP ON BOTH SIDES PARALLEL WITH THE MAINE TURNPIKE AND SHALL BE INCIDENTAL TO HOT MIX ASPHALT 12.5mm.



DRAINAGE PATH DETAILS

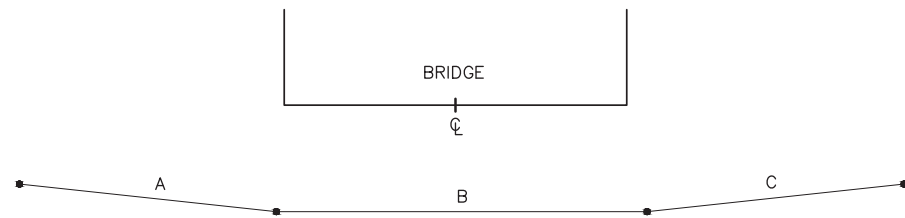


NOTES:
 1. ALL EXISTING CATCH BASINS SHALL BE REBUILT WITH THE FRAME AND GRATE SET, AND CONCRETE FINISHED, TO THE FINAL PAVEMENT GRADE.
 2. TYPE II CATCH BASINS - RESET EXISTING FRAME AND GRATE. IF ANY FRAMES OR GRATES ARE NOT USABLE MTA WILL SUPPLY.
 3. TYPE IV CATCH BASINS - RESET EXISTING FRAME AND GRATE. IF ANY FRAMES OR GRATES ARE NOT USABLE MTA WILL SUPPLY.
 4. REMOVE UNSOUND CONCRETE (2" MIN.) AND REPLACE WITH NEW CONCRETE IF DIRECTED BY THE RESIDENT.

REBUILD CATCH BASIN TO GRADE - TYPE II
 N.T.S.

LEGEND
 = DRAINAGE PATH MILLING
 = ROADWAY MILLING

NOTES:
 1. POINT "B" IS 1" HIGHER THAN POINT "A".
 2. DRAINAGE PATH REQUIRED AT ALL LOW POINTS.
 3. MEDIAN LOW POINTS JUST INSIDE THE FOUR FOOT SHOULDER THAT IS MILL SHALL BE OPENED FOR WATER FLOW IF THE EXISTING MATERIAL IS HIGH. THIS SHALL BE INCIDENTAL TO MILLING.
 4. DRAINAGE PATHS SHALL BE PAVED BACK IN FLUSH WITH EXISTING PAVEMENT



MILLING TRANSITIONS AT BRIDGE UNDERPASSES					
			A	B	C
102 BRIDGE	MM 102	NB/SB	140'	70'	140'

NOTES:
 1. A FOUR INCH MILL AND TWO INCH FILL FULL WIDTH IS REQUIRED AT MM 102 BRIDGE.

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

	By	Date	By	Date	
Designed	JRL	2/14/2018	Checked	GJO	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

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



**THE GOLD STAR
 MEMORIAL HIGHWAY**

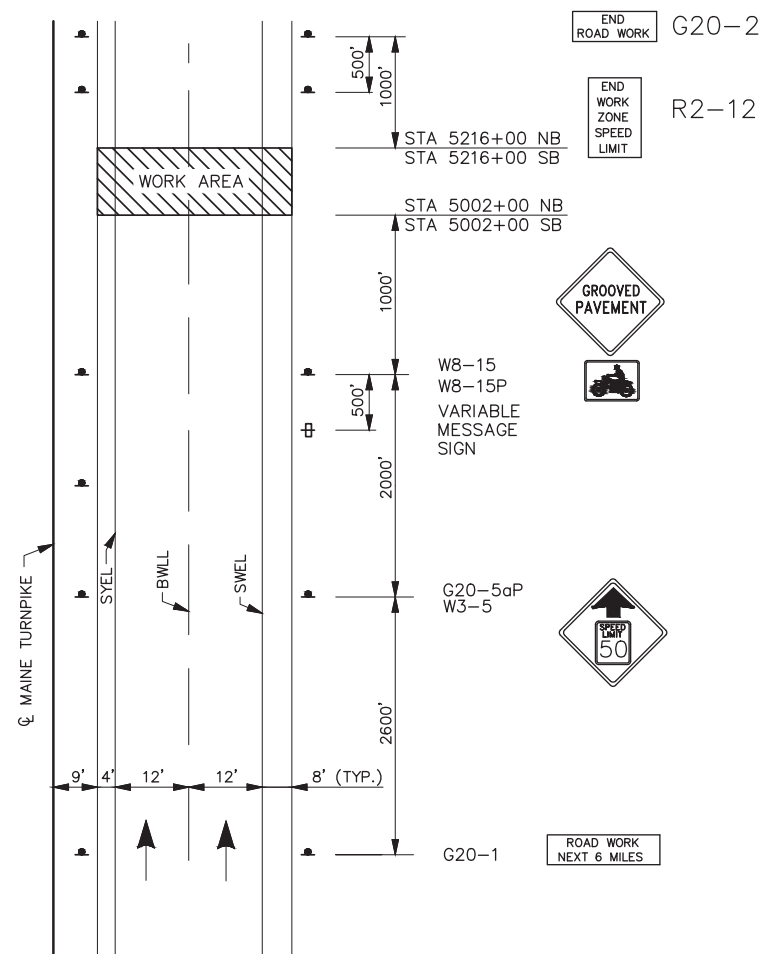
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
 CLEAR ZONE IMPROVEMENTS
 MISCELLANEOUS DETAILS

CONTRACT: 2018.01

SHEET NUMBER: P-8

11 of 25



**MAINLINE PAVING
ADVANCED PROJECT SIGNING**


NOTES:

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON NCHRP 350 APPROVED POSTS.
3. UNCOVER W8-15 AND W8-15P SIGNS WHEN PAVEMENT IS MILLED OR AS DIRECTED BY THE RESIDENT.
4. PROVIDE W8-15 AND W8-15P AT ALL MILLED LOCATIONS.

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

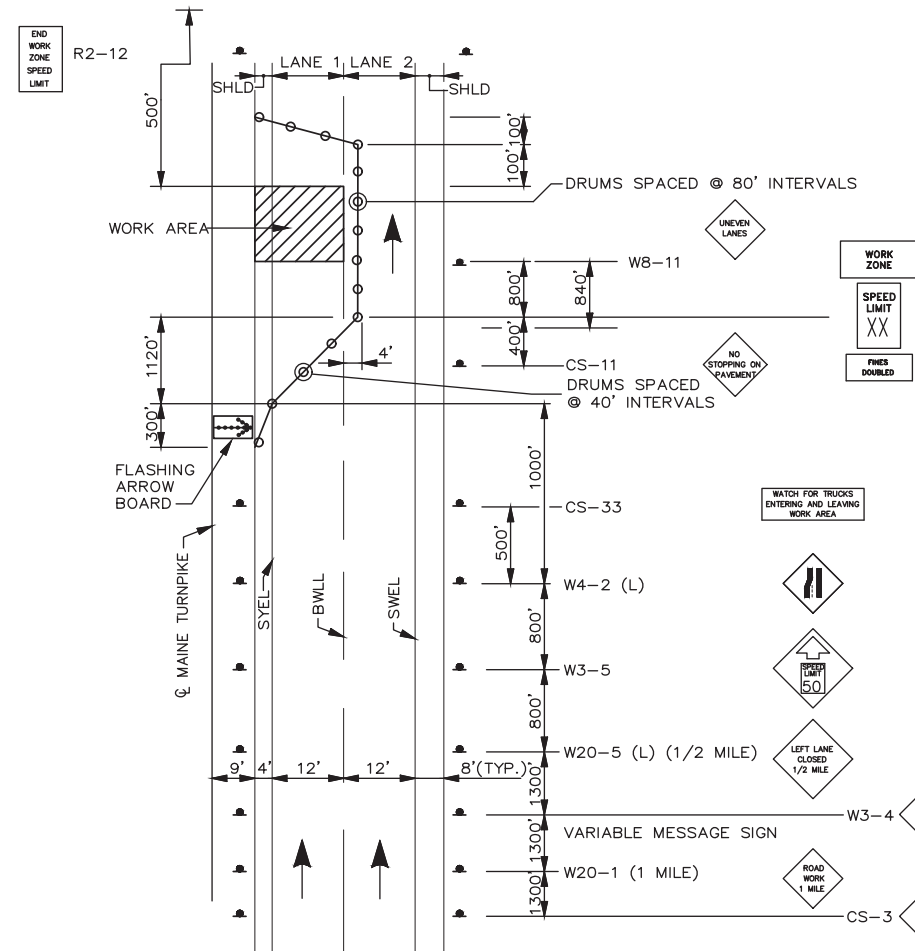
					
	By	Date		By	Date
Designed	JRL	2/14/2018	Checked	GJO	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

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

	<h2>THE GOLD STAR MEMORIAL HIGHWAY</h2>
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.	

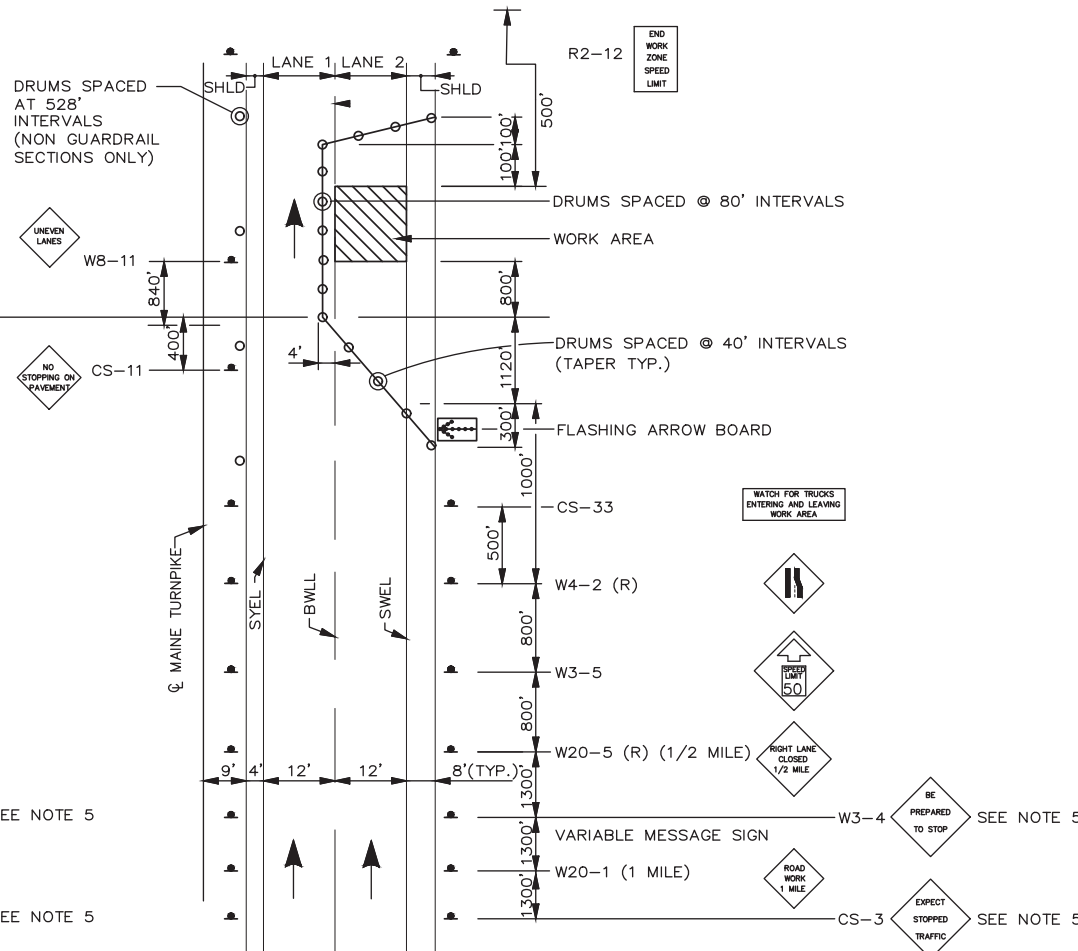
PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS TRAFFIC CONTROL DETAILS I	
SHEET NUMBER: T-1	
CONTRACT: 2018.01	12 of 25

