



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

May 30, 2023
Subject: Placement of Plant Mixed Recycled
Asphalt paving & HMA Overlay
State WIN: 023759.10 & 024197.10
Location: **S. Thomaston, St. George &
Jefferson**
Amendment No. 2

Dear Sir/Ms.:

Make the following changes to the bid documents

In the Bid Book:

Remove from amendment one Proposal Schedule of Items dated 5/19/2023, and **Replace** with the attached Proposal Schedule of Items Dated 5/30/2023

Remove page one hundred titled SPECIAL PROVISION SECTION 403 HOT MIX ASPHALT dated May 3, 2023, and **Replace** with the attached SPECAIL PROVISION SECTION 403 HOT MIX ASPHALT dated May 30, 2023

Remove pages Forty-Seven & Forty-Eight titled TYPICAL SECTIONS totaling two pages and **Replace** with the attached TYPICAL SECTIONS totaling two pages

Remove Pages thirty-three to thirty-five titled TYPICAL SECTIONS and **Replace** with the attached TYPICAL SECTIONS totaling three pages

The following questions have been received:

Question: The contract allows for 76 WD's to complete, with 123 CD's in item 652.36 MOT. Should one of these be adjusted?

Response: No, the estimated quantities are correct.

Question: With a start date of August 7, NLT August 17, 2023, allowing time for the pipe installation, the PM

Rap placement and shim, does the department find it feasible to get all surface installation complete before the Thin Lift paving seasonal deadline?

- a. Is it the intent to complete the contract in the 2023 Season?
- b. Is the intent to pave shim and return in the spring to complete the thin lift surface?
- c. If the shim is to winter over who is responsible for repairs, if necessary, in the spring prior to surface?

Response: The intent is to complete work in the 2023 construction season. Contract documents have been updated for the placement of a 1" surface.

Consider these changes and information prior to submitting your bid on **May 31, 2023.**

Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023759.10

Project(s): 023759.10, 024197.10

SECTION: 1 REGIONAL

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	201.23 REMOVING SINGLE TREE TOP ONLY	1.000 EA	_____	 _____	_____	 _____
0020	201.24 REMOVING STUMP	2.000 EA	_____	 _____	_____	 _____
0030	202.20201 REMOVING PAVEMENT SURFACE (HOURLY)	50.000 HR	_____	 _____	_____	 _____
0040	202.203 PAVEMENT BUTT JOINTS	940.000 SY	_____	 _____	_____	 _____
0050	204.43 REHABILITATE EXISTING SHOULDERS - TRUCK MEASURE	3,770.000 CY	_____	 _____	_____	 _____
0060	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	210.000 T	_____	 _____	_____	 _____
0070	403.2104 HOT MIX ASPHALT 9.5 MM - THIN LIFT SURFACE TREATMENT	3,850.000 T	_____	 _____	_____	 _____
0080	403.211 HOT MIX ASPHALT (SHIMMING)	2,050.000 T	_____	 _____	_____	 _____
0090	409.15 BITUMINOUS TACK COAT - APPLIED	10,400.000 G	_____	 _____	_____	 _____
0100	411.10 UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	400.000 CY	_____	 _____	_____	 _____
0110	511.07 COFFERDAM: 70+25 DOWNSTREAM	LUMP SUM		 LUMP SUM	_____	 _____
0120	511.07 COFFERDAM: 70+25 UPSTREAM	LUMP SUM		 LUMP SUM	_____	 _____

