



Paul R. LePage  
GOVERNOR

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

David Bernhardt  
COMMISSIONER

February 13, 2012  
Subject: **Bowdoin/Richmond**  
State PIN: 019130  
**Amendment No. 2**

Dear Sir/Ms:

Make the following changes to the Bid Document:

In the Bid Book (pages 4 thru 6) **REMOVE** the "SCHEDULE OF ITEMS" 3 pages dated 120117 and **REPLACE** with the attached new "SCHEDULE OF ITEMS" 3 pages dated 120213.

In the Bid Book after page 23 **ADD** the attached "TYPICAL SECTIONS".

In the Bid Book (pages 30 thru 32) **REMOVE** the "CONSTRUCTION NOTES" 3 pages dated January 9, 2012 and **REPLACE** with the attached new "CONSTRUCTION NOTES" 3 pages dated February 10, 2012.

In the Bid Book (pages 83 and 84) **REMOVE** "SPECIAL PROVISION, SECTION 403, HOT MIX ASPHALT" 2 pages dated January 6, 2012 and **REPLACE** with the attached new "SPECIAL PROVISION, SECTION 403, HOT MIX ASPHALT" 2 pages dated February 12, 2012.

The following questions have been received:

**Question:** Can the Department provide a section of the 350 widenings showing limits of dimensions and types of mix/gravel?

**Response:** Please see the attached new Construction Notes and Typical. Item 205.51, Widen Existing Shoulder, has been added.

**Question:** Can the Department provide a detail for the 350 Guardrail widening showing the depth of pavement required to match existing? How will pavement for the 350 Guardrail widenings be paid for?

**Response:** Please see the attached new Schedule of Items, Typical Section and Special Provision 403. Item 403.213 has been added.



PRINTED ON RECYCLED PAPER

Consider these changes and information prior to submitting your bid on February 15, 2012.

Sincerely,



George Macdougall  
Acting Contracts & Specifications Engineer

*for*

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 019130.00

PROJECT(S): STP-1913(000)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	202.203 PAVEMENT BUTT JOINTS	650.000 SY				
0020	205.51 WIDENING OF EXISTING SHOULDER - PLAN QUANTITY	198.000 SY				
0030	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	85.000 T				
0040	403.210 HOT MIX ASPHALT 9.5 MM	6400.000 T				
0050	403.212 HOT MIX ASPHALT 4.75 MM - SHIM	3750.000 T				
0060	403.213 HOT MIX ASPHALT 12.5 MM BASE	85.000 T				
0070	409.15 BITUMINOUS TACK COAT - APPLIED	6900.000 G				
0080	411.10 UNTREATED AGGREGATE SURFACE COURSE (TRUCK MEASURE)	115.000 CY				
0090	603.16 15 INCH CULVERT PIPE OPTION I	20.000 LF				
0100	604.161 ALTERING CATCH BASIN	1.000 EA				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 019130.00

PROJECT(S): STP-1913(000)X

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	2637.500 LF				
0120	606.231 GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	112.500 LF				
0130	606.232 GUARDRAIL TYPE 3C - OVER 15 FOOT RADIUS	87.500 LF				
0140	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	9.000 EA				
0150	606.352 REFLECTORIZED BEAM GUARDRAIL DELINEATORS	13.000 EA				
0160	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	39.000 EA				
0170	606.365 GUARDRAIL REMOVE, MODIFY, AND RESET TYPE 3B TO 3C	2062.500 LF				
0180	606.367 REPLACE UNUSABLE EXISTING GUARDRAIL POSTS	5.000 EA				
0190	606.754 WIDEN SHOULDER FOR GUARDRAIL 350 FLARED TERMINAL	7.000 EA				
0200	606.79 GUARDRAIL 350 FLARED TERMINAL	25.000 EA				
0210	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	10.000 UN				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 019130.00

