



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

Paul R. LePage
GOVERNOR

David Bernhardt
COMMISSIONER

June 2, 2016
Subject: Wearing Surface
Rehabilitation
State WIN: 018939.00, 018941.00,
018942.00 & 021963.00
Location: **South Portland**
Amendment No. 1

Dear Sir/Ms:

Make the following changes to the Bid Documents:

REMOVE page 9, "NOTICE TO CONTRACTORS" and **REPLACE** with the attached revised "NOTICE TO CONTRACTORS", 1 page.

REMOVE pages 12 thru 15, "Proposal Schedule of Items" dated 05/16/2016 and **REPLACE** with the attached revised "Proposal Schedule of Items", 4 pages, dated 05/31/2016.

REMOVE pages 16 thru 23, "CONTRACT AGREEMENT, OFFER & AWARD" and **REPLACE** with the attached revised "CONTRACT AGREEMENT, OFFER & AWARD", 8 pages.

INSERT attached "Title Sheet, Location Map, Estimated Quantities & General Notes" 4 pages, after page 29.

REMOVE page 30, "2016 FAIR MINIMUM WAGE RATES" dated 04/29/2016 and **REPLACE** with the attached revised "2016 FAIR MINIMUM WAGE RATES", 1 page, dated 04/29/2016.

REMOVE page 31, "SPECIAL PROVISION SECTION 104, Utilities" dated 05/03/2016 and **REPLACE** with the attached revised "SPECIAL PROVISION SECTION 104, Utilities", 5 pages, dated 05/19/2016.

INSERT attached "SPECIAL PROVISION, SECTION 104, GENERAL RIGHTS & RESPONSIBILITIES, (Road Closure Notification)", 1 page, dated 05/18/2016 after page 36.

INSERT attached "SPECIAL PROVISION, SECTION 105, LIMITATIONS OF OPERATIONS", 1 page, dated 05/13/2016 after page 42.



PRINTED ON RECYCLED PAPER

REMOVE page 43, "SPECIAL PROVISION SECTION 107, TIME (Contract Time)" dated 05/03/2016 and **REPLACE** with the attached revised "SPECIAL PROVISION SECTION 107, TIME (Contract Time)", 1 page, dated 05/25/2016.

REMOVE page 53, "SPECIAL PROVISION SECTION 403, HOT MIX ASPHALT" dated 05/03/2016 and **REPLACE** with the attached revised "SPECIAL PROVISION SECTION 403, HOT MIX ASPHALT", 2 pages, dated 05/19/2016.

Consider this change and information prior to submitting your bid on **June 8, 2016**.

Sincerely,

A handwritten signature in blue ink that reads "George Macdougall". The signature is written in a cursive style with a large initial "G".

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

**STATE OF MAINE DEPARTMENT OF TRANSPORTATION
NOTICE TO CONTRACTORS**

Sealed Bids addressed to the Maine Department of Transportation, Augusta, Maine 04333 and endorsed on the wrapper "Bids for Wearing Surface Rehabilitation projects in the city of **SOUTH PORTLAND**" and will be received from contractors at the Reception Desk, Maine DOT Building, Capitol Street, Augusta, Maine, until 11:00 o'clock A.M. (prevailing time) on June 8, 2016 and at that time and place publicly opened and read. Bids will be accepted from all bidders. The lowest responsive bidder must have completed, or successfully complete, a bridge, highway, or project specific prequalification to be considered for the award of this contract. We now accept electronic bids for those bid packages posted on the bidx.com website. Electronic bids do not have to be accompanied by paper bids. Please note: the Department will accept a facsimile of the bid bond; however, the original bid bond must then be received at the MDOT Contract Section within 72 hours of the bid opening. Until further notice, dual bids (one paper, one electronic) will be accepted, with the paper copy taking precedence.

Description: State Project No. 018939.00, 018941.00, 018942.00, 018943.00, and 021963.00

Location: In Cumberland County, Route 1 Connector Bridge (No. 6256) over Broadway Street on the Route 1 connector ramp. Route 1 Connector Bridge (No. 6257) over Broadway approximately 0.36 mile southerly of Interstate 295 southbound. Railroad Overpass Bridge (No. 6198) over Portland Terminal Railroad & Interstate 295 northbound ramp approximately 0.11 mile northerly of Route 1. Route 1 Connector Bridge (No. 6258) over Broadway on the Route 1 connector ramp. Route 1 Connector South Bound Bridge (No. 1502) over Maine Turnpike approach approximately 1 mile southerly of Interstate 295.

Scope of Work: Bridge Wearing Surface replacement projects plus other incidental work.

For general information regarding Bidding and Contracting procedures, contact George Macdougall at (207) 624-3410. Our webpage at <http://www.maine.gov/mdot/contractors/> contains a copy of the Schedule of Items, Plan Holders List, written portions of bid amendments, drawings, bid results and an electronic form for RFI submittal. For Project-specific information fax all questions to Project Manager Mark Parlin at (207) 624-3431, use electronic RFI form or email questions to RFI-Contracts.MDOT@maine.gov, project name and identification number should be in the subject line. Questions received after 12:00 noon of Monday prior to bid date will not be answered. Bidders shall not contact any other Departmental staff for clarification of Contract provisions, and the Department will not be responsible for any interpretations so obtained. TTY users call Maine Relay 711.