5/30/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 2 of 5

Proposal ID: 023759.10

Project(s): 023759.10, 024197.10

SECTION: 1 REGIONAL

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0130	603.169 15 INCH CULVERT PIPE OPTION III	30.000 LF	_____	 _____	_____	 _____
0140	603.36 57 INCH SPAN 38 INCH RISE PIPE ARCH	28.000 LF	_____	 _____	_____	 _____
0150	604.242 CATCH BASIN TYPE F3	2.000 EA	_____	 _____	_____	 _____
0160	605.09 6 INCH UNDERDRAIN TYPE B	380.000 LF	_____	 _____	_____	 _____
0170	605.11 12 INCH UNDERDRAIN TYPE C	350.000 LF	_____	 _____	_____	 _____
0180	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	500.000 LF	_____	 _____	_____	 _____
0190	606.1304 31" W-BM GR, MID-WAY SPLICE-OVER 15' RAD	50.000 LF	_____	 _____	_____	 _____
0200	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	2.000 EA	_____	 _____	_____	 _____
0210	606.1306 31" W-BM GR, MID-WAY SPLICE TANGENT TERMINAL	2.000 EA	_____	 _____	_____	 _____
0220	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	14.000 EA	_____	 _____	_____	 _____
0230	606.356 UNDERDRAIN DELINEATOR POST	1.000 EA	_____	 _____	_____	 _____
0240	609.31 CURB TYPE 3	1,090.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023759.10

Project(s): 023759.10, 024197.10

SECTION: 1 REGIONAL

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0250	610.08 PLAIN RIPRAP	70.000 CY	_____	 _____	_____	 _____
0260	613.319 EROSION CONTROL BLANKET	1,700.000 SY	_____	 _____	_____	 _____
0270	615.10 DIRTY BORROW	200.000 CY	_____	 _____	_____	 _____
0280	618.14 SEEDING METHOD NUMBER 2	226.000 UN	_____	 _____	_____	 _____
0290	619.12 MULCH	226.000 UN	_____	 _____	_____	 _____
0300	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	60,570.000 LF	_____	 _____	_____	 _____
0310	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	40.000 SF	_____	 _____	_____	 _____
0320	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	60,500.000 LF	_____	 _____	_____	 _____
0330	629.05 HAND LABOR, STRAIGHT TIME	25.000 HR	_____	 _____	_____	 _____
0340	631.111 TRACTOR MOUNTED HYDRAULIC HAMMER	90.000 HR	_____	 _____	_____	 _____
0350	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	260.000 HR	_____	 _____	_____	 _____
0360	631.14 GRADER (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023759.10

Project(s): 023759.10, 024197.10

SECTION: 1 REGIONAL

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0370	631.161 PAVING CREW	95.000 HR	_____	 _____	_____	 _____
0380	631.162 PAVING CREW (OVERTIME)	39.000 HR	_____	 _____	_____	 _____
0390	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	520.000 HR	_____	 _____	_____	 _____
0400	631.179 PUGMILL TRUCKING	8,600.000 T	_____	 _____	_____	 _____
0410	631.21 ROAD BROOM (INCLUDING OPERATORS AND HAULER)	22.000 HR	_____	 _____	_____	 _____
0420	631.22 FRONT END LOADER (INCLUDING OPERATOR)	12.000 HR	_____	 _____	_____	 _____
0430	652.33 DRUM	60.000 EA	_____	 _____	_____	 _____
0440	652.34 CONE	140.000 EA	_____	 _____	_____	 _____
0450	652.35 CONSTRUCTION SIGNS	1,090.000 SF	_____	 _____	_____	 _____
0460	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	123.000 CD	_____	 _____	_____	 _____
0470	652.38 FLAGGER	2,400.000 HR	_____	 _____	_____	 _____
0480	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	_____	 LUMP SUM	_____	 _____

5/30/2023

Maine Department of Transportation

Proposal Schedule of Items

Page 5 of 5

Proposal ID: 023759.10

Project(s): 023759.10, 024197.10

SECTION: 1 REGIONAL

Alt Set ID: Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0490	659.10 MOBILIZATION	LUMP SUM	LUMP	SUM	_____	_____
		Section: 1	Total:		_____	_____
			Total Bid:		_____	_____

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT

Desc. Of Course	Grad Design.	Item Number	Total Thick	No. Of Layers	Comp. Notes
<u>1" HMA Overlay with Variable Depth Shim</u>					
<u>Travelway & Shoulders (As Indicated)</u>					
Wearing	9.5 mm	403.2104	1"	1	1,4,10,24,30
Shim	9.5 mm	403.211	variable	1/more	4,10,20,30
<u>Driveways & Misc. (As Directed)</u>					
Wearing	9.5 mm	403.209	2"	1/more	3,20,30,32