SHIFT OFFSET	SPEED	TAPER LENGTH (MIN.)
12'	50	300'
12'	60	360'
12'	70	420'

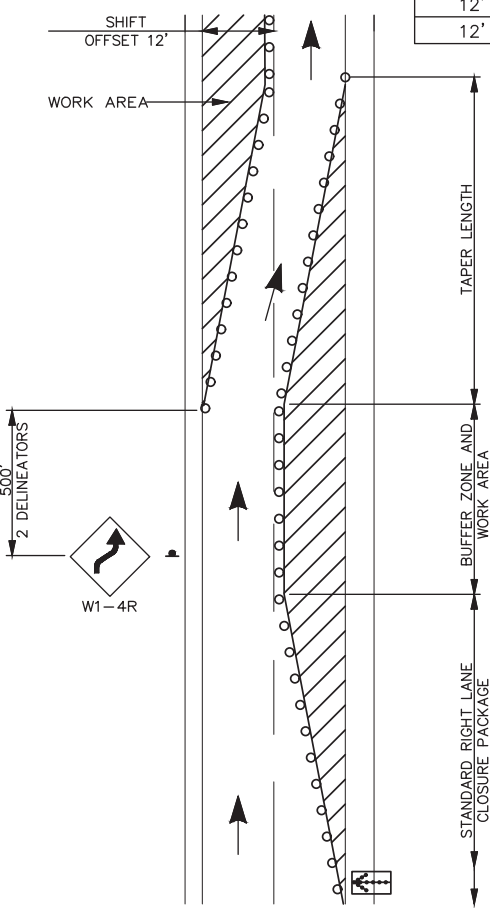


**LANE CLOSURE FOR MILLING AND PAVING OPERATIONS
LANE 1**

**LANE CLOSURE FOR PAVEMENT MARKINGS
LANE 1**



**LANE CLOSURE FOR MILLING AND PAVING OPERATIONS
LANE 2**



**SINGLE LANE CLOSURE
LANE SHIFT TO ADJACENT LANE**

NOTES:
 RIGHT LANE CLOSED SHIFTING TO LEFT LANE CLOSED SHOWN.
 LEFT LANE CLOSED SHIFTING TO RIGHT LANE CLOSED SIMILAR. USE W1-4L SIGN NOT W1-4R SIGN.

- NOTES:**
- FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
 - ALL TEMPORARY LANE CLOSURE SIGNS ARE TO BE MOUNTED ON EASELS.
 - STANDARD SINGLE LANE CLOSURES FOR LANES 1 AND 2 SHALL BE USED FOR DRAINAGE WORK, GUARDRAIL WORK, CLEAR ZONE IMPROVEMENTS, MEDIAN CROSSOVER WORK, EQUIPMENT MOVES, BERM DROP OFF CORRECTION WORK, PAINTING OF SOLID WHITE LANE LINES, AND ALL OTHER WORK NOT REQUIRING ENCROACHMENT INTO THE ADJACENT LANE.
 - SEE SHEET T-3 FOR STANDARD SINGLE LANE CLOSURE DETAILS.
 - ERECT CS-3 AND W3-4 SIGNS IMMEDIATELY PRIOR TO SCHEDULED STOPPAGES FOR EQUIPMENT MOVES AND REMOVE THE CS-3 AND W3-4 SIGNS IMMEDIATELY AFTER THE SCHEDULED STOPPAGES ARE COMPLETE.

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

	By	Date	By	Date
	JRL	2/14/2018	GJO	2/14/2018
	Checked	In Charge of	By	Date
	BMB	SRT	BMB	2/14/2018

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.

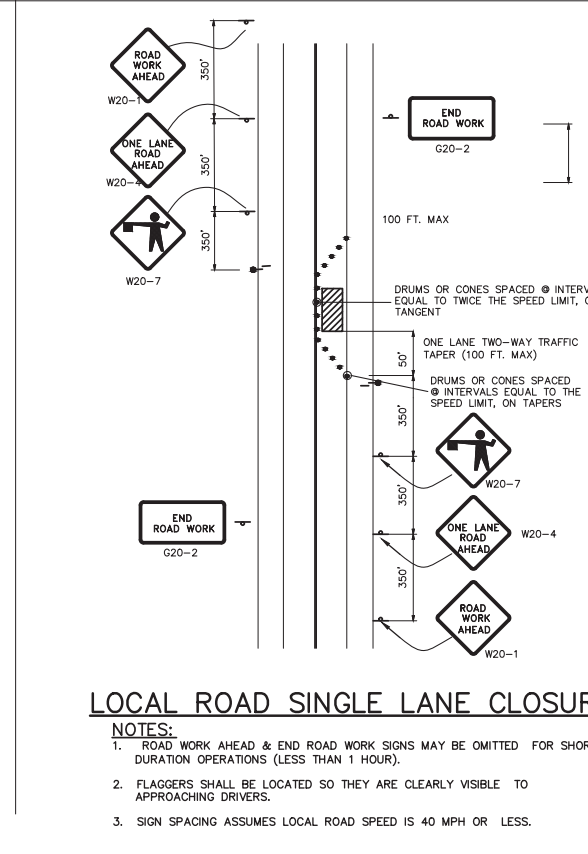
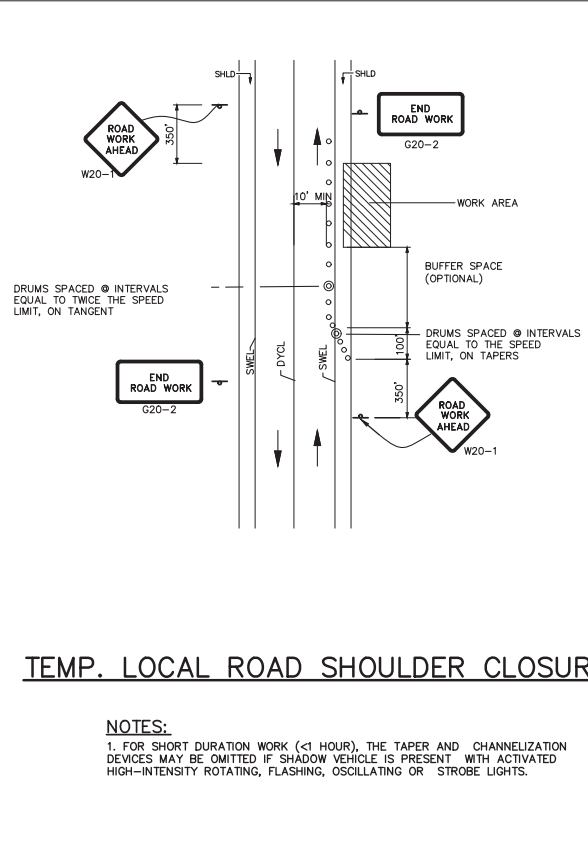
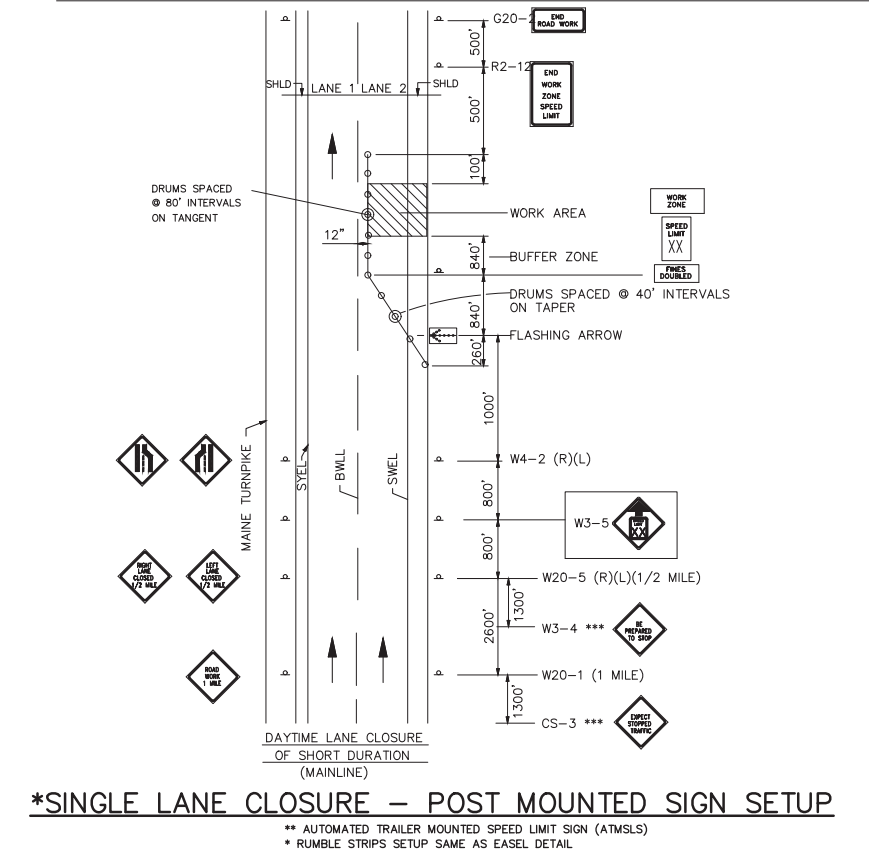
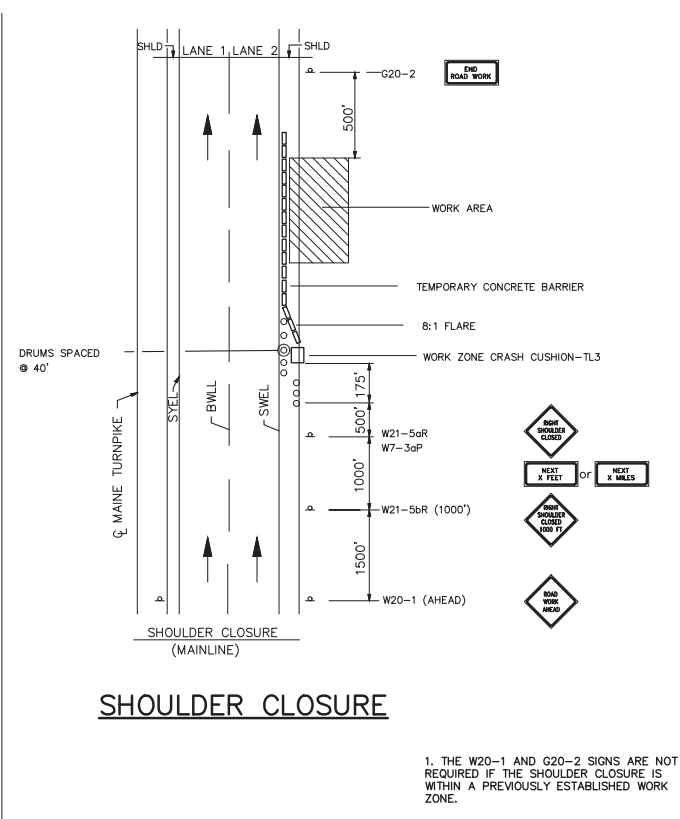
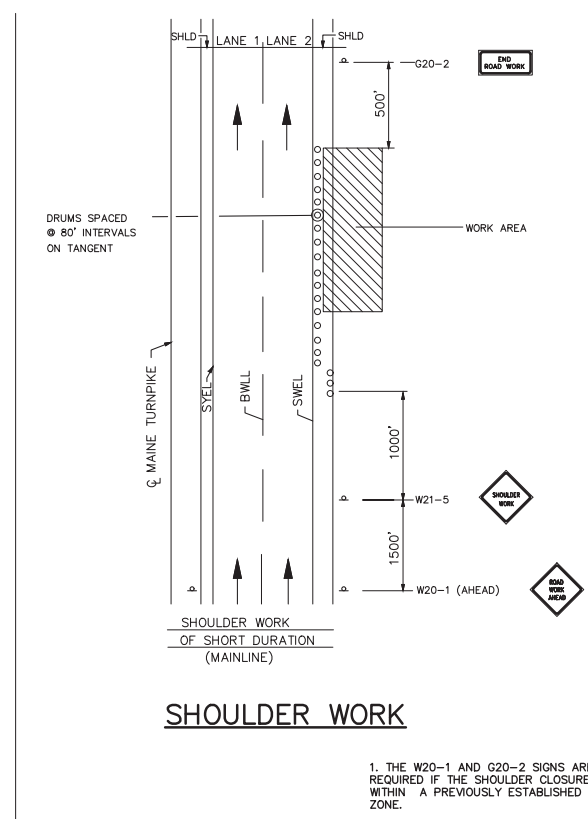
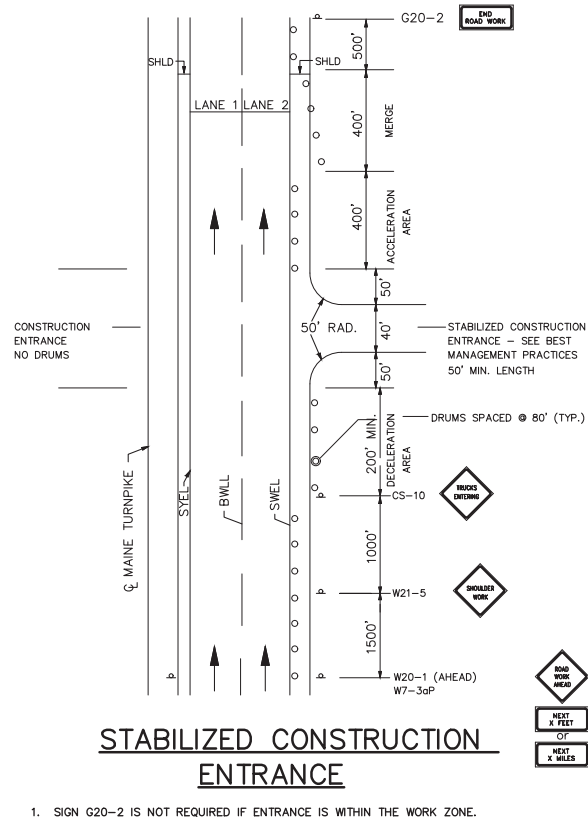
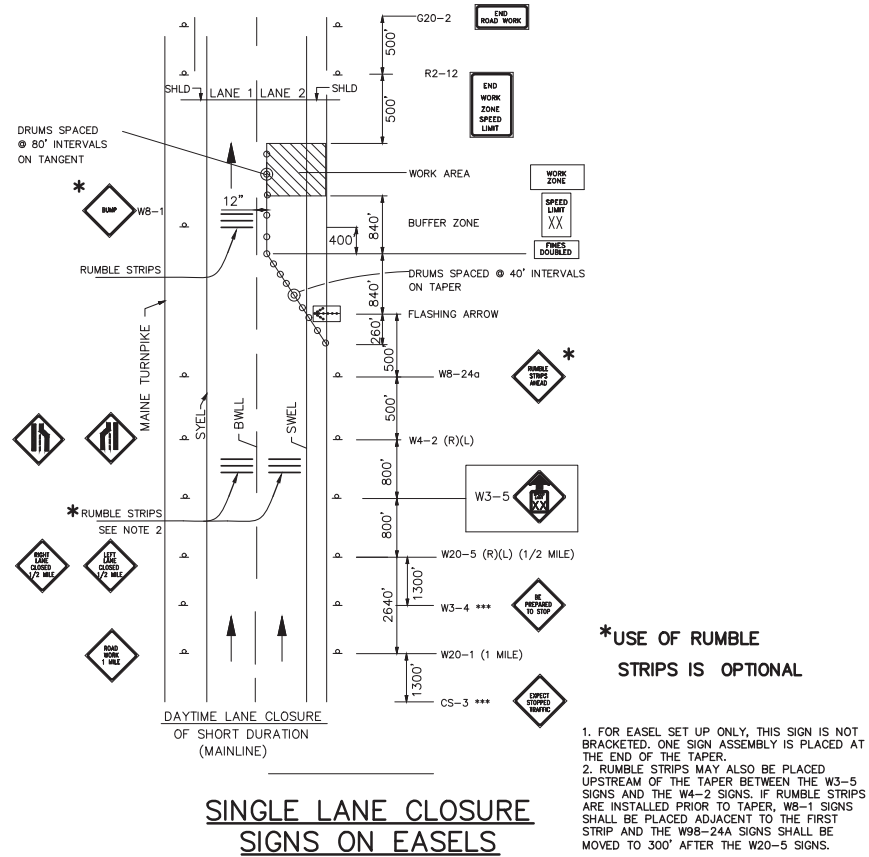
PAVEMENT REHABILITATION
 CLEAR ZONE IMPROVEMENTS