Plans, specifications and bid forms may be seen at the Maine DOT Building in Augusta, Maine and at the Department of Transportation's Regional Office in Scarborough. They may be purchased from the Department between the hours of 8:00 a.m. to 4:30 p.m. by cash, credit card (Visa/Mastercard) or check payable to Treasurer, State of Maine sent to Maine Department of Transportation, Attn.: Mailroom, 16 State House Station, Augusta, Maine 04333-0016. They also may be purchased by telephone at (207) 624-3536 between the hours of 8:00 a.m. to 4:30 p.m. Full size plans \$25.00 (\$28.50 by mail). Half size plans \$12.50 (\$14.75 by mail), Bid Book \$10 (\$13 by mail), payment in advance, all non-refundable.

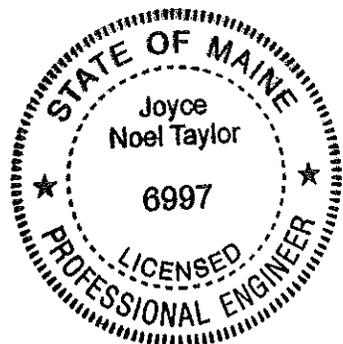
Each Bid must be made upon blank forms provided by the Department and must be accompanied by a bid bond at 5% of the bid amount or an official bank check, cashier's check, certified check, certificate of deposit, or United States postal money order in the amount of \$25,000.00 payable to Treasurer, State of Maine as a Bid guarantee. A Contract Performance Surety Bond and a Contract Payment Surety Bond, each in the amount of 100 percent of the Contract price, will be required of the successful Bidder.

This Contract is subject to all applicable State Laws.

All work shall be governed by "State of Maine, Department of Transportation, Standard Specifications, November 2014 Edition", price \$10 [\$15 by mail], and Standard Details, November 2014 Edition, price \$10 [\$15 by mail]. They also may be purchased by telephone at (207) 624-3536 between the hours of 8:00 a.m. to 4:30 p.m. Standard Detail updates can be found at <http://www.maine.gov/mdot/contractors/publications/>.

The right is hereby reserved to the Maine DOT to reject any or all bids.

Augusta, Maine
May 18, 2016




JOYCE NOEL TAYLOR P.E.
CHIEF ENGINEER

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018939.00

Project(s): 018939.00, 018941.00, 018942.00,
018943.00, 021963.00

SECTION: 1 PROJECT ITEMS

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	202.202 REMOVING PAVEMENT SURFACE	6,617.000 SY	_____	 _____	_____	 _____
0020	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	551.000 T	_____	 _____	_____	 _____
0030	403.211 HOT MIX ASPHALT (SHIMMING)	39.000 T	_____	 _____	_____	 _____
0040	403.213 HOT MIX ASPHALT 12.5 MM BASE	29.000 T	_____	 _____	_____	 _____
0050	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	384.000 T	_____	 _____	_____	 _____
0060	409.15 BITUMINOUS TACK COAT - APPLIED	390.000 G	_____	 _____	_____	 _____
0070	502.70 BRIDGE DRAINS	3.000 EA	_____	 _____	_____	 _____
0080	507.30 ALUMINUM RAIL BAR SPLICE RETROFIT	209.000 EA	_____	 _____	_____	 _____
0090	507.31 ALUMINUM BRIDGE RAIL SPLICE INSPECTION	LUMP SUM		 LUMP SUM	_____	 _____
0100	508.14 HIGH PERFORMANCE WATERPROOFING MEMBRANE	LUMP SUM		 LUMP SUM	_____	 _____
0110	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM		 LUMP SUM	_____	 _____

Maine Department of Transportation

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018943.00, 021963.00

SECTION: 1 PROJECT ITEMS

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
0120	518.391 REPAIRING GRANITE CURB JOINT AND BEDDING MORTAR	1,065.000 LF	_____	 _____	_____	 _____
0130	518.50 REPAIR OF UPWARD FACING SURFACES - TO REINFORCING STEEL < 7.9 IN.	1,888.000 SF	_____	 _____	_____	 _____
0140	518.51 REPAIR OF UPWARD FACING SURFACES - BELOW REINFORCING STEEL < 7.9 IN.	809.000 SF	_____	 _____	_____	 _____
0150	518.60 REPAIR OF VERTICAL SURFACES < 7.9 IN.	10.000 SF	_____	 _____	_____	 _____
0160	518.70 REPAIR OF OVERHEAD SURFACES < 7.9 IN.	10.000 SF	_____	 _____	_____	 _____
0170	520.241 BRIDGE JOINT MODIFICATION TYPE 1	1.000 EA	_____	 _____	_____	 _____
0180	520.242 BRIDGE JOINT MODIFICATION TYPE 2	1.000 EA	_____	 _____	_____	 _____
0190	520.243 BRIDGE JOINT MODIFICATION TYPE 3	1.000 EA	_____	 _____	_____	 _____
0200	520.244 BRIDGE JOINT MODIFICATION TYPE 4	1.000 EA	_____	 _____	_____	 _____
0210	520.245 BRIDGE JOINT MODIFICATION TYPE 5	1.000 EA	_____	 _____	_____	 _____
0220	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM	_____	 LUMP SUM	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

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018943.00, 021963.00

SECTION: 1 PROJECT ITEMS

Alt Set ID:

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Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0230	526.3401 PERMANENT CONCRETE TRANSITION BARRIER - MODIFIED	2.000 EA	_____	 _____	_____	 _____
0240	527.34 WORK ZONE CRASH CUSHIONS	2.000 UN	_____	 _____	_____	 _____
0250	606.1721 BRIDGE TRANSITION - TYPE 1	2.000 EA	_____	 _____	_____	 _____
0260	627.744 6" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	5,104.000 LF	_____	 _____	_____	 _____
0270	627.77 REMOVING PAVEMENT MARKINGS	400.000 SF	_____	 _____	_____	 _____
0280	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	19,077.000 LF	_____	 _____	_____	 _____
0290	629.05 HAND LABOR, STRAIGHT TIME	50.000 HR	_____	 _____	_____	 _____
0300	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	32.000 HR	_____	 _____	_____	 _____
0310	631.11 AIR TOOL (INCLUDING OPERATOR)	32.000 HR	_____	 _____	_____	 _____
0320	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0330	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

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018943.00, 021963.00

SECTION: 1 PROJECT ITEMS

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
0340	652.30 FLASHING ARROW BOARD	2.000 EA	_____	 _____	_____	 _____
0350	652.312 TYPE III BARRICADE	12.000 EA	_____	 _____	_____	 _____
0360	652.33 DRUM	207.000 EA	_____	 _____	_____	 _____
0370	652.35 CONSTRUCTION SIGNS	897.000 SF	_____	 _____	_____	 _____
0380	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	172.000 CD	_____	 _____	_____	 _____
0390	652.381 TRAFFIC OFFICER	100.000 HR	_____	 _____	_____	 _____
0400	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	6.000 EA	_____	 _____	_____	 _____
0410	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
0420	659.10 MOBILIZATION	LUMP SUM		 LUMP SUM	_____	 _____
Section: 1			Total:		_____	 _____
			Total Bid:		_____	 _____

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, WIN 018939.00, 018941.00, 018942.00, 018943.00, and 021963.00, for the Wearing Surface Replacement Projects in the city of South Portland, County of Cumberland, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before November 5, 2016. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, November 2014 Edition and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is _____

_____ Performance Bond and Payment Bond each being 100% of the amount of this Contract.

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, November 2014 Edition, Standard Details November 2014 Edition as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications November 2014 Edition, Standard Details November 2014 Edition as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **WIN 018939.00, 018941.00, 018942.00, 018943.00, and 021963.00 Wearing Surface Replacement Projects plus other incidental work**, State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, November 2014 Edition, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the Standard Specifications November 2014 Edition and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Fifth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: David Bernhardt, Commissioner

Witness

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street, Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of _____, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, WIN 018939.00, 018941.00, 018942.00, 018943.00, and 021963.00, for the Wearing Surface Replacement Projects in the city of South Portland, County of Cumberland, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before November 5, 2016. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, November 2014 Edition and related Special Provisions.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is _____

_____ Performance Bond and Payment Bond each being 100% of the amount of this Contract.

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, November 2014 Edition, Standard Details November 2014 Edition as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications November 2014 Edition, Standard Details November 2014 Edition as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **WIN 018939.00, 018941.00, 018942.00, 018943.00, and 021963.00 Wearing Surface Replacement Projects plus other incidental work**, State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, November 2014 Edition, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the Standard Specifications November 2014 Edition and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Fifth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: David Bernhardt, Commissioner

Witness

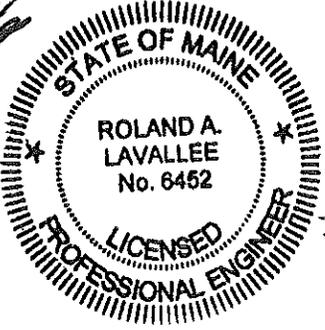
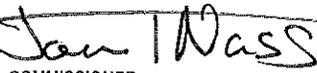
**STATE OF MAINE
DEPARTMENT OF TRANSPORTATION**

