



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

JOHN ELIAS BALDACCI  
GOVERNOR

DAVID A. COLE  
COMMISSIONER

April 2, 2010  
Subject: **Arrowsic & Bath**  
State Project No. 16683.00 & 16852.00  
**Amendment No. 2**

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book, REMOVE the "SCHEDULE OF ITEMS" 3 pages, dated 100325 and REPLACE with attached new "SCHEDULE OF ITEMS" 3 pages, dated 100401.

In the Bid Book, REMOVE the "SPECIAL PROVISION SECTION 652 MAINTENANCE OF TRAFFIC" 4 pages, dated January 28, 2010, and REPLACE with attached new "SPECIAL PROVISION SECTION 652 MAINTENANCE OF TRAFFIC" 4 pages, dated April 2, 2010.

In the plans, sheet number 2 of 7, Estimated Quantities, DELETE item number 627.9 and REPLACE with item 627.75 – White or Yellow pavement Marking & Curb Marking. Make this change in pen and ink.

The following questions have been received:

**Question: Can the viaduct overpass be closed during pavement removal and new paving of the center lanes? If so, can the contractor do this work during the time frames allowed in the maintenance of traffic section of the plans? Will there be any pavement marking or other temporary measures required in the viaduct?**

**Response:** The viaduct may only be closed during night work, provided the contractor gets local approval from City of Bath. Closures times from 8pm until 6am may be proposed as part Traffic Control Plan, subject to approval by the department.

**Question: SP 652 indicates temporary lines and removal will be determined by the resident, but also indicates the work will be part of the lump sum item 652.361. How is the contractor to know what quantities to carry in their bid if the resident will be determining the work limits? Shouldn't there be temporary pavement marking and removal items?**



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**Response:** All temporary markings shall follow the MUTCD and the Contractors approved Traffic Control Plan.

**Question:** Are temporary concrete barrier required the entire length of Max Wilder during concrete rehab and joint work?

**Response:** Temporary concrete barriers are not required the full length of Max Wilder. However, they will be required if full depth concrete slab repair is required.

**Question:** Can existing pavement and membrane be milled off Max Wilder?

**Response:** The Standard Specification does not dictate method of removal. The membrane removal is considered incidental to Item 202.127. If the Contractors method of removal is by milling, the contractor is reminded that any damage to the existing concrete super structure is the sole responsibility of the Contractor. Also note, the Section 508 of the Standard Specification: A manufacturer's representative shall be present during the placement of the High Performance Membrane and the paving of the binder course over it.

**Question:** Is there a DBE requirement for this project?

**Response:** No.

**Question:** I have never come across the item number 627.9 "Pavement painting". Could you please let me know what this item is? I am assuming it is something similar to pavement markings such as 627.75 but I would like to make sure before bidding this project.

**Response:** Please see the above changes to the Schedule of Items.

**Question:** Note 1 on Sheet 7 states "compression seal joint armor shall be repaired/modified as directed by the resident. "Please elaborate as to how much work is required and is to be included in the unit price for Item 520.241 "Bridge joint modification Type 1". Why wouldn't this work be considered extra work or a change order?"

**Response:** The scope of work for Item 520.241 is detailed on Sheet 7 of 7. The note is intended for any incidental repair to the joint steel, which will be paid for as Hand Labor Item 629.05.

**Question:** Are Items 518.50 and 518.51 for deck repairs only?

**Response:** Yes.

**Question: What is going to be allowed for devices to control traffic on the bridge?  
If you maintain an 11' lane with concrete barriers you will have a 2' wide strip  
down the middle that will never be seen unless the barriers are set on drainage.  
Will drums and cones be allowed during the deck repairs?**

**Response:** Yes.

Consider these changes and information prior to submitting your bid on **April 7, 2010.**

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Bickford" followed by a stylized flourish.

