



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

Paul R. LePage  
GOVERNOR

David Bernhardt  
COMMISSIONER

March 20, 2018  
Subject: Solon Bridge Rehabilitation  
State WIN: 018950.00  
Location: **Emden & Solon**  
**Amendment No. 1**

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

**REMOVE** pages 12 – 19, Proposal Schedule of Items, 8 pages, dated 2/15/2018, and **REPLACE** with the attached, revised Proposal Schedule of Items, 8 pages, dated 3/20/2018.

In the Plan Set:

On Sheet Number 2 of 2, Estimated Quantities, **ADD** Pay Item 523.52 Bearing Installation – 22 EA. Make this change in Pen and Ink.

The following questions have been received:

**Question:** Please furnish the required movement rating for pay item 520.21.

**Response:** The required movement for Pay Item 520.21 is 2.5 inches.

**Question:** Please verify the bid/ estimated quantities in Item 202.120 Remove Existing Superstructure and Item 202.12 Remove Existing Str. Concrete. MDOT's estimated quantity (280CY) for item 202.1 does not include the 430 cy of existing concrete superstructure on steel girders. The quantity in item 201.12 includes the 430 cy of superstructure concrete on steel girders, but does not in removing the existing concrete abutments.

**Response:** Item 202.1 includes the Span 1 and 5 superstructures. Item 202.12 includes all other structural concrete demolition. (Spans 2 thru 5 Deck, Abutment 1 and 2, Abutment 2 Wingwalls, and Pier Demolition).

**Question:** We cannot find the bid quantity of 70 cy of abutment concrete in bid item 502.2. Is the 70 CY quantity correct?

**Response:** The 70 CY is associated with the new Abutment 1 and 2 backwalls and the new Abutment 2 Wingwalls and Bridge Seat.



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**Question:** We cannot find the bid quantity of 6 cy of pier concrete Item 502.23. Is the 6 CY quantity correct?

**Response:** The 6 CY will be used to build up Pier 5 bridge seat (Span 6 side) as necessary to accommodate the new beam elevations.

**Question:** We cannot find any pier modifications to pier #2 thru pier #4, shown on plan sheets 31, 32 & 33.

**Response:** Quantities for Item 518.21 have been estimated based upon a field inspection in the Fall of 2017. Repair locations will be as directed by the Resident. Repairs are anticipated at piers, 2, 3, and 4.

**Question:** The steel cover plates plus the thickness of rivet head over the piers is higher than the 2" theoretical blocking. Please advise?

**Response:** The blocking distance is measured from the top of the 2 angles composing the top flange. The rivet heads over the piers may extend up into the shear stud channel.

**Question:** There is a conflict in Special Provision 102 (Alternate Bridge Deck) between section A) Design Specifications & Guides, and section E) Materials, whereas section A requires a corrosion resistant reinforcing system and section E allows plain reinforcing. Please clarify.

**Response:** Section A of Special Provision 102 is correct. A corrosion resistant reinforcing system is required for the Alternate Bridge Deck option.

**Question:** Currently there is not an item for the cast-in-place (CIP) concrete curb. Is the concrete curb incidental to Item 534.7609 Precast Concrete Deck Panels or should it be its own item? If the CIP curb is its own item, is the curb reinforcing bar incidental to the curb or should the reinforcing bar be a separate item as well?

**Response:** The CIP Curb is incidental to Item 534.7609. All concrete and reinforcement should be included in this item.

**Question:** Is there supposed to be a pay item for 523.52 Bearing Installation? There is not currently an item for bearing installation in the Proposal Schedule of Items.

**Response:** See attached, revised Proposal Schedule of Items. Pay Item 523.52 Bearing Installation has been added.

Consider these changes and information prior to submitting your bid on **March 21, 2018**.

Sincerely,

A handwritten signature in black ink, appearing to read "George M. A. Macdougall", followed by the letters "FOR" in a larger, bold font.