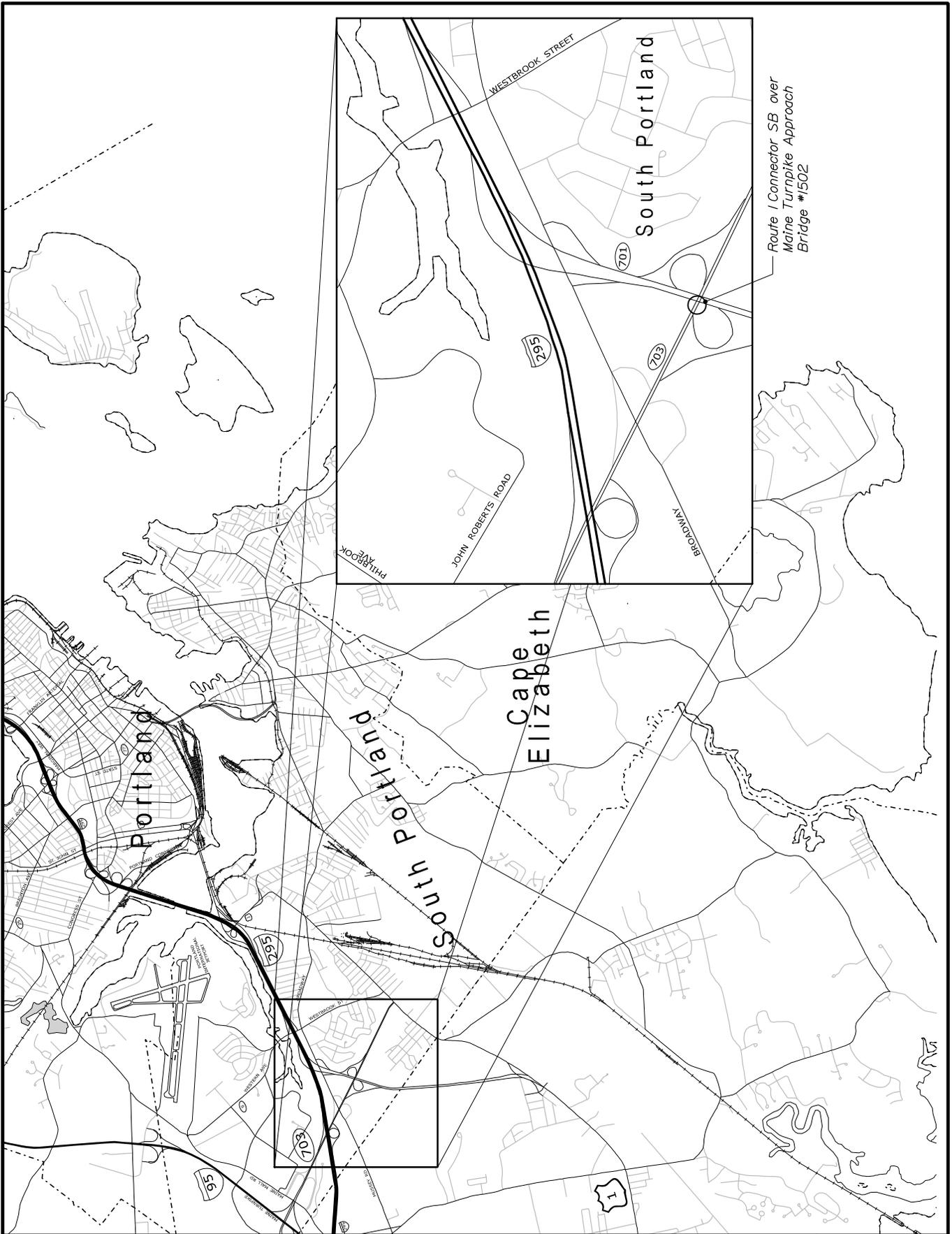


**SOUTH PORTLAND
CUMBERLAND COUNTY
ROUTE 1 CONNECTOR SB
OVER
MAINE TURNPIKE APPROACH
WIN 21963.00**

**PROJECT LENGTH 0.05 Mile
WEARING SURFACE REPLACEMENT
BRIDGE NO. 1502**

LOCATION: 43°37'25.8" N, 70°19'11.4" W

 <small>SIGNATURE</small>		STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
		APPROVED	DATE
6452 <small>P.E. NUMBER</small>		 <small>COMMISSIONER</small>	6-1-16
5/19/16 <small>DATE</small>		 <small>CHIEF ENGINEER</small>	5-31-16
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SOUTH PORTLAND CUMBERLAND COUNTY		SHEET NUMBER 1
21963.00	TITLE SHEET		OF 4



Route 1 Connector SB over
Maine Turnpike Approach
Bridge #1502

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SOUTH PORTLAND
CUMBERLAND COUNTY

SHEET NUMBER
2

BRIDGE NO. 1502
21963.00

LOCATION MAP

OF 4

ESTIMATED BRIDGE QUANTITIES		
ITEM NO.	DESCRIPTION	TOTAL UNIT
202.202	Removing Pavement Surface	1,393 SY
403.2081	Hot Mix Asphalt - 12.5 mm Nominal Maximum Size (Polymer Modified)	116 TON
409.15	Bituminous Tack Coat, Applied	70 GAL
627.744	6" White or Yellow Painted Pavement Marking Line	1,203 LF
*629.05	Hand Labor, Straight Time	10 HR
*631.172	Truck-Large (Including Operator)	4 HR
652.312	Type III Barricade	6 EA
652.33	Drum	39 EA
652.35	Construction Signs	43 SF
652.36	Maintenance of Traffic Control Devices	3 CD
*652.381	Traffic Officers	20 HR
652.41	Portable-Changeable Message Sign	3 EA
656.75	Temporary Soil Erosion and Water Pollution Control	1 LS
659.10	Mobilization	1 LS

Notes:

1. Estimated Quantities for each bridge are provided here for reference purposes only.
2. Items marked with an "*" are assumed quantities in undetermined locations.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SOUTH PORTLAND
CUMBERLAND COUNTY

SHEET NUMBER

3

BRIDGE NO. 1502
21963.00

ESTIMATED QUANTITIES

OF 4

MAINTENANCE OF TRAFFIC

At least one 14'-0" lane of traffic shall be maintained using phased construction. The on-ramp from Broadway and the off-ramp to the Maine Turnpike Approach Road shall be closed to traffic during construction.

SCOPE OF WORK

- 1. Mill the bridge deck and 25 feet of each approach, to a depth of 1.5". Milling shall extend the full width of the bridge deck and approach roadway.
- 2. Pave all milled areas with 1.5" of hot mix asphalt.