PROJECT(S): STP-1913(000)X

CONTRACTOR : \_\_\_\_\_

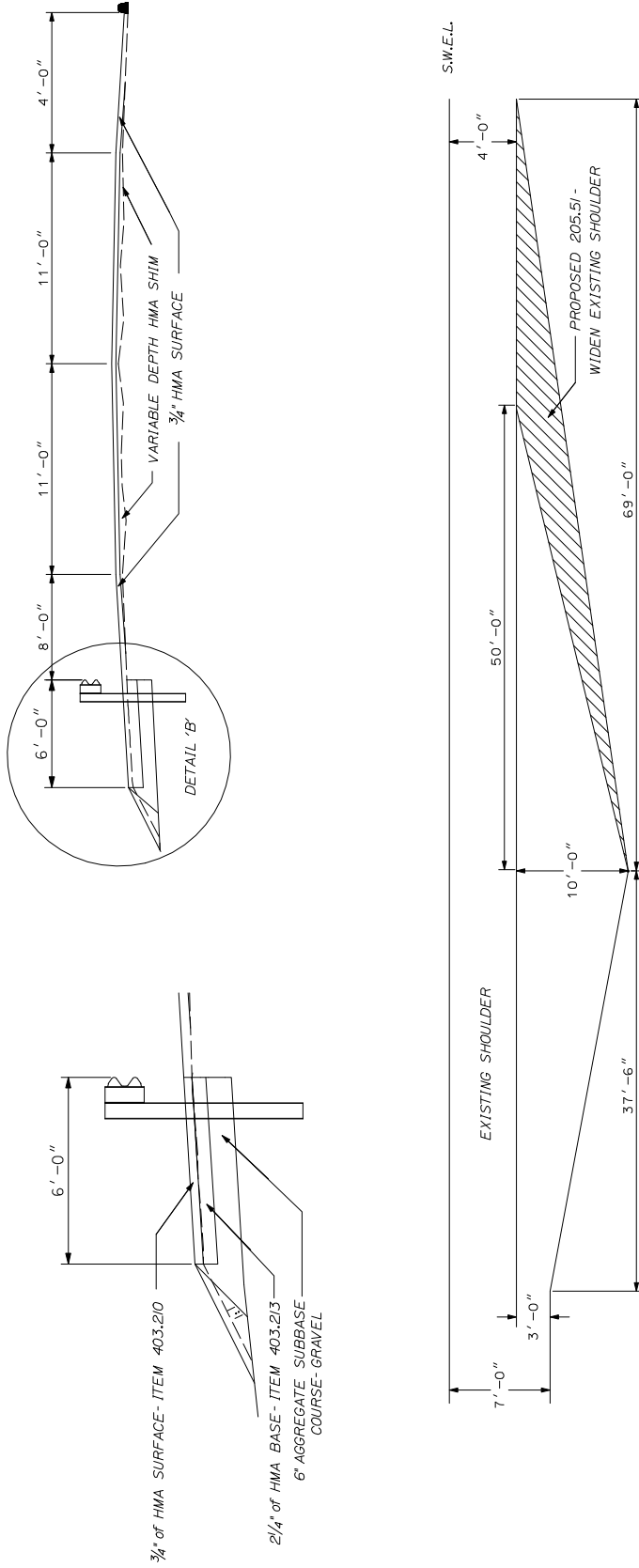
LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	619.1201 MULCH - PLAN QUANTITY	10.000 UN				
0230	627.76 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LUMP	LUMP			
0240	629.05 HAND LABOR, STRAIGHT TIME	5.000 HR				
0250	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	5.000 HR				
0260	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	5.000 HR				
0270	652.34 CONE	150.000 EA				
0280	652.35 CONSTRUCTION SIGNS	1300.000 SF				
0290	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	56.000 CD				
0300	652.38 FLAGGER	1550.000 HR				
0310	659.10 MOBILIZATION	LUMP	LUMP			
	SECTION 0001 TOTAL					
	TOTAL BID					

PROJ. NUMBER	SHAWN SMITH	BY	DATE
DESIGN-RELATED	WOOD	D. RICHMOND	
DESIGN-NO.			
DATE			
SIGNATURE			
P.E. NUMBER			
DATE			

BOWDOIN-RICHMOND  
 US ROUTE 201  
 TYPICAL SECTIONS

ITEM 205.51 - WIDEN EXISTING SHOULDER

DETAIL 'B'



## CONSTRUCTION NOTES

### **Item 202.203 Pavement Butt Joints**

Construct butt joints at the approaches of the project the full width of pavement and 40 to 45 feet in length. There are 12 paved side roads and 41 paved drives.