Scott Bickford  
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016683.00

PROJECT(S): BH-1668(300)X

BH-1685(200)X

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

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	202.127 REMOVE EXISTING BITUMINOUS PAVEMENT	LUMP	LUMP			
0020	202.206 RUMBLE STRIP - EDGELINE AND CENTERLINE	3205.000 LF				
0030	403.2101 9.5 MM POLYMER MODIFIED HMA	3303.000 T				
0040	409.15 BITUMINOUS TACK COAT - APPLIED	1310.000 G				
0050	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP	LUMP			
0060	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA				
0070	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP	LUMP			
0080	518.50 REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 7.9 IN.	215.000 SF				
0090	518.51 REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 7.9 IN.	55.000 SF				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016683.00

PROJECT(S): BH-1668(300)X

BH-1685(200)X

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

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0100	518.511 FULL DEPTH CONCRETE REPAIR	50.000 SF				
0110	520.241 BRIDGE JOINT MODIFICATION TYPE 1	4.000 EA				
0120	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP	LUMP			
0130	527.34 WORK ZONE CRASH CUSHIONS	4.000 UN				
0140	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	28130.000 LF				
0150	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	500.000 SF				
0160	629.05 HAND LABOR, STRAIGHT TIME	40.000 HR				
0170	639.18 FIELD OFFICE TYPE A	1.000 EA				
0180	643.72 TEMPORARY TRAFFIC SIGNAL	LUMP	LUMP			
0190	652.33 DRUM	140.000 EA				
0200	652.34 CONE	200.000 EA				

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 016683.00

PROJECT(S): BH-1668(300)X

BH-1685(200)X

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

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	652.35 CONSTRUCTION SIGNS	400.000 SF				
0220	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP	LUMP			
0230	652.38 FLAGGER	300.000 HR				
0240	652.381 TRAFFIC OFFICER	40.000 HR				
0250	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	3.000 EA				
0260	659.10 MOBILIZATION	LUMP	LUMP			
	SECTION 0001 TOTAL					
	TOTAL BID					

**SPECIAL PROVISION**  
**SECTION 652**  
**MAINTENANCE OF TRAFFIC**

**652.1 Description** The following paragraphs are added:

The Contractor shall provide a Traffic Control Plan (TCP) to the Resident, in accordance with Subsection 105.7 of the Standard Specifications. The Contractor shall not commence work in the field until the Department approves the TCP. The TCP shall be signed and sealed by a Professional Engineer licensed in the State of Maine. The Contractor shall provide a Traffic Control Supervisor who will be responsible for providing traffic control management in compliance with the contract and the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD), including supervision of personnel for the installation, inspection and maintenance of all traffic control devices. The Traffic Control Supervisor, or a qualified substitute, shall monitor traffic control details 24 hours per day and 7 days a week.

**No disruptions to traffic will be allowed before the TCP is reviewed and approved by the Department. The Contractor shall present the TCP at a pre-construction traffic control meeting at or before the Preconstruction Meeting. The Contractor should allow ten Business Days in his/her schedule for MaineDOT to review and approve the first submission of the TCP after the pre-construction traffic control meeting. If the initial TCP is rejected, the Contractor should allow five Business Days in his/her schedule for the Department to review and approve the second submission of the TCP after it is resubmitted.**

In addition to other TCP Requirements enumerated herein, the TCP shall show all Construction Signs, Emergency/alternate Route Signs, Speed Signs, Channelization Devices, Work Zone Crash Cushions, Temporary Traffic Signal, and Portable – Change Message Signs.

**652.3.3 Submittal of Traffic Control Plan** The following subsections are revised as noted:

- a. If the Contractor is using a flagging Subcontractor, then the name and address of the flagging Subcontractor will be provided in addition to a list of all of the Contractors certified flaggers to be used on the Project.
- b. An around the clock procedure for notifying the Resident, local emergency officials, and local government officials (including the name and phone numbers of such officials) whenever significant traffic impact are anticipated or occur.

**652.3.4 General Requirements.** The following paragraphs are added:

All construction work shall be confined to the lanes closed to traffic. The Contractor's workers and equipment shall not cross traffic lanes.