CONSTRUCTION PHASING

- 1. All traffic control shall be in accordance with the Manual for Uniform Traffic Control Devices for Streets and Highways, USDOT, FHWA, Latest Edition
- 2. Contractor shall provide one 14 foot travel lane minimum in all work zones, unless otherwise noted on the plans or in the specifications.
- 3. All lanes in long term lane closures and work zones shall be delineated with temporary pavement markings or temporary raised pavement markings. Temporary raised pavement markings shall only be used when approved by the Resident.
- 4. Contractor shall avoid lane widths in excess of 15'-0" unless approved by the Resident.
- 5. Contractor shall install longitudinal pavement joints at crown lines or lane lines.

UTILITIES

- 1. Utilities in this contract are listed in Special Provision Section 104, Utilities.
- 2. All utility facilities shall be adjusted by the respective utilities unless otherwise noted. No utility adjustment is anticipated.
- 3. The locations of the existing utilities, bridge wiring and monitoring instruments (i.e. Utilities and Special Equipment) shown on these plans are based on the best available information and are approximate. The Contractor shall verify the location of all existing utilities and special equipment prior to starting work. The Contractor shall protect existing utilities and special equipment during construction and shall provide temporary supports where required by his operations. Temporary supports shall be approved by the utility or special equipment owner prior to their installation and use. The cost of this work shall be considered incidental to the work required under Item 659.10 Mobilization.

GENERAL

1. A temporary ramp shall be constructed with HMA at the ends of the roadway section paved or milled each day. The use of millings or RAP will not allowed, but cold patch may be temporarily utilized until HMA plants are open for the season.

For Interstate Highways or roadways with speed limits exceeding 50 mph, temporary ramps shall be constructed with one foot of length for every 1/8" of transition depth on the leading end, and one foot of length for every 1/4" of transition depth on the trailing end.

For all other roadways with speed limits less than 50 mph, temporary ramps shall be constructed with one foot of length for every 1/4" of transition depth on the leading and the trailing end.

Materials, placement, maintenance, and removal shall be incidental to contract items.

- 2. All joints between existing and proposed hot mix asphalt shall be buffed. Payment shall be made under Item 202.202.
- 3. Any necessary cleaning of existing pavement prior to paving or milling shall be incidental to the related items.
- 4. All spoils, HMA & millings shall be cleaned daily from project to the satisfaction of the Resident prior to the contractor leaving for the shift.
- 5. When milling the lane adjacent to the newly placed pavement, the milling machine shall mill into the newly placed pavement by 3"/- or as directed by the Resident. See Special Provision 400 if wedge joint method is being used.
- 6. "Undetermined Locations" shall be determined by the Resident.
- 7. All work shall be done in accordance with the Maine Department of Transportation's Best Management Practices for Erosion & Sedimentation Control, Latest Edition.
- 8. Milling widths & depths may be adjusted by the Resident.
- 9. No separate payment for superintendent or foreman will be made for the supervision of work paid under equipment rental items, however supervision is required.
- 10. Cleaning of the pavement following rental work will be considered incidental to the rental items. Cleaning will be done daily and to the satisfaction of the Resident prior to the Contractor leaving the project for the shift.

11. Bidders and Contractors may obtain a copy of the existing bridge plans by faxing a request for information to the bid contact person. Existing bridge plans may also be accessed at the web address below. The plans are reproductions of the original drawings as prepared for the construction of the bridges. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge.
<http://www.maine.gov/mdot/contractors/>

State of Maine
Department of Labor
Bureau of Labor Standards
Wage and Hour Division
Augusta, Maine 04333-0045
Telephone (207) 623-7906

Wage Determination - In accordance with 26 MRSA §1301 et. seq., this is a determination by the Bureau of Labor Standards, of the fair minimum wage rate to be paid laborers and workers employed on the below titled project.

Title of Project -----South Portland-Br #1502, 6256, 62857, 6198, & 6258 Wear Surface Replacements plus Other Incidental Work