TRAFFIC CONTROL
 DETAILS II

SHEET NUMBER: T-2

CONTRACT: 2018.01

13 of 25



GENERAL MAINTENANCE OF TRAFFIC NOTES:

- ALL WORK TO CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES 2014, EXCEPT AS MODIFIED BY THE MAINE TURNPIKE AUTHORITY'S GENERAL AND SPECIAL PROVISIONS.
- ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", U.S.D.O.T., F.H.W.A., LATEST EDITION. NOTE THERE IS A 2009 EDITION OF MUTCD.
- THESE PLANS SHOW THE GENERAL CONDITION FOR TURNPIKE MAINLINE TRAFFIC CONTROL DURING CONSTRUCTION. SLIGHT MODIFICATIONS IN CONSTRUCTION PROCEDURE MAY OCCUR AND MAY REQUIRE SOME MINOR ADJUSTMENTS TO BE MADE IN THE FIELD, ALL PROCEDURES MUST BE APPROVED BY THE RESIDENT.
- THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND MUTCD. PAYMENT SHALL BE MADE UNDER ITEM 627.77 - REMOVING PAVEMENT MARKINGS.
- EXPOSED BARRIER ENDS SHALL BE PROTECTED BY A WORK ZONE CRASH CUSHION. PAYMENT WILL BE UNDER ITEM 527.341 - WORK ZONE CRASH CUSHION - TL-3.

ABBREVIATIONS FOR ALL M.O.T. PLANS

BWLL = BROKEN WHITE LANE LINE
 SWEL = SOLID WHITE EDGE LINE
 SYEL = SOLID YELLOW EDGE LINE
 TBWLL = TEMPORARY BROKEN WHITE LANE LINE
 TSWEL = TEMPORARY SOLID WHITE EDGE LINE
 TSYEL = TEMPORARY SOLID YELLOW EDGE LINE

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

By	Date	By	Date
Designed	JRL 2/14/2018	Checked	GJO 2/14/2018
Drawn	BMB 2/14/2018	In Charge of	SRT 2/14/2018

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

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

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

PAVEMENT REHABILITATION
 CLEAR ZONE IMPROVEMENTS

TRAFFIC CONTROL
 DETAILS III

SHEET NUMBER: T-3

CONTRACT: 2018.01

14 of 25

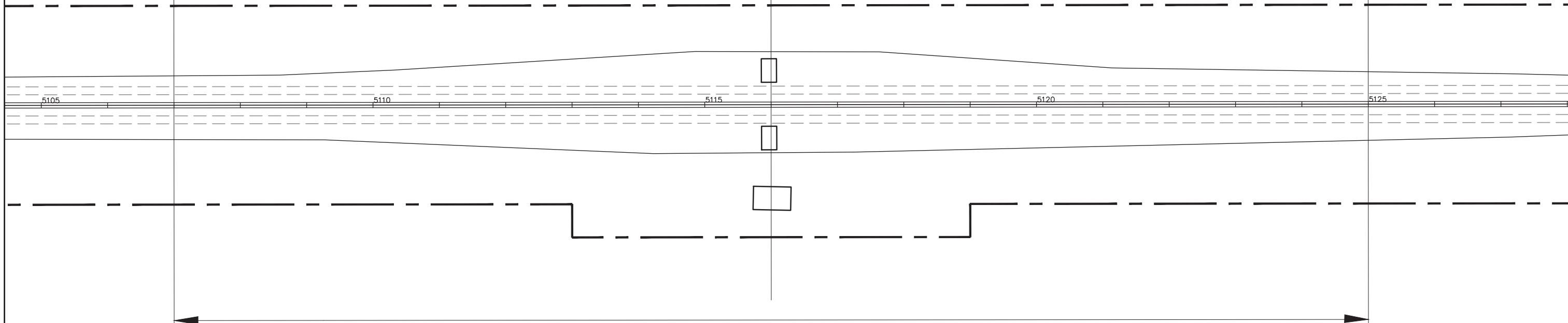


NO PAVING WORK – SB

5116+00

* 5107+00 MATCH LINE
SOUTHBOUND

* 5125+00 MATCH LINE



NO PAVING WORK – NB

WEST GARDINER BARRIER TOLL PLAN
N.T.S.