COMPLEMENTARY NOTES

1. The required PGAB for this mixture will meet a **PG 64-28** grading. All asphalt grades utilized on the travelway and shoulders shall be treated with an approved liquid anti-strip. PG binders shall be treated with a minimum 0.50 percent anti-strip by weight of asphalt binder used unless otherwise recommended by the anti-strip manufacturer. The PGAB and anti-strip blend shall meet the **PG 64-28** requirements. The Contractor shall provide supporting test data showing the PGAB and anti-strip blend meet the required criteria.
3. The design traffic level for mix placed shall be 0 to <3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **65 gyrations**.
4. 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 **65 gyrations**.
10. Section 106.6 Acceptance, (2) **Method D** as specified Section 401.21 - Quality Assurance Methods B and D. The Contractor may request a contract modification to change to testing method "C" prior to work starting on this item.
20. The combined aggregate gradation required for this item shall be classified as a 9.5mm Thin Lift Mixture (TLM) mixture, using the Aggregate Gradation Control Points as defined in 703.09.
24. See Special Provision 401 – Thin Lift Surface Treatment for project specifics.
30. The incentive/disincentive provisions for density shall not apply. Rollers shall meet the requirements of this special provision. The use of an oscillating steel roller shall be required to compact all mixtures pavements placed on bridge decks.
32. Compaction of the new Hot Mix Asphalt Pavement will be obtained using a minimal roller train consisting of a **3-5 ton** vibratory roller. Areas less than 2 feet wide shall be compacted with a minimum of a **150 pound** plate compactor. An approved release agent is required to ensure the mixture does not adhere to hand tools, rollers, pavers, and truck bodies. The use of petroleum based fuel oils, or asphalt stripping solvents will not be permitted.

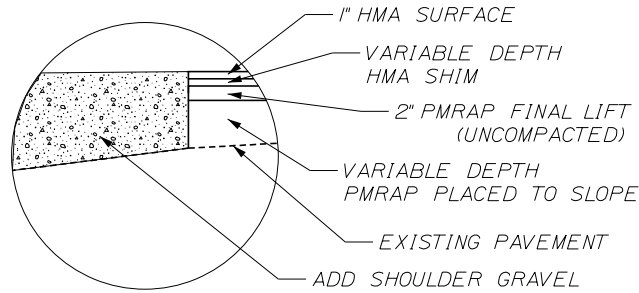
Tack Coat

A tack coat of emulsified asphalt, RS-1, RS-1h, CRS-1 or CRS-1h, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.030 gal/yd², and on milled pavement approximately 0.05 gal/yd² prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim /base courses and surface course as well as to any bridge membrane prior to the placement of HMA layers at a rate not to exceed 0.030 gal/yd². Tack used will be **paid for at the contract unit price** for Item 409.15 Bituminous Tack Coat.