### **Item 205.51 Widening Of Existing Shoulder**

Left	Right
53+01 -53+70	154+65.5 – 155+34.5
59+07 – 59+76.5	158+47 – 159+16
59+58 – 60+27	392+01 – 392+70
66+83 – 67+52	417+41.5 – 418+10.5
154+53.5 – 155+22.5	421+88.5 – 422+57.5
273+42 – 274+11	
362+60 – 363+29	
365+54 – 366+23	
368+48.5 – 369+17.5	
388+71.5 – 389+40.5	
392+53 – 393+22	
418+60.5 – 419+29.5	
425+04.5 – 425+73.5	

### **Item 411.10 Untreated Aggregate Surface Course, Truck Measure**

Used to back up pavement in gravel drives, as directed by MaineDOT personnel.

### **Item 603.16 15” Culvert Pipe Option I**

Station 365+36 +/- Lt            Under 350 widening.

### **Item 604.161 Alter Catch Basin**

Station 77+44+/- Rt

### **Item 606.23 Guardrail Type 3C – Single Rail**

Left		Right	
60+27 – 67+89.5	762.5 LF	362+08 – 363+08	100.0 LF
86+60 – 88+22.5	162.5 LF	364+45.5 – 364+70.5	25.0 LF
158+35 – 158+60	25.0 LF	368+24 – 369+74	150.0 LF
257+44.5 – 258+69.5	125.0 LF	385+25 – 385+50	25.0 LF
260+40.5 – 263+28	287.5 LF		
274+48.5 – 278+11	362.5 LF		
377+42.5 – 383+55	612.5 LF		

## CONSTRUCTION NOTES

### Item 606.231 Guardrail Type 3C – 15 Foot Radius and Less

Left		Right	
88+22.5	12.5 LF	364+70.5	12.5 LF
158+60	12.5 LF	368+24	12.5 LF
278+11	12.5 LF	369+74	12.5 LF
		385+25	12.5 LF
		388+86	12.5 LF
		389+14	12.5 LF

### Item 606.232 Guardrail Type 3C – Over 15 Foot Radius

Left		Right	
88+22.5	12.5 LF	364+70.5	12.5 LF
158+60	12.5 LF	368+24	12.5 LF
278+11	12.5 LF	369+74	12.5 LF
		385+25	12.5 LF

### Item 606.265 Terminal End – Single Rail – Galvanized Steel

Left		Right	
88+22.5	1 Each	364+69	1 Each
158+60	1 Each	368+24	1 Each
278+11	1 Each	369+74	1 Each
		385+25	1 Each
		388+86	1 Each
		389+14	1 Each

### Item 606.352 Reflectorized Beam Guardrail Delineators

418+48 – 421+50 +/- RT	5 Each
419+67 – 424+67 +/- LT	8 Each

### Item 606.365 Guardrail Remove, Modify, and Reset Type 3B to 3C

Left		Right	
54+07.5 – 58+70	462.5 LF	155+72 – 158+09.5	237.5 LF
155+60 – 158+35	275.0 LF	363+08 + 364+45.5	137.5 LF
363+66.5 – 365+16.5	150.0 LF	385+50 – 388+75	325.0 LF
389+78 – 392+15.5	237.5 LF	389+26 – 391+63.5	237.5 LF

**CONSTRUCTION NOTES**

**Item 606.754 Widen Shoulder for Guardrail 350 Flared Terminal**

Left		Right	
85+53.5 – 86+60	1 Ea	361+01.5-362+08	1Ea
256+38 – 257+44.5	1 Ea		
258+32 – 259+38.5	1 Ea		
259+34 – 260+40.5	1 Ea		
263+27.5 – 264+34	1 Ea		
383+55 – 384+61.5	1 Ea		