Scale:
NOT TO SCALE

Designed by:



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



**THE GOLD STAR
MEMORIAL HIGHWAY**

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS
WEST GARDINER BARRIER TOLL

No.	Revision	By	Date

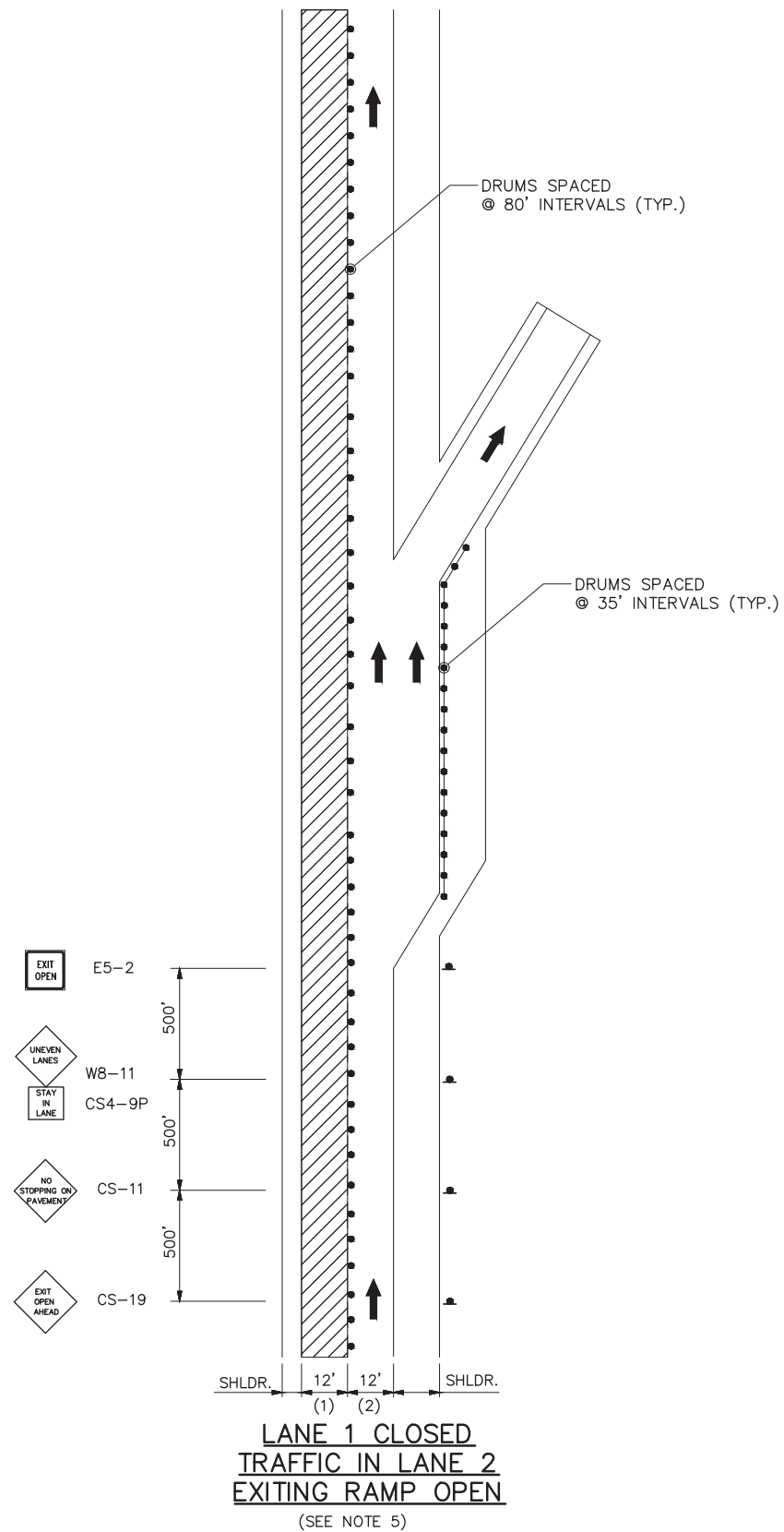
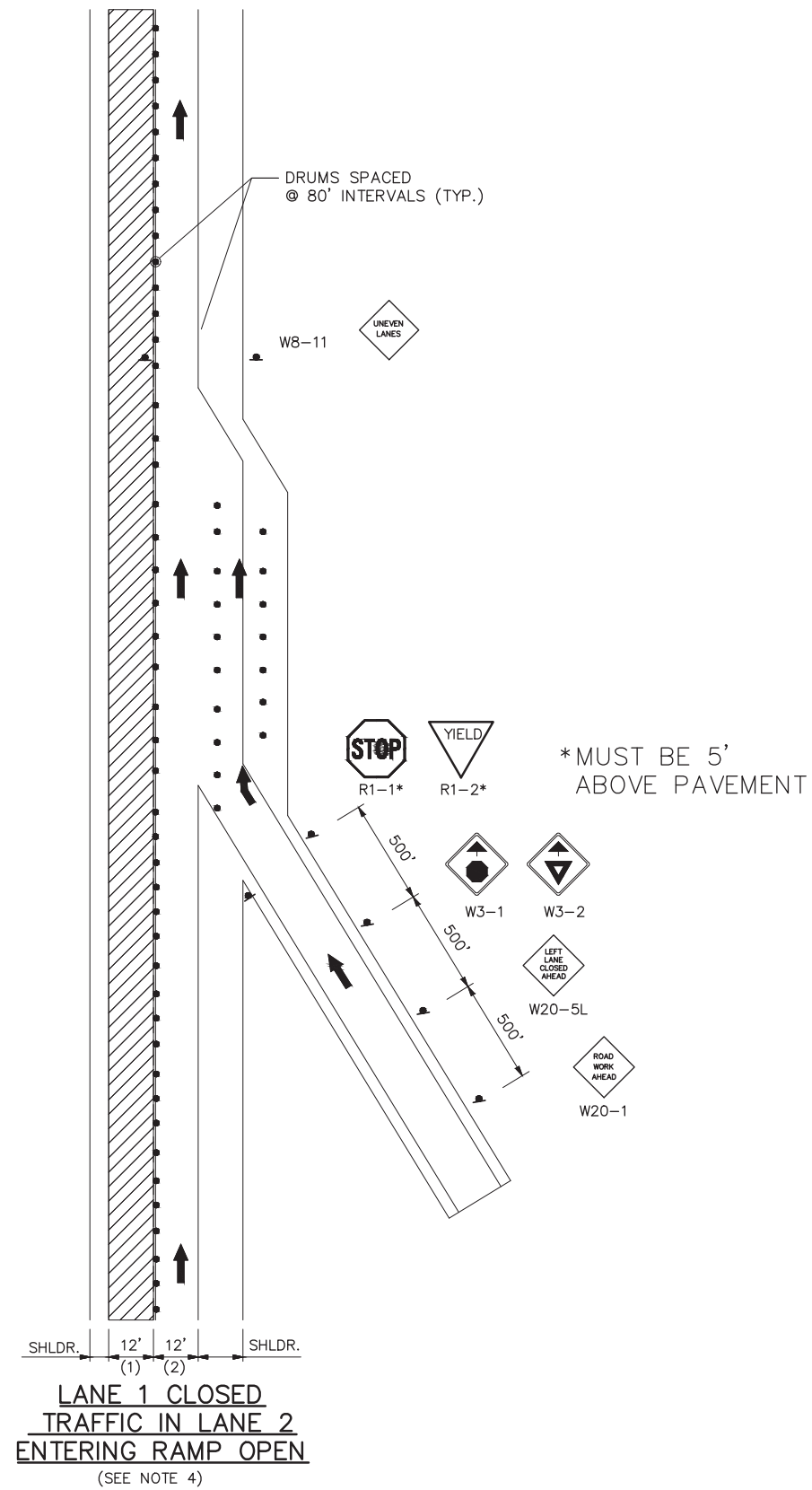
	By	Date	By	Date	
Designed	JRL	1/8/2018	Checked	GJO	1/8/2018
Drawn	BMB	1/8/2018	In Charge of	SRT	1/8/2018

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

CONTRACT: 2018.01

SHEET NUMBER: T-4

15 OF 25



LEGEND

- = WORK AREA
- = CONSTRUCTION SIGN
- = DRUM
- = PORTABLE - CHANGEABLE MESSAGE SIGN

NOTES:

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON EASELS.
3. LANE CLOSURES AT ENTRANCE AND EXIT RAMP MAY BE COMBINED IF APPROVED BY THE RESIDENT.
4. WITH LANE 1 CLOSED, AND LANE 2 AND ENTERING RAMP OPEN, USE THIS DETAIL WITH YIELD SIGN.
5. WITH LANE 1 CLOSED, AND LANE 2 AND EXITING RAMP OPEN, USE THIS DETAIL.

Scale: NOT TO SCALE

No.	Revision	By	Date

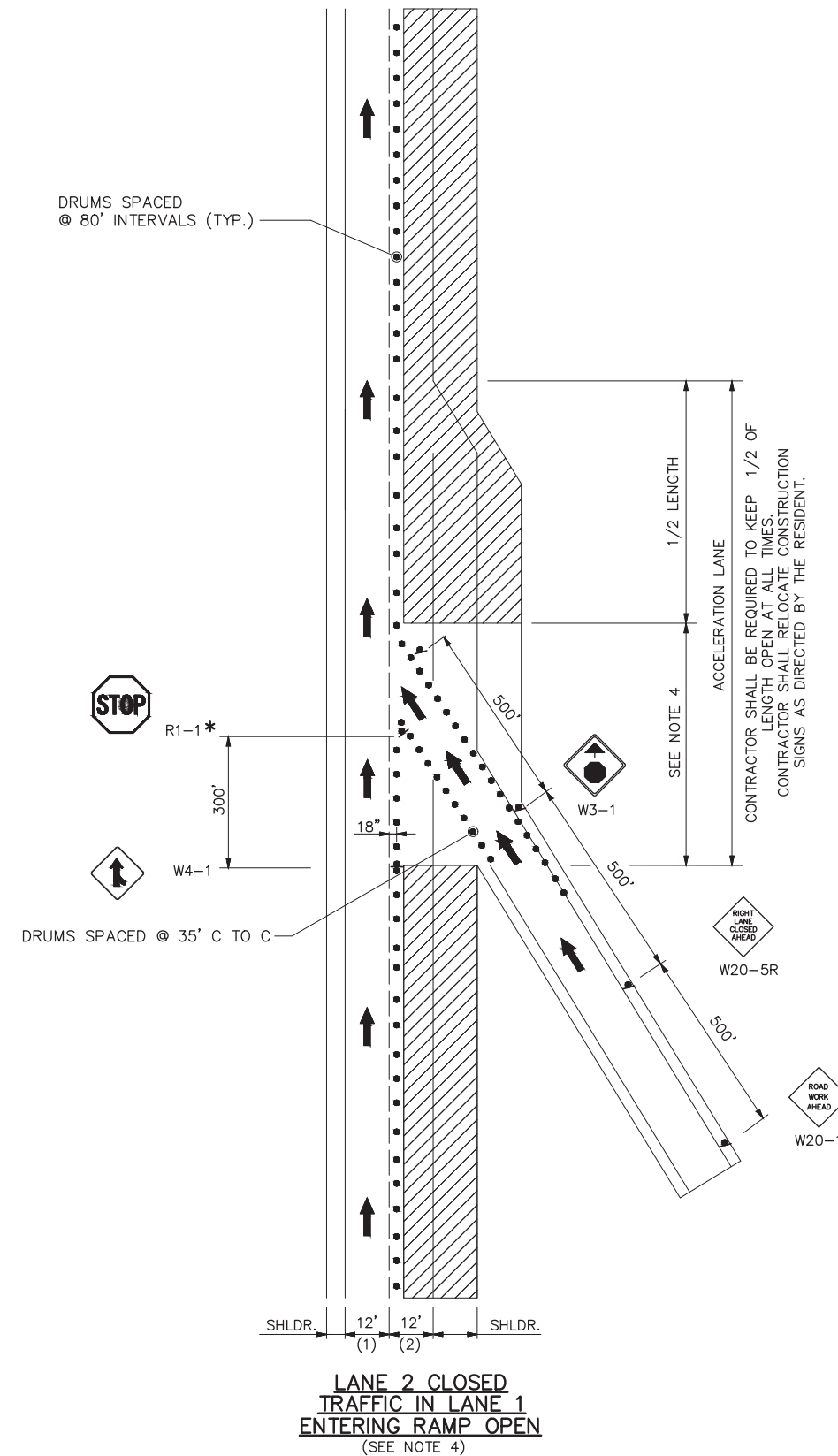
Designed by:

	By	Date		By	Date
Designed	BAT	2/14/2018	Checked	BAT	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

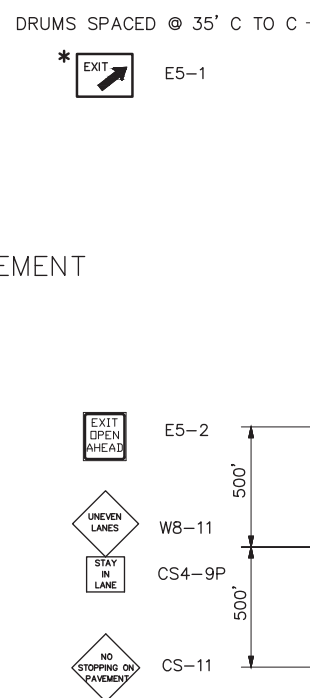
MAINE TURNPIKE AUTHORITY
 2360 Congress Street
 Portland, ME 04102
 TEL (207) 871-7771
 FAX (207) 879-5567

THE GOLD STAR MEMORIAL HIGHWAY

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



* MUST BE 5' ABOVE PAVEMENT



LEGEND

- = WORK AREA
- = CONSTRUCTION SIGN
- = DRUM
- = PORTABLE - CHANGEABLE MESSAGE SIGN


NOTES:

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON EASELS.
3. LANE CLOSURES AT ENTRANCE AND EXIT RAMP MAY BE COMBINED IF APPROVED BY THE RESIDENT.
4. WITH LANE 2 CLOSED, AND LANE 1 AND ENTERING RAMP OPEN, USE THIS DETAIL WITH STOP SIGN.
5. WITH LANE 2 CLOSED, AND LANE 1 AND EXITING RAMP OPEN, USE THIS DETAIL.

