



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

Paul R. LePage  
GOVERNOR

David Bernhardt  
COMMISSIONER

May 22, 2018  
Subject: Lisbon Center Bridge  
Replacement  
State WIN: 018970.00  
Location: **Lisbon**  
**Amendment No. 4**

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 5/15/2018 (from Amendment #2), and **REPLACE** with the attached, revised Proposal Schedule of Items, 8 pages, dated 5/21/2018.

**REMOVE** pages 49 – 53, SPECIAL PROVISION - SECTION 203 - EXCAVATION AND EMBANKMENT - (DREDGE MANAGEMENT), 5 pages, dated March 20, 2018, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 203 - EXCAVATION AND EMBANKMENT - (DREDGE MANAGEMENT), 4 pages, dated May 22, 2018.

In the Plan Set:

On SHEET NUMBER 2 OF 53, ESTIMATED QUANTITIES, **DELETE** Item No. 203.2341 – Disposal of Contaminated Soil. **ADD** Item No. 203.2318 – Disposal of Special Waste. Make these changes in pen and ink.

The following question has been received:

**Question:** After review of the DEP documents dealing with the Contaminated Soil referenced in SP 203 Excavation and Embankment (Dredge Management); it is still unclear what the levels of mercury are in the dredge excavation areas associated with this project (Bridge removal and roadway limits). To be fair and remove the risk, this item would be better handled under Section 109 on a Time and Materials basis, unless further clarified by the Department. Would the Department consider changing the requirements to this type of approach on this item?

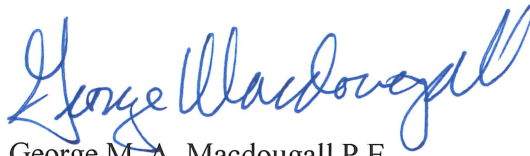


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**Response:** See above changes to Special Provision 203, Schedule of Items and Estimated Quantities Sheet.

Consider these changes and information prior to submitting your bid on **May 23, 2018**.

Sincerely,



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

## Maine Department of Transportation

## Proposal Schedule of Items

Proposal ID: 018970.00

Project(s): 018970.00

SECTION: 1 Main 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	202.15 REMOVING MANHOLE OR CATCH BASIN	2.000 EA	_____	 _____	_____	 _____
0020	202.19 REMOVING EXISTING BRIDGE	LUMP SUM	LUMP SUM		_____	 _____
0030	202.202 REMOVING PAVEMENT SURFACE	100.000 SY	_____	 _____	_____	 _____
0040	203.20 COMMON EXCAVATION	500.000 CY	_____	 _____	_____	 _____
0050	203.2312 HEALTH AND SAFETY PLAN	LUMP SUM	LUMP SUM		_____	 _____
0060	203.2318 DISPOSAL OF SPECIAL WASTE	210.000 T	_____	 _____	_____	 _____
0070	203.24 COMMON BORROW	150.000 CY	_____	 _____	_____	 _____
0080	203.25 GRANULAR BORROW	500.000 CY	_____	 _____	_____	 _____
0090	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	50.000 CY	_____	 _____	_____	 _____
0100	206.082 STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	1,400.000 CY	_____	 _____	_____	 _____
0110	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	480.000 CY	_____	 _____	_____	 _____
0120	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	103.000 T	_____	 _____	_____	 _____