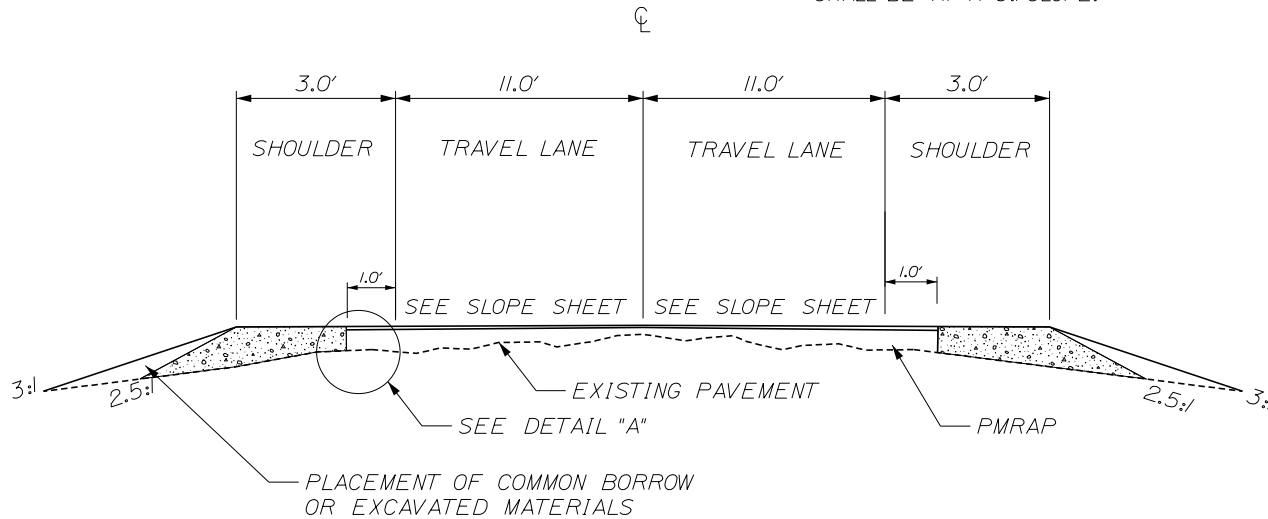
VARIABLE DEPTH PMRAP WITH HOT MIX ASPHALT OVERLAY NORMAL SECTION

NOTES:

1. THE CROWN OF THE PAVER SCREED SHALL NOT EXCEED $\frac{1}{4}$ " WHEN PLACING PMRAP.
2. PLACEMENT OF COMMON BORROW ON INSLOPES SHALL BE AT A 3:1 SLOPE.
3. SHOULDERS WITH A WIDTH OF 3 FEET OR LESS SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVELWAY UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
4. EXISTING SHOULDERS SHALL BE CLEANED OF ALL EXISTING WINTER SAND AND ORGANICS, AND REPLACED WITH GRAVEL TO THE PROPOSED SHOULDER WIDTHS AS SHOWN ON THE TYPICAL PRIOR TO THE PLACEMENT OF PAVEMENT.
5. PLACEMENT OF AGGREGATE FOR SHOULDERS SHALL BE DONE WITH A SHOULDER MACHINE OR OTHER METHOD THAT IS CAPABLE OF PLACING MATERIAL TO THE SPECIFIED SLOPES AND WIDTHS AS DIRECTED. PLACEMENT ON INSLOPES SHALL BE AT A 3:1 SLOPE.



DETAIL "A"