Scale: NOT TO SCALE


No.	Revision	By	Date

Designed by:



	By	Date	Checked	By	Date
Designed	BAT	2/14/2018		BAT	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

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.

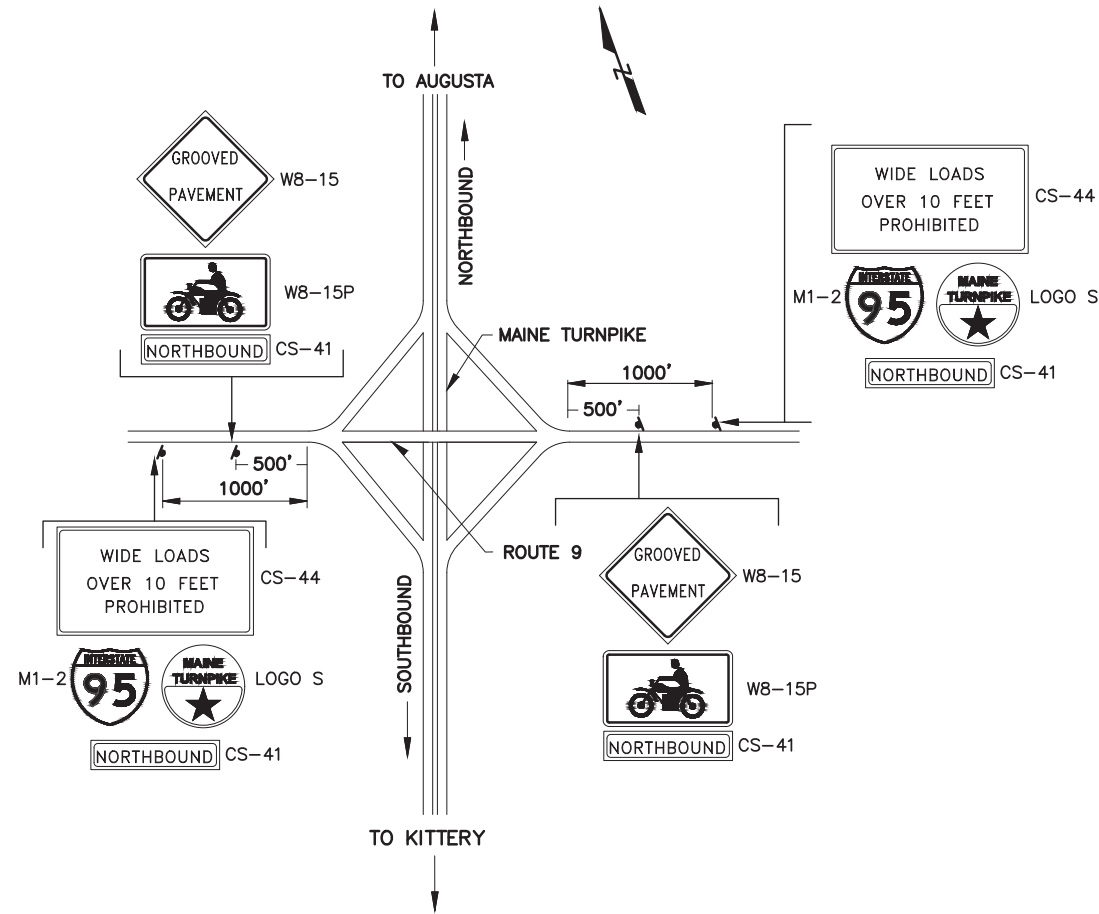
PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

MAINTENANCE OF TRAFFIC II

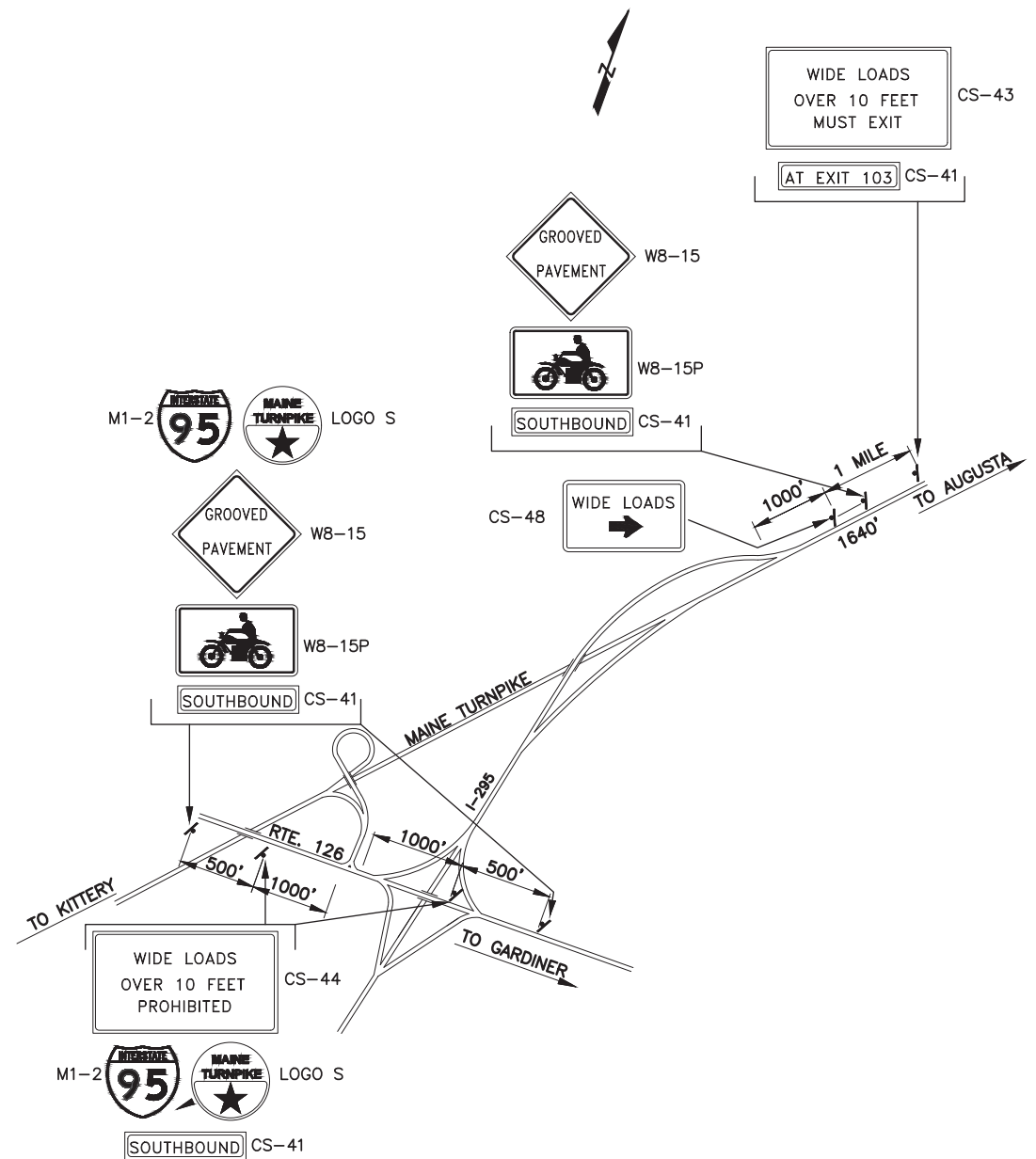
SHEET NUMBER: T-6

CONTRACT: 2018.01

17 of 25



INTERCHANGE 86 SABATTUS
N.T.S.



**INTERCHANGE 102 & 103
WEST GARDINER**
N.T.S.

GENERAL MAINTENANCE OF TRAFFIC NOTES:

1. ALL WORK TO CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES 2014 EDITION, EXCEPT AS MODIFIED BY THE MAINE TURNPIKE AUTHORITY'S GENERAL AND SPECIAL PROVISIONS.
2. ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", U.S.D.O.T., F.H.W.A., LATEST EDITION.
3. THESE PLANS SHOW THE GENERAL CONDITION FOR TURNPIKE MAINLINE TRAFFIC CONTROL. DURING CONSTRUCTION, SLIGHT MODIFICATIONS IN CONSTRUCTION PROCEDURE MAY OCCUR AND MAY REQUIRE SOME MINOR ADJUSTMENTS TO BE MADE IN THE FIELD, ALL PROCEDURES MUST BE APPROVED BY THE RESIDENT.
4. TEMPORARY PAVEMENT MARKINGS SHALL BE PAINTED, UNLESS OTHERWISE NOTED. PAYMENT FOR MARKINGS SHALL BE UNDER ITEM 627.761 - TEMPORARY PAVEMENT MARKING LINE, YELLOW OR WHITE.

**ADVANCED SIGNING LOCATIONS
FOR OVERSIZED LOAD RESTRICTIONS
AND MILLING AND PAVING OPERATIONS**

NOTE:

1. ALL SIGNS TO BE MOUNTED ON NCHRP 350 APPROVED POSTS UNLESS BEHIND GUARDRAIL

Scale: NOT TO SCALE		Designed by: 		MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567		THE GOLD STAR MEMORIAL HIGHWAY		PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS MAINTENANCE OF TRAFFIC III	
No.	Revision	By	Date	By	Date				
				Designed	BAT 2/14/2018	Checked	BAT 2/14/2018		
				Drawn	BMB 2/14/2018	In Charge of	SRT 2/14/2018		
				MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.		CONTRACT: 2018.01		SHEET NUMBER: T-7	
								18 of 25	

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
G20-1	48"	24"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			4	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			8.00 (32)
G20-2	48"	24"					4				8.00 (32)
G20-5aP	48"	24"					4				8.00 (32)
R2-1 (50)	48"	60"					4				20.00 (80)
R2-6aP	48"	24"		6"	4.5"		4				8.00 (32)
R1-1	48"	48"					2	RED	WHITE		16.00 (32)
R1-2	60"	60"					2	WHITE	RED		12.50 (25)
R2-12	36"	54"		6"	4.5"		12				13.50 (162)
E5-1	72"	60"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			2	GREEN	WHITE		30.00 (60)
CS5-2	60"	48"					4	ORANGE	BLACK		20.00 (160)
CS5-2 (AHEAD)	60"	48"					4	ORANGE	BLACK		20.00 (160)
W1-4L	48"	48"					1				16.00 (16)
CS-38	48"	48"					2	ORANGE	BLACK		16.00 (32)

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
W1-4R	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			1	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			16.00 (16)
CS-48	60"	36"		8" D		9"x36" @ 0"	2	ORANGE	BLACK		15.00 (30)
CS-45	96"	48"		8" C	6"		2	ORANGE	BLACK		32.00 (64)
CS-45	96"	48"		8" C	6"		4	ORANGE	BLACK		32.00 (128)
W3-1	48"	48"					4	ORANGE	BLACK		16.00 (64)
W3-2a	48"	48"					4	ORANGE	BLACK		16.00 (64)
W3-4	48"	48"					8				16.00 (128)
W3-5 (50)	48"	48"					8				16.00 (128)
W4-2L	48"	48"					8				16.00 (128)
W4-2R	48"	48"					8				16.00 (128)
W5-4	48"	48"					4				16.00 (64)

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

		By	Date	By	Date
		BAT	2/14/2018	BAT	2/14/2018
Designed	BMB	2/14/2018	Checked	SRT	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

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



THE GOLD STAR MEMORIAL HIGHWAY







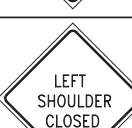

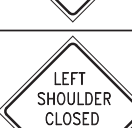
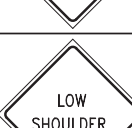
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.