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

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018950.00

Project(s): 018950.00

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	202.10 REMOVING EXISTING SUPERSTRUCTURE (PROPERTY OF CONTRACTOR)	LUMP SUM				
0020	202.12 REMOVING EXISTING STRUCTURAL CONCRETE	430.000 CY				
0030	202.20 REMOVING BITUMINOUS CONCRETE PAVEMENT	600.000 SY				
0040	202.202 REMOVING PAVEMENT SURFACE	1,800.000 SY				
0050	202.203 PAVEMENT BUTT JOINTS	460.000 SY				
0060	203.20 COMMON EXCAVATION	660.000 CY				
0070	203.24 COMMON BORROW	16.000 CY				
0080	203.25 GRANULAR BORROW	140.000 CY				
0090	203.26 GRAVEL BORROW	103.000 CY				
0100	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	132.000 CY				
0110	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	370.000 CY				

## Maine Department of Transportation

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			Dollars	Cents	Dollars	Cents
0120	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	230.000 T	_____	 _____	_____	 _____
0130	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	30.000 T	_____	 _____	_____	 _____
0140	403.211 HOT MIX ASPHALT (SHIMMING)	50.000 T	_____	 _____	_____	 _____
0150	403.213 HOT MIX ASPHALT 12.5 MM BASE	130.000 T	_____	 _____	_____	 _____
0160	409.15 BITUMINOUS TACK COAT - APPLIED	170.000 G	_____	 _____	_____	 _____
0170	502.21 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	70.000 CY	_____	 _____	_____	 _____
0180	502.23 STRUCTURAL CONCRETE PIERS	6.000 CY	_____	 _____	_____	 _____
0190	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	13,024.000 LB	_____	 _____	_____	 _____
0200	503.13 REINFORCING STEEL, PLACING	13,024.000 LB	_____	 _____	_____	 _____
0210	504.701 STRUCTURAL STEEL FABRICATED AND DELIVERED, ROLLED	LUMP SUM		 LUMP SUM	_____	 _____
0220	504.702 STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED	LUMP SUM		 LUMP SUM	_____	 _____
0230	504.71 STRUCTURAL STEEL ERECTION	LUMP SUM		 LUMP SUM	_____	 _____