Location of Project --South Portland, Cumberland County

**2016 Fair Minimum Wage Rates
Heavy and Bridge Cumberland County**

<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Total</u>	<u>Occupation Title</u>	<u>Minimum Wage</u>	<u>Minimum Benefit</u>	<u>Total</u>
Backhoe Loader Operator	\$21.17	\$2.92	\$24.09	Flagger	\$9.00	\$0.00	\$9.00
Blaster Ordinance Handling & Explosives	\$21.00	\$2.72	\$23.72	Grader/Scraper Operator	\$17.50	\$1.04	\$18.54
Boilermaker	\$23.30	\$1.30	\$24.60	Ironworker – Reinforcing	\$21.25	\$0.00	\$21.25
Bricklayer	\$22.00	\$1.57	\$23.57	Ironworker – Structural	\$24.31	\$8.76	\$33.07
Bulldozer Operator	\$17.63	\$3.24	\$20.87	Laborers (Incl. Helpers & Tenders)	\$16.00	\$2.11	\$18.11
Carpenter	\$21.00	\$5.76	\$26.76	Laborer – Skilled	\$20.00	\$4.35	\$24.35
Carpenter – Rough	\$19.75	\$4.82	\$24.57	Line Erector – Power/Cable Splicer	\$32.00	\$6.96	\$38.96
Cement Mason/Finisher	\$19.71	\$4.89	\$24.60	Loader Operator – Front End	\$17.61	\$2.66	\$20.27
Communication Equipment Installer	\$13.99	\$0.36	\$14.35	Mechanic – Maintenance	\$20.25	\$5.61	\$25.86
Comm. Transmission Erector-Microwave/ Cell	\$21.00	\$4.23	\$25.23	Mechanic – Refrigeration	\$22.00	\$3.54	\$25.54
Concrete Pump Operator	\$21.00	\$8.40	\$29.40	Millwright	\$24.38	\$4.57	\$28.95
Crane Operator =>15 Tons	\$24.43	\$6.15	\$30.58	Painter	\$17.63	\$0.00	\$17.63
Crusher Plant Operator	\$15.80	\$3.76	\$19.56	Pile Driver Operator	\$24.31	\$7.32	\$31.63
Diver	\$20.00	\$0.00	\$20.00	Pipe/Steam/Sprinkler Fitter	\$22.50	\$5.73	\$28.23
Driller – Rock	\$20.50	\$3.27	\$23.77	Pipe Layer	\$26.00	\$11.67	\$37.67
Dry-Wall Taper & Finisher	\$21.00	\$1.46	\$22.46	Pump Installer	\$25.00	\$4.67	\$29.67
Earth Auger Operator	\$23.16	\$5.33	\$28.49	Truck Driver – Light	\$15.00	\$0.99	\$15.99
Electrician – Licensed	\$27.00	\$15.49	\$42.49	Truck Driver – Medium	\$15.00	\$0.10	\$15.10
Electrician – Helper/Cable Puller Licensed	\$16.50	\$3.47	\$19.97	Truck Driver – Heavy	\$17.63	\$2.92	\$20.55
Excavator Operator	\$19.06	\$3.94	\$23.00	Truck Driver – Tractor Trailer	\$20.88	\$5.71	\$26.59
Fence Setter	\$15.25	\$1.32	\$16.57				

The Laborer classifications include a wide range of work duties. Therefore, if any specific occupation to be employed on this project is not listed in this determination, call the Bureau of Labor Standards at the above number for further clarification.

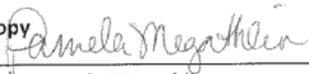
Welders are classified in the trade to which the welding is incidental.

Apprentices - The minimum wage rate for registered apprentices are those set forth in the standards and policies of the Maine State Apprenticeship and Training Council for approved apprenticeship programs.

Posting of Schedule - Posting of this schedule is required in accordance with 26 MRSA §1301 et. seq., by any contractor holding a State contract for construction valued at \$50,000 or more and any subcontractors to such a contractor.

Appeal - Any person affected by the determination of these rates may appeal to the Commissioner of Labor by filing a written notice with the Commissioner stating the specific grounds of the objection within ten (10) days from the filing of these rates with the Secretary of State.

Determination No: HB-026-2016
Filing Date: April 29, 2016
Expiration Date: 12-31-2016

A true copy
Attest: 
Pamela Megathlin
Director
Bureau of Labor Standards

Town: **South Portland (5)**
Project: **18939.00, 18941.00, 18942.00,**
18943.00, 12963.00
Date: **May 19, 2016**

SPECIAL PROVISIONS
SECTION 104
Utilities

UTILITY COORDINATION

The Contractor has primary responsibility for coordinating their work with utilities after Contract Award. The Contractor shall communicate directly with the utilities regarding any utility work necessary to maintain the Contractor's schedule and prevent Project construction delays. The Contractor shall notify the Resident of any issues.

THE CONTRACTOR SHALL PLAN AND CONDUCT WORK ACCORDINGLY.

MEETING

A Preconstruction Utility Conference, as defined in Subsection 104.4.6 of the Standard Specifications **is not** required.

GENERAL INFORMATION

These Special Provisions outline the arrangements that have been made by the Department for utility and/or railroad work to be undertaken in conjunction with this Project. The following list identifies all known utilities or railroads having facilities presently located within the limits of this Project or intending to install facilities during project construction.

Utilities have been notified and will be furnished a project specification.

Temporary utility adjustments are **not** anticipated.

Unless otherwise specified, any underground utility facilities shown on the project plans represent approximate locations gathered from available information. The Department cannot certify the level of accuracy of this data. Underground facilities indicated on the topographic sheets (plan views) have been collected from historical records and/or on-site designations provided by the respective utility companies. Underground facilities indicated on the cross-sections have been carried over from the plan view data and may also include further approximations of the elevations (depths) based upon straight-line interpolation from the nearest manholes, gate valves, or test pits.

All adjustments are to be made by the respective utility/railroad unless otherwise specified herein.

All clearing and tree removal in areas where utilities are involved must be completed before the utilities are able to relocate their facilities.

Fire hydrants shall not be disturbed until all necessary work has been accomplished to provide proper fire protection.

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Utility working days are Monday through Friday. Times are estimated on the basis of a single crew for each utility. Any times and dates mentioned are **estimates only** and are dependent upon favorable weather, working conditions, and freedom from emergencies. The Contractor shall have no claim against the Department if they are exceeded.