**Item 606.79 Guardrail 350 Flared Terminal**

Left		Right	
53+70 – 54+07.5	1 Ea	155+34.5 – 155+72	1 Ea
58+70 – 59+07.5	1 Ea	158+09.5 – 158+47	1 Ea
60+27 – 60+64.5	1 Ea	361+70.5 – 362+08	1 Ea
67+52 – 67+89.5	1 Ea	391+63.5 – 392+01	1 Ea
86+22.5 – 86+60	1 Ea	418+10.5 – 418+48	1 Ea
155+22.5 – 155+60	1 Ea	421+51 – 421+88.5	1 Ea
257+07 – 257+44.5	1 Ea		
258+69.5 – 259+07	1 Ea		
260+03 – 260+40.5	1 Ea		
263+27.5 – 263+65	1 Ea		
274+11 – 274+48.5	1 Ea		
363+29 – 363+66.5	1 Ea		
365+16.5 – 365+54	1 Ea		
369+17.5 – 369+55	1 Ea		
383+55 – 383+92.5	1 Ea		
389+40.5 – 389+78	1 Ea		
392+15.5 – 392+53	1 Ea		
419+29.5 – 419+67	1 Ea		
424+67 – 425+04.5	1 Ea		

**SPECIAL PROVISION**  
**SECTION 403**  
**HOT MIX ASPHALT**

Desc. Of Course	Grad Design.	Item Number	Bit Cont. % of Mix	Total Thick	No. Of Layers	Comp. Notes
<b><u>¾" HMA Overlay Areas</u></b>						
<b><u>Mainline Travelway, Shoulders, Approach Roads</u></b>						
Wearing	9.5 mm	403.210	N/A	¾"	1	4,9,11,20,22
Shim	4.75 mm	403.212	N/A	Variable	1/more	2,4,9,20
<b><u>3" HMA Overlay Areas</u></b>						
<b><u>Guardrail Widening Areas</u></b>						
Wearing	9.5 mm	403.210	N/A	¾"	1	4,9,11,20,22
Base	12.5 mm	403.213	N/A	2 ¼"	1	2,4,10
<b><u>Drives, Misc.</u></b>						
Wearing	9.5 mm	403.209	N/A	¾"	1/more	2,3,10,11,14

**COMPLEMENTARY NOTES**

2. The density requirements are waived.
3. The design traffic level for mix placed shall be <0.3 million ESALS.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **50 gyrations**.
9. Section 106.6 Acceptance, (2) Method C. The Contractor may request a contract modification to change to testing method "A" prior to work starting on this item.
10. Section 106.6 Acceptance, (2) Method D.
11. The combined aggregate gradation required for this item shall be classified as a 9.5mm "**fine graded**" mixture, (using the Primary Control Sieve control point) as defined in 703.09.
14. A mixture meeting the requirements of section 703.09 Grading 'D', with a minimum PGAB content of 6%, and the limits of Special Provision 401, Table 9 (Drives and Sidewalks) for PGAB content and gradation may be substituted for this item. A job mix formula shall be submitted to the department for approval.
20. The Contractor may place the specified HMA pavement course, not to exceed 2" inch (50mm) compacted depth, over the full single travel lane width, for each production day. If this option is utilized the Contractor will be required to place a matching course of HMA over the adjacent section of travel lane before the end of the following calendar day. The Contractor will also be responsible for installing additional warning signage that clearly defines the centerline elevation differential hazard, as well as additional centerline delineation such as double RPM application, or temporary painted line. The Traffic Control Plan shall be amended to include this option and the additional requirements. All signs and traffic control devices will conform to Section 719.01, and Section 652, and will be installed to the work, at a maximum spacing of 0.50 mile [0.80 km] for the entire length of effected roadway section. On roadways with two-way traffic, the Contractor will be required to place the specified course over the full width of the mainline traveled way being paved prior to opening the sections to weekend or holiday traffic. If this option is utilized, all additional signing, labor, traffic control devices, or incidentals will not be paid for directly, will be considered incidental to the appropriate 652 items.

22. See Special Provision 401 – ¾ inch (20mm) Surface Treatment for project specifics.

Tack Coat

A tack coat of emulsified asphalt, RS-1, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.025 gal/yd<sup>2</sup>, and on milled pavement approximately 0.05 gal/yd<sup>2</sup> prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim /base courses and the surface course, at a rate not to exceed 0.025 gal/yd<sup>2</sup>.

Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.