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			Dollars	Cents	Dollars	Cents
0240	507.0811 STEEL BRIDGE RAILING, 2 BAR	LUMP SUM	LUMP	SUM	_____	_____
0250	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	SUM	_____	_____
0260	518.60 REPAIR OF VERTICAL SURFACES < 8 IN.	221.000 SF	_____	_____	_____	_____
0270	520.21 EXPANSION DEVICE - GLAND SEAL	2.000 EA	_____	_____	_____	_____
0275	523.52 BEARING INSTALLATION	22.000 EA	_____	_____	_____	_____
0280	523.5401 LAMINATED ELASTOMERIC BEARINGS, FIXED	22.000 EA	_____	_____	_____	_____
0290	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM	LUMP	SUM	_____	_____
0300	526.305 TEMPORARY CONCRETE BARRIER, BRACED TYPE 1	LUMP SUM	LUMP	SUM	_____	_____
0310	526.34 PERMANENT CONCRETE TRANSITION BARRIER	4.000 EA	_____	_____	_____	_____
0320	527.34 WORK ZONE CRASH CUSHIONS	4.000 UN	_____	_____	_____	_____
0330	603.179 18 INCH CULVERT PIPE OPTION III	77.000 LF	_____	_____	_____	_____
0340	605.09 6 INCH UNDERDRAIN TYPE B	90.000 LF	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0350	605.10 6 INCH UNDERDRAIN OUTLET	10.000 LF	_____	 _____	_____	 _____
0360	606.1721 BRIDGE TRANSITION - TYPE 1	4.000 EA	_____	 _____	_____	 _____
0370	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	170.000 LF	_____	 _____	_____	 _____
0380	606.231 GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	12.500 LF	_____	 _____	_____	 _____
0390	606.232 GUARDRAIL TYPE 3C - OVER 15 FOOT RADIUS	75.000 LF	_____	 _____	_____	 _____
0400	606.259 ANCHORAGE ASSEMBLY	1.000 EA	_____	 _____	_____	 _____
0410	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	4.000 EA	_____	 _____	_____	 _____
0420	606.356 UNDERDRAIN DELINEATOR POST	1.000 EA	_____	 _____	_____	 _____
0430	606.79 GUARDRAIL 350 FLARED TERMINAL	3.000 EA	_____	 _____	_____	 _____
0440	610.08 PLAIN RIPRAP	400.000 CY	_____	 _____	_____	 _____
0450	610.18 STONE DITCH PROTECTION	10.000 CY	_____	 _____	_____	 _____
0460	613.319 EROSION CONTROL BLANKET	60.000 SY	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0470	615.07 LOAM	75.000 CY	_____	 _____	_____	 _____
0480	618.14 SEEDING METHOD NUMBER 2	7.000 UN	_____	 _____	_____	 _____
0490	618.141 SEEDING METHOD NUMBER 3	6.000 UN	_____	 _____	_____	 _____
0500	619.12 MULCH	13.000 UN	_____	 _____	_____	 _____
0510	619.14 EROSION CONTROL MIX	75.000 CY	_____	 _____	_____	 _____
0520	620.58 EROSION CONTROL GEOTEXTILE	500.000 SY	_____	 _____	_____	 _____
0530	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	13,200.000 LF	_____	 _____	_____	 _____
0540	627.77 REMOVING PAVEMENT MARKINGS	240.000 SF	_____	 _____	_____	 _____
0550	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	30,100.000 LF	_____	 _____	_____	 _____
0560	627.812 TEMP. BI-DIRECTIONAL WHITE DELINEATORS	75.000 EA	_____	 _____	_____	 _____
0570	629.05 HAND LABOR, STRAIGHT TIME	160.000 HR	_____	 _____	_____	 _____
0580	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	160.000 HR	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0590	631.11 AIR TOOL (INCLUDING OPERATOR)	96.000 HR	_____	 _____	_____	 _____
0600	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	64.000 HR	_____	 _____	_____	 _____
0610	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	80.000 HR	_____	 _____	_____	 _____
0620	631.21 ROAD BROOM (INCLUDING OPERATORS AND HAULER)	40.000 HR	_____	 _____	_____	 _____
0630	637.071 DUST CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
0640	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____
0650	643.72 TEMPORARY TRAFFIC SIGNAL	LUMP SUM		 LUMP SUM	_____	 _____
0660	645.113 REINSTALL GUIDE SIGN	9.000 EA	_____	 _____	_____	 _____
0670	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	8.000 EA	_____	 _____	_____	 _____
0680	652.30 FLASHING ARROW BOARD	2.000 EA	_____	 _____	_____	 _____
0690	652.33 DRUM	45.000 EA	_____	 _____	_____	 _____
0700	652.34 CONE	80.000 EA	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0710	652.35 CONSTRUCTION SIGNS	140.000 SF	_____	 _____	_____	 _____
0720	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	_____	 LUMP SUM	_____	 _____
0730	652.38 FLAGGER	200.000 HR	_____	 _____	_____	 _____
0740	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	3.000 EA	_____	 _____	_____	 _____
0750	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	_____	 LUMP SUM	_____	 _____
0760	659.10 MOBILIZATION	LUMP SUM	_____	 LUMP SUM	_____	 _____
<b>Section: 1</b>			<b>Total:</b>		_____	 _____

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Proposal Schedule of Items

Proposal ID: 018950.00

Project(s): 018950.00

SECTION: 2 PRECAST DECK

Alt Set ID: AL Alt Mbr ID: 1

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0770	502.291 SAW CUT GROOVING	LUMP SUM				
0780	502.44 STRUCTURAL CONCRETE WEARING SURFACE ON BRIDGES	160.000 CY				
0790	505.08 SHEAR CONNECTORS	LUMP SUM				
0800	534.7609 FULL DEPTH PRECAST CONCRETE DECK PANELS	LUMP SUM				
<b>Section: 2</b>			<b>Total:</b>			

SECTION: 3 CAST IN PLACE DECK

Alt Set ID: AL Alt Mbr ID: 2

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0810	531.51 BRIDGE STRUCTURE - DETAIL BUILD	LUMP SUM				
<b>Section: 3</b>			<b>Total:</b>			
			<b>Total Bid:</b>			