Summary: 18943.00 Bridge #6258 over I-295 / I-295 Exit 2 SB

Utility/Railroad	Aerial	Underground	Railroad	Contact	Phone
Portland Water District		X		Ned Pierce	523-5233
MaineDOT		X		Donald McKenna Ron Cote	462-4474 446-2305

Portland Water District has 30” water main crossing under I-295 in the vicinity of the Bridge. No involvement is anticipated.

MaineDOT

MaineDOT has conduit in the bridge deck near the rail on the right side. The contractor shall not damage or interrupt the use of those facilities. Any Damage to the conduit caused by the Contractor’s equipment, personnel, or operation shall be repaired to the satisfaction of the Resident. All work, equipment, and materials required to make repairs shall be at the Contractors expense. No involvement is anticipated.

Summary: 18941.00 / 21963.00 I-295 Exit 2 SB -- Bridge #6257 over Broadway / Bridge #1502 over Maine Turnpike

Utility/Railroad	Aerial	Underground	Railroad	Contact	Phone
Central Maine Power Company	X			Jason Ward	828-2816
Time Warner Cable	X			Chip Deane	415-5286
MaineDOT		X		Donald McKenna Ron Cote	462-4474 446-2305

Central Maine Power Company has aerial facilities located in the vicinity of the bridges. No involvement is anticipated.

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Time Warner Cable has aerial facilities located under the Bridge. No involvement is anticipated.

MaineDOT

MaineDOT has conduit in the bridge deck near the rail on the right side. The contractor shall not damage or interrupt the use of those facilities. Any Damage to the conduit caused by the Contractor's equipment, personnel, or operation shall be repaired to the satisfaction of the Resident. All work, equipment, and materials required to make repairs shall be at the Contractors expense. No involvement is anticipated.

Summary: 18939.00 Bridge #6256 over Broadway / Scarborough Connector On Ramp to I-295 NB

Utility/Railroad	Aerial	Underground	Railroad	Contact	Phone
Time Warner Cable	X			Chip Deane	415-5286

Time Warner Cable has aerial facilities located under the Bridge. No involvement is anticipated.

Summary: 18942.00 Bridge #6198 over Railroad & I-295 Exit 4 NB Off Ramp / South Portland Connector Ramps to I-295 NB & Veterans Bridge

Utility/Railroad	Aerial	Under-ground	Railroad	Contact	Phone
AT&T		X		Alice Coughlan	329-4351
FairPoint		X		Marty Pease	797-1866
MCI		X		Tremain Fernandes	508 248-1309
Portland Pipe Line		X		Randy Hughes	767-0437
Pan Am/ Boston & Maine			X	Shawn Higgins	978 663-1127
MaineDOT		X		Donald McKenna Ron Cote	462-4474 446-2305

Town: **South Portland (5)**
Project: **18939.00, 18941.00, 18942.00,**
18943.00, 12963.00
Date: **May 19, 2016**

AT&T

AT & T has facilities within the FairPoint duct bank hanging/attached under the bridge. The contractor shall not damage or interrupt the use of those facilities. No involvement is anticipated.

FairPoint Communications

FairPoint has conduit hanging/attached under the bridge of the South Portland Connector Ramp to Veterans Bridge. The Contractor shall not damage or interrupt the use of those facilities. No involvement is anticipated.

MCI

MCI has facilities within the FairPoint duct bank hanging/attached under the bridge of the South Portland Connector Ramp to Veterans Bridge. The contractor shall not damage or interrupt the use of those facilities. No involvement is anticipated.

Portland Pipe Line

Portland Pipe Line has pipelines located beneath the Railroad bed and the ramp below the bridge. The Contractor shall contact Randy Hughes prior to beginning work on the bridge so he can coordinate a representative to be present during construction when required. No involvement with the pipelines is anticipated.

Pan Am Railways

Pan Am Railways has facilities located beneath both bridges. The Contractor shall not enter the Railroad Right of Way during construction. Due to the scope of work, no involvement is anticipated.

MaineDOT

MaineDOT has conduit in the sidewalk of the South Portland Connector Ramp to Veterans Memorial Bridge. The contractor shall not damage or interrupt the use of those facilities. Any Damage to the conduit caused by the Contractor's equipment, personnel, or operation shall be repaired to the satisfaction of the Resident. All work, equipment, and materials required to make repairs shall be at the Contractors expense. No involvement is anticipated.

MAINTAINING UTILITY LOCATION MARKINGS

The Contractor will be responsible for maintaining the buried utility location markings following the initial locating by the appropriate utility or their designated representative.

UTILITY SIGNING

Any utility working within the construction limits of this project shall ensure that the traveling public is adequately protected at all times. All work areas shall be signed, lighted, and traffic

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flaggers employed as determined by field conditions. All traffic controls shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways, as issued by the Federal Highway Administration.

SPECIAL PROVISION
SECTION 104
GENERAL RIGHTS & RESPONSIBILITIES
(Road Closure Notification)

Section 104, General Rights and Responsibilities, of the Standard Specifications is amended as follows:

The following provisions apply to the required closure of the on-ramp from Broadway, and the closure of the off-ramp to Route 703 (Maine Turnpike Connector), at Bridge #1502:

104.4.10 Coordination of Road Closure Notification:

Paragraphs 4 and 5 are revised to read as follows:

The Contractor shall notify the following public officials, agencies and organizations approximately thirty days prior to, and then again both ten days before, and the day before the date of the beginning of the closure. The thirty day notice should provide an approximate date and length of closure whereas the ten and one day notices should provide the exact date and the anticipated length of the closure. When the bridge is reopened to traffic, the following list will again be notified. The Contractor shall provide the Department with documentation that the listed public officials, agencies and organizations received the notification at least 3 days prior to placement of advanced warning approach signs.