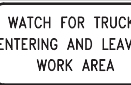
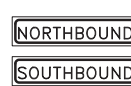







PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS

SIGN SUMMARY I

CONTRACT: 2018.01

SHEET NUMBER: T-8


IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
W8-15	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			16	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			16.00 (256)
W8-15P	30"	24"					16				5.00 (80)
W20-1 (1 MILE) (AHEAD)	48"	48"					8 4				16.00 (128) (64)
W20-5L (1/2 MILE) (AHEAD)	48"	48"					8 4				16.00 (128) (64)
W20-5R (1/2 MILE) (AHEAD)	48"	48"					8 4				16.00 (128) (64)
W21-5aR	48"	48"					2				16.00 (32)
W21-5aL	48"	48"					2				16.00 (32)
W21-5bR (1000 FT)	48"	48"					2				16.00 (32)
W21-5bL (1000 FT)	48"	48"					2				16.00 (32)
W8-9	48"	48"					8				16.00 (128)

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
CS-3	48"	48"		6" 6" 6"	4" 4"		8	ORANGE	BLACK		16.00 (128)
CS-11	48"	48"		6" 6" 6"	4" 4"		5	ORANGE	BLACK		16.00 (80)
CS-33	96"	36"		6" 6" 6"	4" 4"		4	ORANGE	BLACK		24.00 (96)
CS-52	96"	18"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			5 3	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			12.00 (60) 12.00 (36)
CS-53R	48"	48"					6				16.00 (96)
CS4-9P	36"	48"					12	ORANGE	BLACK		12.00 (144)
W4-1	48"	48"					1	ORANGE	BLACK		16.00 (16)
CS	96"	18"					2	ORANGE	BLACK		12.00 (24)
W8-1	48"	48"					8				16.00 (128)
W8-11	48"	48"					12				16.00 (192)
W8-24a	48"	48"					4				16.00 (64)

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:



By	Date	By	Date
Designed	BAT 2/14/2018	Checked	BAT 2/14/2018
Drawn	BMB 2/14/2018	In Charge of	SRT 2/14/2018

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

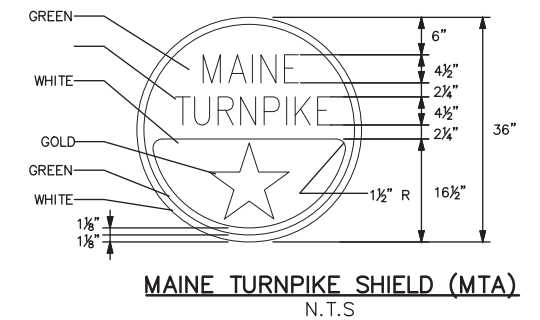


**THE GOLD STAR
MEMORIAL HIGHWAY**

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

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS
SIGN SUMMARY II

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
MI-2	24"	24"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			6	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			4.00 (24)
W24-1L	48"	48"					2				16.00 (32.00)
W24-1R	48"	48"					2				16.00 (32.00)
CS-10	48"	48"		7" 7"	6"		4	ORANGE	BLACK		16.00 (64)
LOGO S	24"	24"		SEE DETAILS RIGHT			6	SEE DETAILS RIGHT			4.00 (24)



NOTE: FOR 24" SHIELD REDUCE ALL MEASUREMENTS BY 1/3.

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

		By	Date	By	Date
		Designed	BAT 2/14/2018	Checked	BAT 2/14/2018
		Drawn	BMB 2/14/2018	In Charge of	SRT 2/14/2018

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.

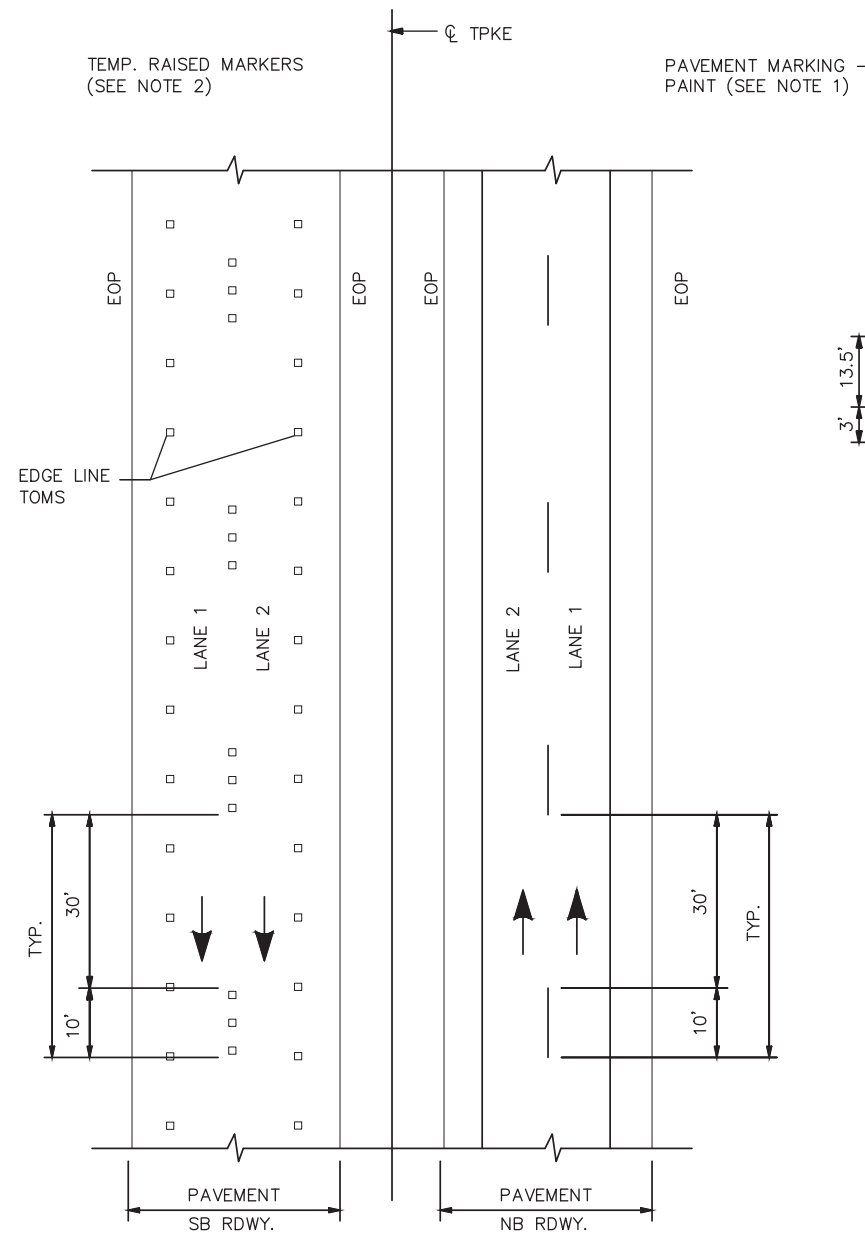
PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