NOT TO SCALE

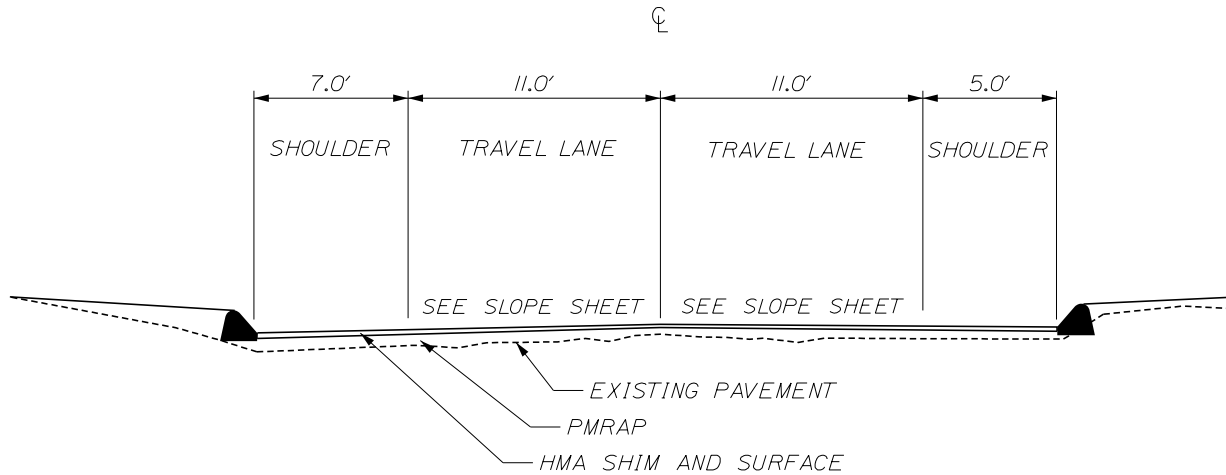
JEFFERSON
 ROUTE 126
 TYPICAL SECTIONS

WIN 24197.10

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 24197.10 HIGHWAY PLANS

SHEET NUMBER
 1 OF 2

VARIABLE DEPTH PMRAP WITH HOT MIX ASPHALT OVERLAY
CURB SECTION



STATION
22+75 - 23+77

NOT TO SCALE

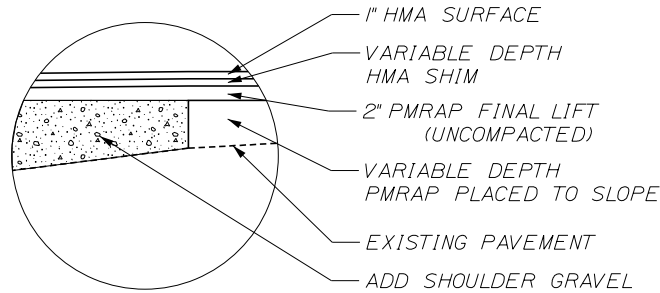
JEFFERSON
ROUTE 126
TYPICAL SECTIONS

WIN 24197.10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
24197.10 HIGHWAY PLANS

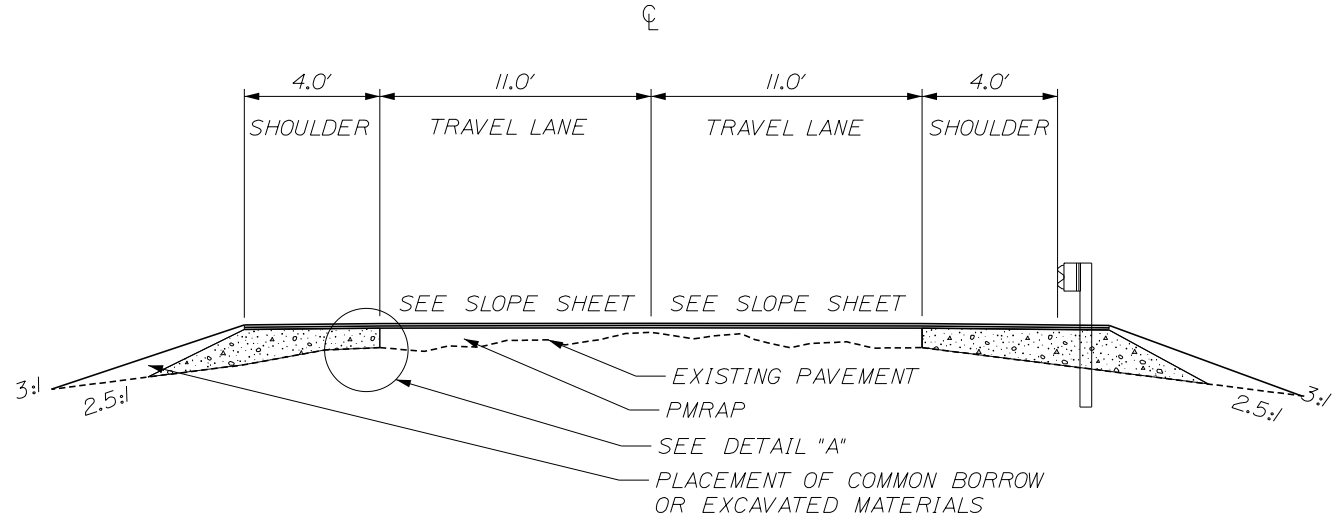
SHEET NUMBER
2 OF 2

VARIABLE DEPTH PMRAP WITH HOT MIX ASPHALT OVERLAY NORMAL SECTION



NOTES:

1. THE CROWN OF THE PAVER SCREED SHALL NOT EXCEED 1/4" WHEN PLACING PMRAP.
2. PLACEMENT OF COMMON BORROW ON INSLOPES SHALL BE AT A 3:1 SLOPE.
3. SHOULDERS WITH A WIDTH OF 4 FEET OR LESS SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVELWAY UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
4. EXISTING SHOULDERS SHALL BE CLEANED OF ALL EXISTING WINTER SAND AND ORGANICS.
5. PLACEMENT OF AGGREGATE FOR SHOULDERS SHALL BE DONE WITH A SHOULDER MACHINE OR OTHER METHOD THAT IS CAPABLE OF PLACING MATERIAL TO THE SPECIFIED SLOPES AND WIDTHS AS DIRECTED. PLACEMENT ON INSLOPES SHALL BE AT A 3:1 SLOPE.



NOT TO SCALE

SOUTH THOMASTON - SAINT GEORGE
ROUTE 73

TYPICAL SECTIONS

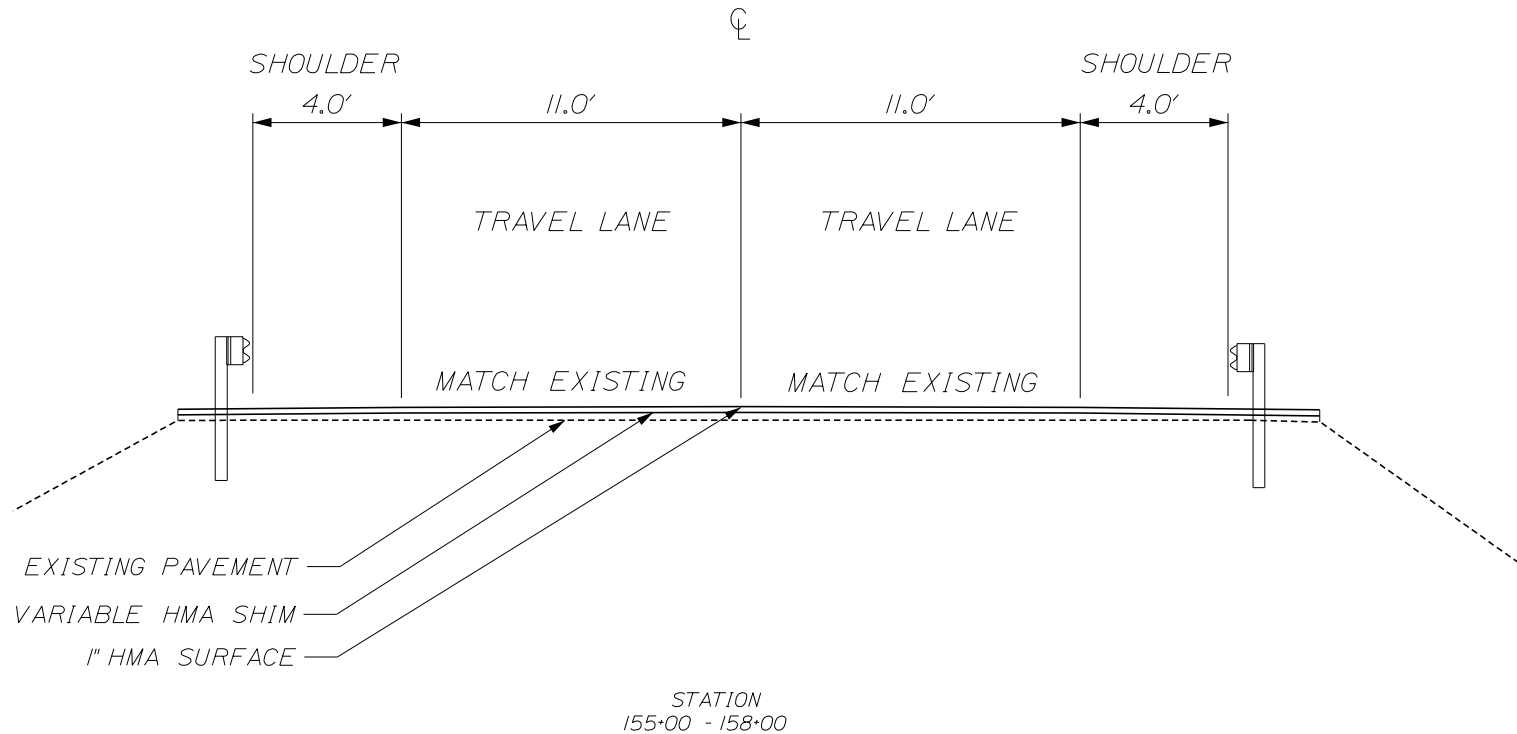