All permanent striping in areas of new pavement will be paid for under the appropriate contract bid items.

The exact limits of temporary lines to be striped and removed shall be determined in the field, by the Resident.

Upon completion of project the Contractor shall remove all temporary pavement striping and markings and restoring the original pavement markings to the original configuration in areas with no new pavement

Flaggers will be required whenever construction vehicles are entering or leaving the through traffic stream. The flaggers shall be authorized only to control the Contractor's vehicles when entering traffic or to prevent traffic from following the contractor's leaving the traffic stream.

Channelization. Channelization devices shall be NCHRP 350 compliant. Channelization devices include the following:

- Flashing Arrow Boards
- Type I Barricades
- Type II Barricades
- Type III Barricades
- Vertical Panel Markers
- Drums
- Cones
- Temporary Raised Pavement Markers
- Temporary Pavement Markings
- Temporary Concrete Barrier
- Tubular Markers

Channelization devices shall be installed and maintained at the spacing determined by the MUTCD to delineate travel lanes through the project, unless otherwise specified on the plans or herein. Temporary concrete barriers shall conform to the requirements of Section 526. Temporary Overlay Markers (TOMs) will not be permitted in lieu of temporary paint.

Speed Limits in Work Zones. The Contractor shall sign all approved reduced speed limits on construction project according to Maine DOT APM #431 -A Policy on the Establishment of Speed Limits in Work Zones.

Portable - Change Message Signs A total of 2 Portable - Change Message Signs shall be used at the following locations during construction:

Route 1 Northbound:

1. Maintenance crossover on Leemans Highway located about 2400' south of the Congress Street Overpass.

Route 1 Southbound:

1. 80'+/- North of the George Wright Road intersection on the North side of the road.

All Portable - Change Message Signs shall be in place and operating a minimum of 2 weeks before the project beginning. The Portable - Change Message Signs shall be paid for under item 652.41.

**Traffic Control Officers shall be in place at the following intersections:**

1. Route 1 on and off ramp at High Street

**Only traffic control officers shall be used at signalized intersections if required. Flaggers are not to be used at signalized intersections. The traffic control devices needed to close routes or redirect traffic shall be stored as near as possible to where they will be used. The Contractor shall inform the city at least one calendar week prior to needing the traffic control officers.**

The Portable - Change Message Signs shall be remote controlled from the job site via hard wire telephone, cell phone and/or radio.

**652.8 Basis of Payment** This entire Subsection is revised to read:

Maintenance of traffic control devices will be paid for at the contract lump sum price. Payment will be full compensation for the Traffic Control Plan, channelization devices including night lighting, removing and resetting channelization devices, removal of pavement marking, temporary pavement marking lines, removal of temporary pavement markings and restoring the original pavement markings in areas with no new pavement and maintenance thereof.

Maintenance of signs includes: replacing devices damaged, lost, or stolen; and cleaning and moving as many times as necessary throughout the life of the contract, regardless whether the work areas or projects are geographically separated or not separated.

The following related work will be paid for under their respective contract bid items:

- Temporary Concrete Barriers
- Work Zone Crash Cushions
- Permanent Pavement Markings

- Temporary Traffic Signal
- Flaggers
- Portable – Change Message Signs
- Traffic Officers

Work Zone Crash Cushion payment will be limited to the maximum number of units used for the contract at one time, regardless of the duration of the project, except that additional payment will be made for units damaged and replaced.

Partial payments for Maintenance of Traffic Control Devices will be made as follows:

(a) After the Traffic Control Plan is submitted and approved, 15% of the amount bid for Maintenance of Traffic Control Devices will be paid.

(b) After the start of the work, 70% of the amount bid for Maintenance of Traffic Control Devices will be paid.

(c) Upon completion of all work on the project, 100% of the amount bid for Maintenance of Traffic Control Devices will be paid.

There will be no payment for work done under this item after the expiration of contract time.

Payment will be made under:

<b>Pay Item</b>		<b>Pay Unit</b>
652.361	Maintenance of Traffic Control Devices	Lump Sum