SIGN SUMMARY III

SHEET NUMBER: T-10

CONTRACT: 2018.01

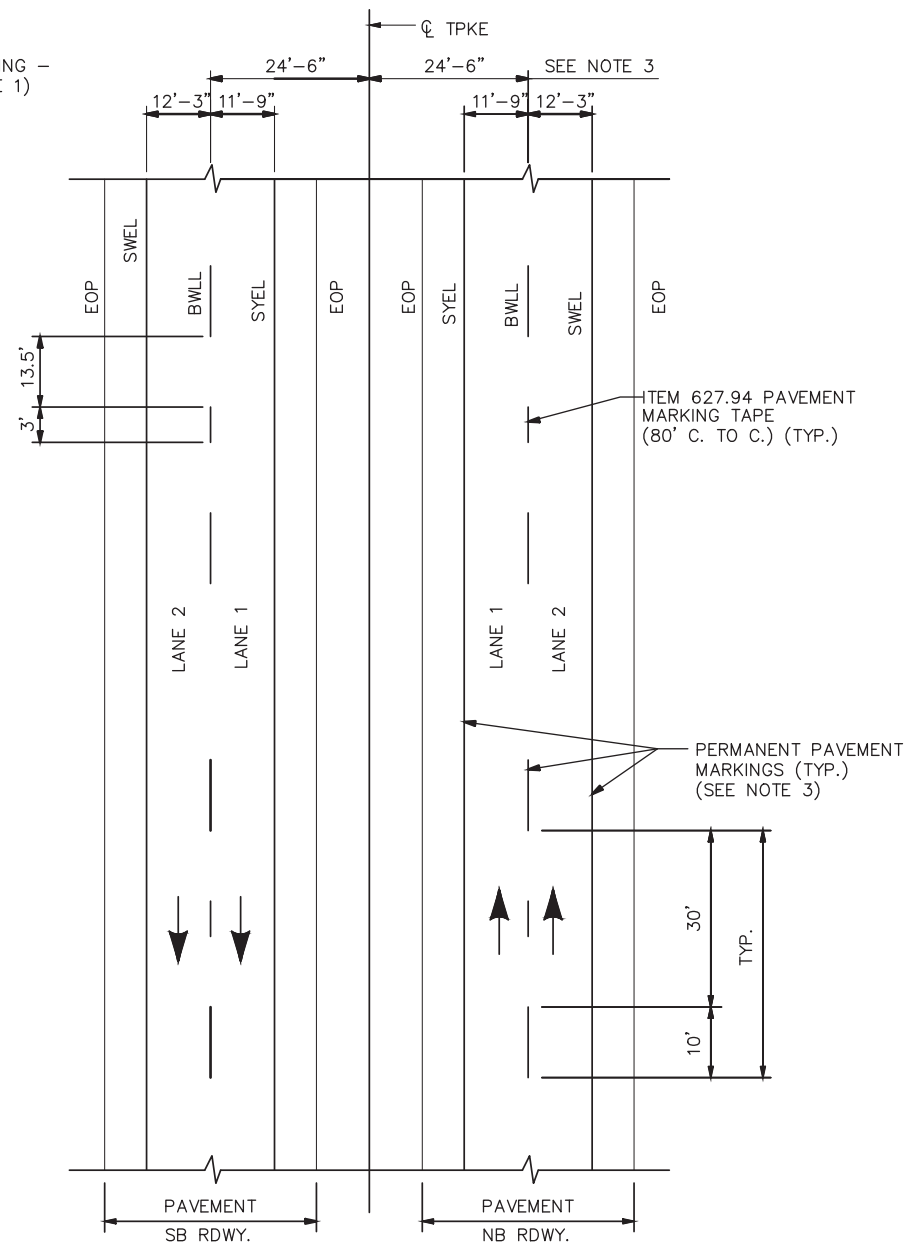
21 of 25



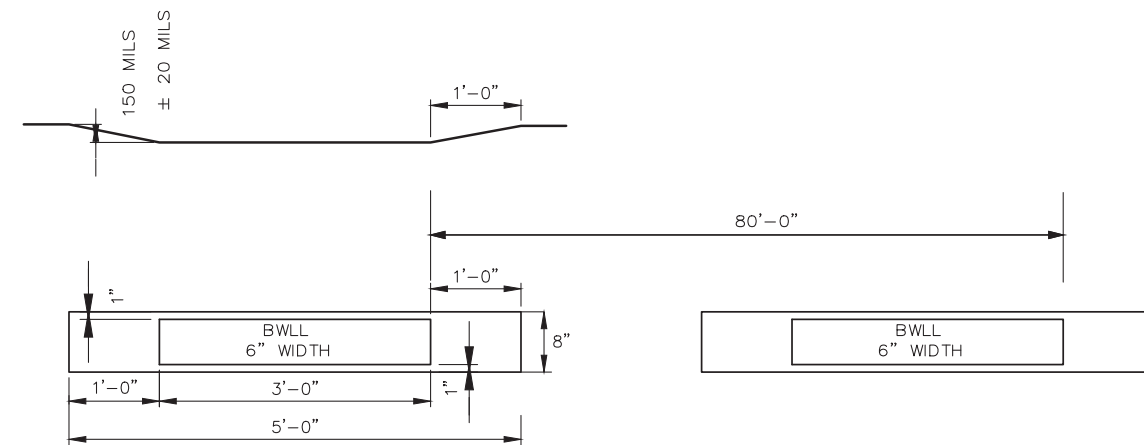
**TEMP. PAVEMENT MARKINGS
2 LANE RDWY**

NOTES:

- TEMPORARY PAVEMENT MARKINGS ON MILLED PAVEMENT SHALL BE 6" SOLID WHITE, BROKEN WHITE, AND SOLID YELLOW PAINT LINES.
- TEMPORARY PAVEMENT MARKINGS ON NEW HMA 12.5MM, OR SHIM MATERIAL, SHALL BE TEMPORARY RAISED PAVEMENT MARKERS. "SOLID" WHITE AND "SOLID" YELLOW LANE LINES SHALL BE TEMPORARY RAISED PAVEMENT MARKERS SPACED AT 10'-0" C. TO C. "BROKEN" WHITE LANE LINES SHALL BE TEMPORARY RAISED PAVEMENT MARKERS SPACED 5'-0" C. TO C. EVERY 40'-0". TEMPORARY 6" PAVEMENT MARKING TAPE SHALL BE USED ON RADII ON SURFACE PAVEMENT. A 3' PIECE EVERY 40'.



**PERMANENT PAVEMENT MARKINGS
2 LANE RDWY**



**ITEM 627.94
PERMANENT PAVEMENT
MARKINGS WITH TAPE
GROOVING DETAIL
N.T.S.**


LEGEND

- SYEL = SOLID YELLOW EDGE LINE (6" PAINT)
- SWEL = SOLID WHITE EDGE LINE (6" PAINT)
- BWLL = BROKEN WHITE LANE LINE (6" PAINT)
- EOP = EDGE OF PAVEMENT

NOTES:

- PERMANENT PAVEMENT MARKINGS SHALL BE 6" WIDE LINES.
- PERMANENT PAVEMENT MARKINGS SHALL BE INSTALLED ON BOTH ROADWAYS.
- THE OFFSET DISTANCE SHOWN ARE MEASURED FROM THE CENTER OF THE 6" PAINT LINES.

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
					
	By	Date		By	Date
	BAT	2/14/2018	Checked	BAT	2/14/2018
	BMB	2/14/2018	In Charge of	SRT	2/14/2018

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



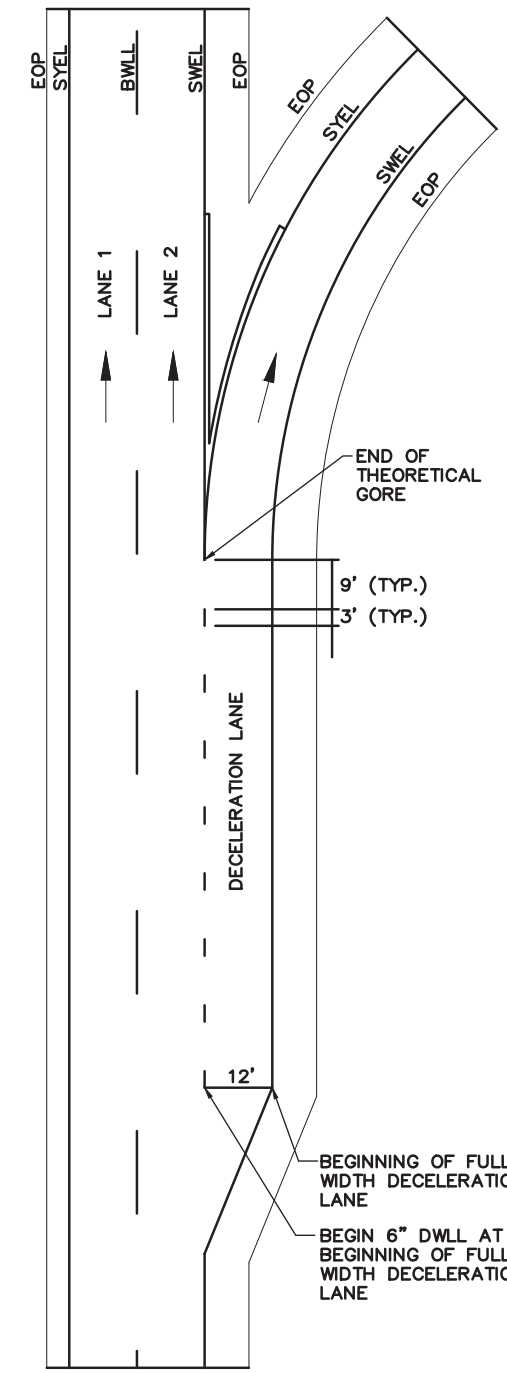
**THE GOLD STAR
MEMORIAL HIGHWAY**

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

PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS
PAVEMENT MARKING DETAILS I
SHEET NUMBER: T-11
CONTRACT: 2018.01
22 of 25

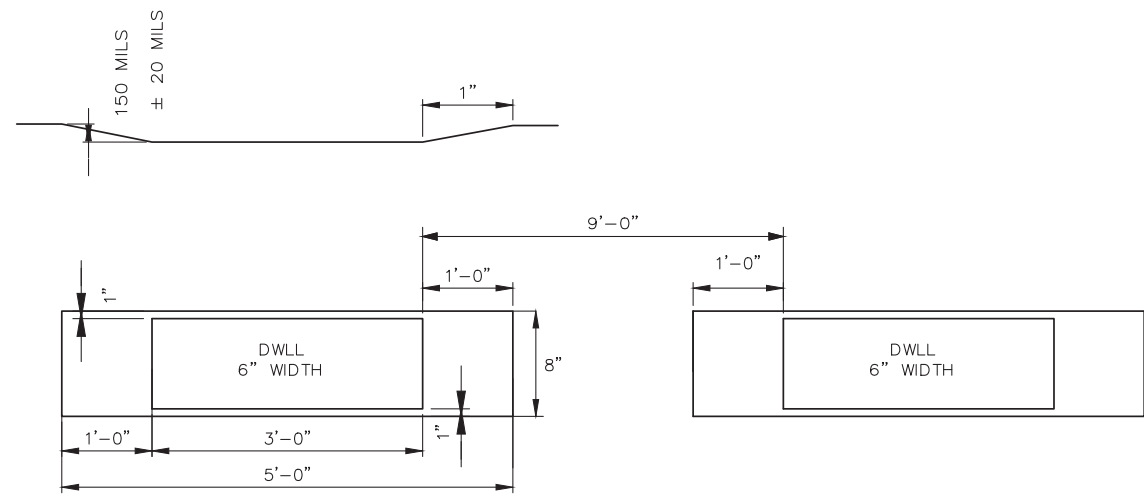
CONTRACT 2018.01
PAVEMENT MARKING TAPE-DOTTED WHITE LANE LINE INSTALLATION LOCATIONS

NORTHBOUND							
LOCATION	LANE TYPE		ITEM NUMBER 627.941 PAVEMENT MARKING-DWLL				
	DECEL	ACCEL	BEGIN STATION	END STATION	LENGTH OF DWLL (LF)	MARKING COUNT (EA)	TAPE (LF)
EXIT 102	X		5198+56	5203+10	444	37	111
TOTAL NB							111



DEPARTING RAMP

**PERMANENT PAVEMENT
MARKINGS WITH TAPE**
(ITEM 627.941 PAVEMENT MARKING TAPE)



**ITEM 627.941
DWLL PERMANENT PAVEMENT
MARKINGS WITH TAPE**
GROOVING DETAIL
N.T.S.

LEGEND

- SYEL = SOLID YELLOW EDGE LINE (6" PAINT)
- SWEL = SOLID WHITE EDGE LINE (6" PAINT)
- BWLL = BROKEN WHITE LANE LINE (6" PAINT)
- EOP = EDGE OF PAVEMENT


NOTES:

1. ALL EXISTING PAINT MARKINGS SHALL BE REMOVED PRIOR TO INSTALLATION OF ITEM 627.941 PAVEMENT MARKING TAPE AND SHALL BE INCIDENTAL TO INSTALLATION OF THE TAPE.
2. ON DEPARTING RAMP, THE DWLL SHALL BEGIN AT THE BEGINNING OF THE FULL WIDTH DECELERATION LANE AND EXTEND TO THE THEORETICAL GORE MARKINGS.
3. ON ENTERING RAMP, THE DWLL SHALL BEGIN AT THE END OF THE THEORETICAL GORE MARKINGS AND SHALL EXTEND HALF THE TOTAL LENGTH OF THE RAMP INCLUDING THE TAPER.
4. ITEM 627.941 PAVEMENT MARKING TAPE FOR DWLL SHALL BE INSTALLED IN AN "IN-AND-OUT" GROOVING PATTERN. SEE DETAIL THIS SHEET.
5. CONTRACTOR SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION OF THE TAPE. ANY CHANGES TO INSTALLATION PROCEDURES SHALL BE APPROVED THE RESIDENT ENGINEER.

Scale: NOT TO SCALE


No.	Revision	By	Date

Designed by:



	By	Date		By	Date
Designed	BAT	2/14/2018	Checked	BAT	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

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.