City\Town Officials (City\Town Manager) of Scarborough, South Portland and Portland
County Sheriff's Department
Scarborough, South Portland and Portland Fire Department
Scarborough, South Portland and Portland Police Department
State Police
Rescue Service
Hospitals:
 Maine Medical Center
 Mercy Hospital
City of South Portland School Systems (including school bus services)
Post Office
Chamber of Commerce
Any Large Employers
Department of Motor Vehicle- Commercial Vehicle Center (207-626-8630)
MaineDOT Maintenance Region Office

All newspaper notices, radio announcements and any notifications will be subject to the approval of the Resident and all costs will be considered incidental to the Contract.

SPECIAL PROVISION
SECTION 105
LIMITATIONS OF OPERATIONS

The Limitations of Operations noted herein apply to all work at Bridge #1502, Route 1 Connector Southbound over Route 703:

1. A construction work zone speed of 45 mph shall be used for this project.
2. At least one lane of traffic shall be maintained through the project area at all times. The minimum roadway width shall be 14'-0".
3. The work at this bridge location shall be completed with the on ramp from Broadway just north of the bridge and the off ramp to Route 703 at the southern end of the bridge closed to traffic. The Contractor shall notify the Resident of ramp closures a minimum of ten calendar days in advance of the planned work. The Contractor shall also set up three portable changeable message signs at the following locations at least ten calendar days in advance of the planned ramp closures:
 - a. One in each direction on Broadway near the on ramp to the Route 1 Connector Southbound
 - b. One on the Route 1 Connector Southbound immediately prior to the off ramp to Route 703

Final locations of the portable changeable message signs shall be as approved by the Resident. The signs shall notify traffic of the planned ramp closures.

4. The Contractor shall plan and complete the work such that the aforementioned on and off ramps are closed for no more than three (3) Calendar Days. The Contractor will be assessed supplemental liquidated damages at the rate of One Thousand Dollars (\$1,000.00) per day for every Calendar Day that either/or both ramps are closed for more than three Calendar Days.
5. The traffic control for the work at this location shall be coordinated with the traffic control in use for Bridge #6258, Route 1 Connector Southbound over I-295, and Bridge #6257, Route 1 Connector Southbound over Broadway.

WIN 18939.00, 18941.00, 18942.00, 18943.00, 21963.00

South Portland

May 25, 2016

SPECIAL PROVISION

SECTION 107

TIME

(Contract Time)

The specified contract completion date is November 5, 2016.

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
<u>3" – Bridge #'s 6198, 6256, 6257 & 6258 Decks</u>						
Wearing	12.5 mm	403.2081	N/A	1½"	1	2,5,8,12,30
Base	12.5 mm	403.2131	N/A	1½"	1	2,5,8,12,30
<u>Bridge #1502 Deck</u>						
Wearing	12.5 mm	403.2081	N/A	1½"	1	2,5,8,12,30
<u>6" – Route 701 SB Approach Travel Way, Shoulders – Full Depth</u>						
Wearing	12.5 mm	403.2081	N/A	1½"	1	5,8,12,30
Base	12.5 mm	403.2131	N/A	1½"	1	5,8,30
Base	12.5 mm	403.213	N/A	3"	2	5,8,13
<u>3" – Route 701 NB & SB Approach Travel Way, Shoulders – Mill & Fill</u>						
Wearing	12.5 mm	403.2081	N/A	1½"	1	5,8,12,30
Base	12.5 mm	403.2131	N/A	1½"	1	5,8,30
<u>4½" – US Route 1, Veterans Bridge & I-295 Approach Travel Way & Shoulders</u>						
<u>Mill & Fill</u>						
Wearing	12.5 mm	403.2081	N/A	1½"	1	5,8,12,30
Base	12.5 mm	403.2131	N/A	3"	2	5,8,30
<u>Shim – As Directed by the Resident</u>						
Shim	9.5 mm	403.211	N/A	Varies	1/more	2,3,10,11,14

COMPLEMENTARY NOTES

2. 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.
3. The design traffic level for mix placed shall be <0.3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **50 gyrations**.
5. 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 **75 gyrations**.
8. Section 106.6 Acceptance, (2) Method B. 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.
12. The combined aggregate gradation required for this item shall be classified as a 12.5mm "**fine graded**" mixture, (using the Primary Control Sieve control point) as defined in 703.09.
13. A mixture meeting the gradation of 19.0 mm hot mix asphalt may be used at the option of the contractor.

South Portland
US Route 1, Route 701
WINS: 018939.00, 018941.00, 018942.00, 018943.00 & 021963.00
Bridge Wearing Surface Replacements & Joint Work
May 19, 2016

14. 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.
30. The required PGAB shall be a storage-stable, pre-blended, homogeneous, polymer modified asphalt binder that meets **PG 64E-28** grading requirements in AASHTO MP 19.

Tack Coat

A tack coat of emulsified asphalt, RS-1 or RS-1h, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.03 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 0.03 gal/yd². Tack used will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.