WIN 23759.10

**STATE OF MAINE
DEPARTMENT OF TRANSPORTATION**

23759.10 HIGHWAY PLANS

**SHEET NUMBER
1 OF 3**

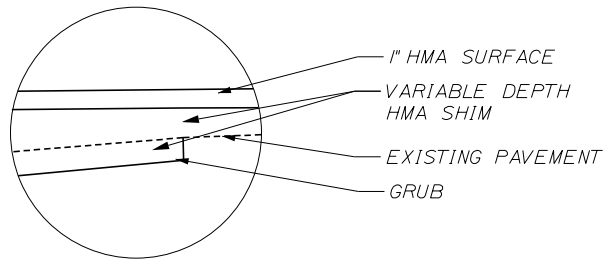
HOT MIX ASPHALT OVERLAY
OVER BRIDGE #46906



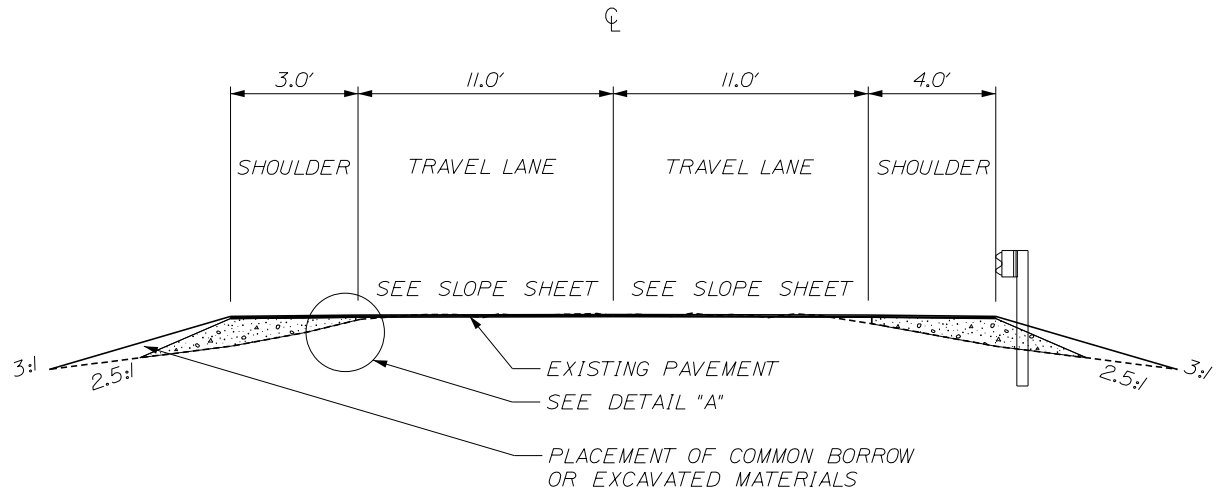
NOT TO SCALE

SOUTH THOMASTON - SAINT GEORGE ROUTE 73	WIN 23759.10	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SHEET NUMBER 2 OF 3
TYPICAL SECTIONS		23759.10 HIGHWAY PLANS	

VARIABLE DEPTH PMRAP WITH HOT MIX ASPHALT SHIM AND OVERLAY SECTION



DETAIL "A"



STATION
 12+00 - 22+00

NOT TO SCALE

SOUTH THOMASTON - SAINT GEORGE
 ROUTE 73

TYPICAL SECTIONS

WIN 23759.10

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION

23759.10

HIGHWAY PLANS

SHEET NUMBER

3 OF 3