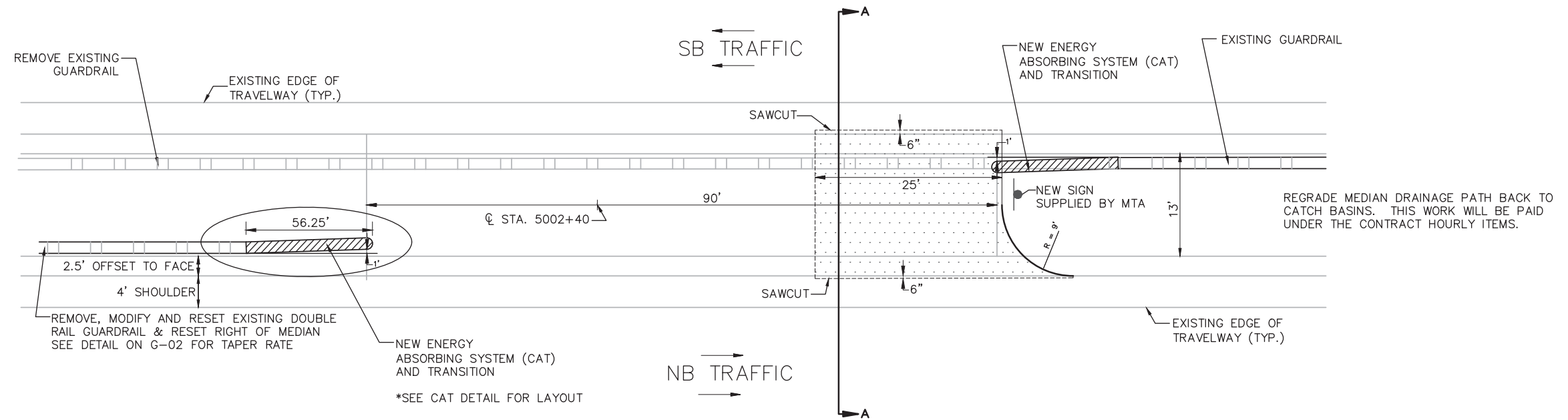
PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

PAVEMENT MARKING DETAILS II

SHEET NUMBER: T-12

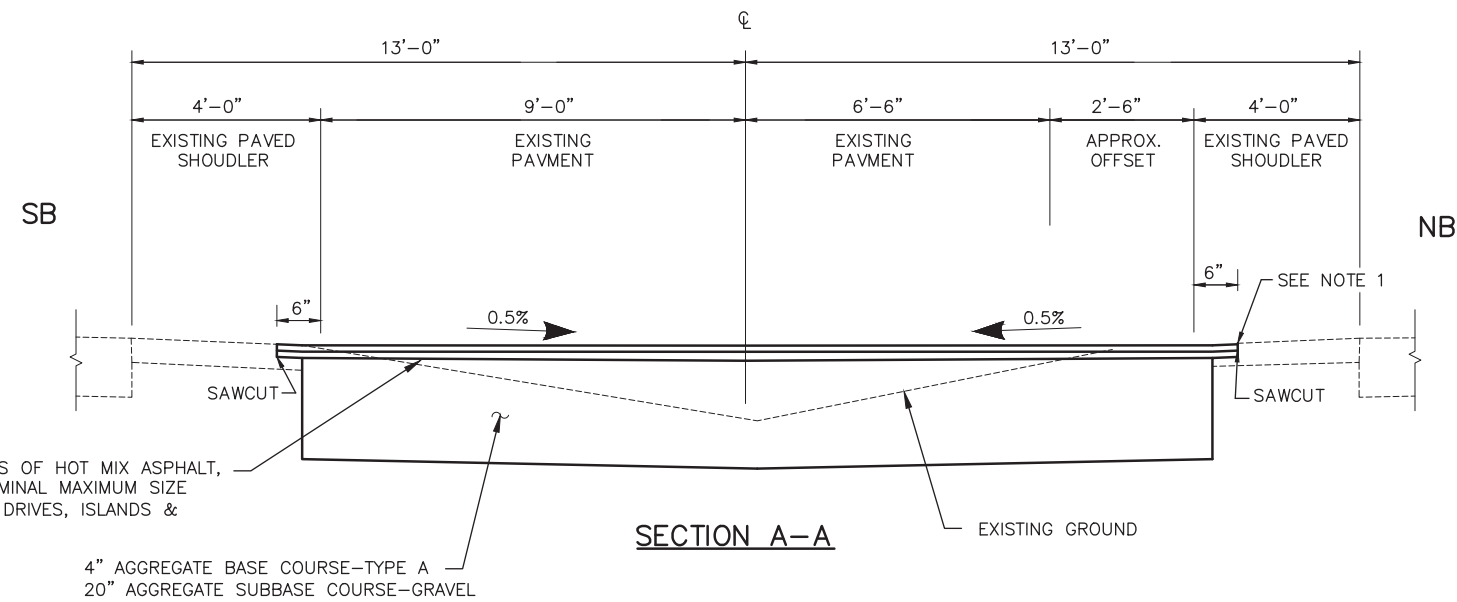
CONTRACT: 2018.01

23 of 25



MODIFY MEDIAN OPENING MM 98.0


N.T.S.



NOTES:

1. SAWCUT EXISTING PAVEMENT FULL DEPTH AND COAT SAWN FACE WITH HOT RUBBERIZED ASPHALT (INCIDENTAL TO ASPHALT ITEMS), PRIOR TO PAVING.

Scale:			
NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
					
	By	Date		By	Date
Designed	BAT	2/14/2018	Checked	BAT	2/14/2018
Drawn	BMB	2/14/2018	In Charge of	SRT	2/14/2018

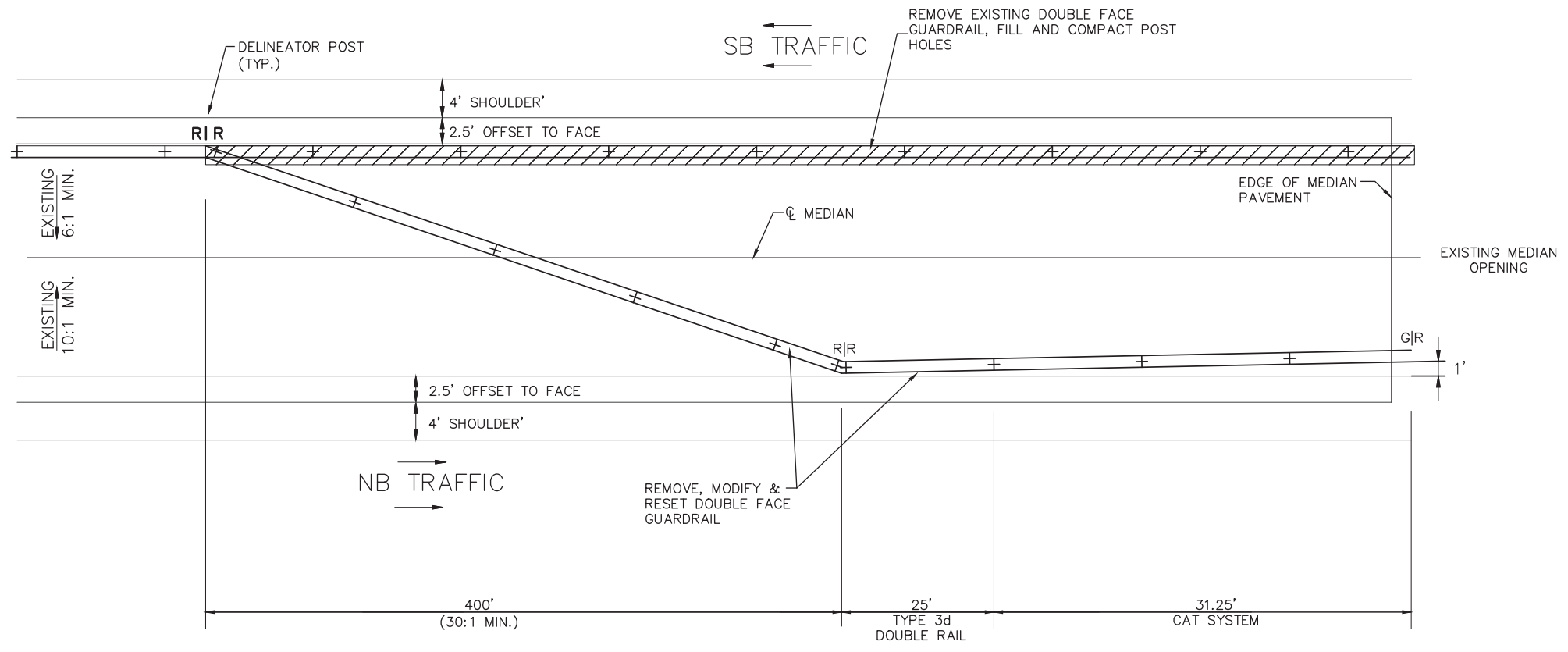
MAINE TURNPIKE AUTHORITY
 2360 Congress Street
 Portland, ME 04102
 TEL (207) 871-7771
 FAX (207) 879-5567



THE GOLD STAR MEMORIAL HIGHWAY

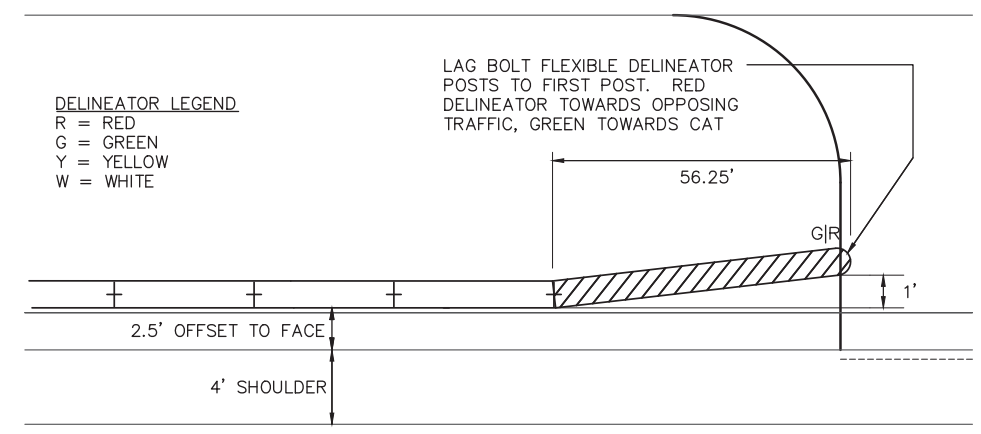
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS
GUARDRAIL DETAILS I
SHEET NUMBER: G-1
CONTRACT: 2018.01
24 of 25



GUARDRAIL TAPER DETAIL
NTS

THE TAPER LENGTH OF 400 FEET IS BASED ON A 2.5 FOOT OFFSET TO THE FACE OF RAIL FROM THE EDGE OF PAVEMENT ON BOTH BOUNDS. IF THE EXISTING RAIL IS AT AN OFFSET THAT IS MORE OR LESS THEN 6 INCHES THAN THE NOTED 2.5 FEET THEN THE TAPER LENGTH SHALL BE RECALCULATED BY THE RESIDENT.



DELINEATOR LEGEND
R = RED
G = GREEN
Y = YELLOW
W = WHITE

CAT INSTALLATION DETAIL

NOTES:

1. THE CAT SYSTEM INCLUDES 31.25 FEET OF ENERGY ABSORBING SYSTEM AND 25 FEET OF TYPE 3D MODIFIED DOUBLE RAIL.
2. THE ENTIRE 56.25' OF THE CAT SYSTEM SHALL BE ON THE SAME CONTINUOUS TANGENT.
3. THE LEADING END OF THE CAT SHALL BE NO CLOSER THAN 1 FOOT FROM THE TANGENT LINE CREATED BY THE DOUBLE RAIL PRIOR TO THE CAT SYSTEM.

Scale: NOT TO SCALE

No.	Revision	By	Date
1	Addendum 1 addition	BAT	4/12

Designed by:

	By	Date	Checked	By	Date
Designed	BAT	4/12/2017		BAT	4/12/2017
Drawn	BMB	4/12/2017	In Charge of	SRT	4/12/2017

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

	<h2>THE GOLD STAR MEMORIAL HIGHWAY</h2>
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.	

PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS	
GUARDRAIL DETAILS II	
SHEET NUMBER: G-2	
CONTRACT: 2018.01	25 of 25