Maine Department of Transportation

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			Dollars	Cents	Dollars	Cents
0130	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	30.000 T	_____	 _____	_____	 _____
0140	403.213 HOT MIX ASPHALT 12.5 MM BASE	160.000 T	_____	 _____	_____	 _____
0150	409.15 BITUMINOUS TACK COAT - APPLIED	50.000 G	_____	 _____	_____	 _____
0160	502.219 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS	LUMP SUM		 LUMP SUM	_____	 _____
0170	502.22 STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS (PLACED UNDER WATER)	340.000 CY	_____	 _____	_____	 _____
0180	502.261 STRUCTURAL CONCRETE ROADWAY & SIDEWALK SLAB ON CONCRETE BRIDGE	LUMP SUM		 LUMP SUM	_____	 _____
0190	502.291 SAW CUT GROOVING	LUMP SUM		 LUMP SUM	_____	 _____
0200	502.49 STRUCTURAL CONCRETE CURBS AND SIDEWALKS	LUMP SUM		 LUMP SUM	_____	 _____
0210	503.12 REINFORCING STEEL, FABRICATED AND DELIVERED	17,700.000 LB	_____	 _____	_____	 _____
0220	503.13 REINFORCING STEEL, PLACING	17,700.000 LB	_____	 _____	_____	 _____
0230	503.26 STAINLESS STEEL REINFORCEMENT - FABRICATED & DELIVERED	10,700.000 LB	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0240	503.27 STAINLESS STEEL REINFORCEMENT - PLACING	10,700.000 LB	_____	 _____	_____	 _____
0250	507.0821 STEEL BRIDGE RAILING, 3 BAR	LUMP SUM	LUMP	 SUM	_____	 _____
0260	507.0831 STEEL BRIDGE RAILING, 4 BAR	LUMP SUM	LUMP	 SUM	_____	 _____
0270	511.07 COFFERDAM: ABUT NO.1	LUMP SUM	LUMP	 SUM	_____	 _____
0280	511.07 COFFERDAM: ABUT NO.2	LUMP SUM	LUMP	 SUM	_____	 _____
0290	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA	_____	 _____	_____	 _____
0300	515.21 PROTECTIVE COATING FOR CONCRETE SURFACES	LUMP SUM	LUMP	 SUM	_____	 _____
0310	523.52 BEARING INSTALLATION	8.000 EA	_____	 _____	_____	 _____
0320	523.5402 LAMINATED ELASTOMERIC BEARINGS, EXPANSION	8.000 EA	_____	 _____	_____	 _____
0330	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM	LUMP	 SUM	_____	 _____
0340	526.34 PERMANENT CONCRETE TRANSITION BARRIER	4.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

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			Dollars	Cents	Dollars	Cents
0350	530.30 GFRP, REINFORCEMENT BARS, FABRICATED & DELIVERED	23,400.000 LF	_____	 _____	_____	 _____
0360	530.31 GFRP, REINFORCEMENT BARS, PLACING	23,400.000 LF	_____	 _____	_____	 _____
0370	535.61 PRESTRESSED STRUCTURAL CONCRETE I-GIRDERS	LUMP SUM		 LUMP SUM	_____	 _____
0380	603.179 18 INCH CULVERT PIPE OPTION III	136.000 LF	_____	 _____	_____	 _____
0390	604.092 CATCH BASIN TYPE B1-C	2.000 EA	_____	 _____	_____	 _____
0400	604.2402 BEHIND CURB CATCH BASIN	2.000 EA	_____	 _____	_____	 _____
0410	604.262 CATCH BASIN TYPE B5-C	2.000 EA	_____	 _____	_____	 _____
0420	605.09 6 INCH UNDERDRAIN TYPE B	150.000 LF	_____	 _____	_____	 _____
0430	605.11 12 INCH UNDERDRAIN TYPE C	170.000 LF	_____	 _____	_____	 _____
0440	605.12 15 INCH UNDERDRAIN TYPE C	130.000 LF	_____	 _____	_____	 _____
0450	606.1721 BRIDGE TRANSITION - TYPE 1	3.000 EA	_____	 _____	_____	 _____
0460	606.1721 BRIDGE TRANSITION - TYPE 1 Modified	1.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0470	606.23 GUARDRAIL TYPE 3C - SINGLE RAIL	37.500 LF	_____	_____	_____	_____
0480	606.231 GUARDRAIL TYPE 3C - 15 FOOT RADIUS AND LESS	25.000 LF	_____	_____	_____	_____
0490	606.2591 ANCHORAGE ASSEMBLY FOR DRIVEWAY RADIUS	1.000 EA	_____	_____	_____	_____
0500	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	1.000 EA	_____	_____	_____	_____
0510	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	6.000 EA	_____	_____	_____	_____
0520	606.78 LOW VOLUME GUARDRAIL END - TYPE 3	2.000 EA	_____	_____	_____	_____
0530	607.24 REMOVE AND RESET FENCE	30.000 LF	_____	_____	_____	_____
0540	608.26 CURB RAMP DETECTABLE WARNING FIELD	10.000 SF	_____	_____	_____	_____
0550	609.31 CURB TYPE 3	500.000 LF	_____	_____	_____	_____
0560	610.08 PLAIN RIPRAP	190.000 CY	_____	_____	_____	_____
0570	610.18 STONE DITCH PROTECTION	4.000 CY	_____	_____	_____	_____
0580	613.319 EROSION CONTROL BLANKET	41.000 SY	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0590	615.07 LOAM	34.000 CY	_____	 _____	_____	 _____
0600	618.14 SEEDING METHOD NUMBER 2	4.000 UN	_____	 _____	_____	 _____
0610	618.141 SEEDING METHOD NUMBER 3	3.000 UN	_____	 _____	_____	 _____
0620	619.12 MULCH	7.000 UN	_____	 _____	_____	 _____
0630	619.14 EROSION CONTROL MIX	34.000 CY	_____	 _____	_____	 _____
0640	620.58 EROSION CONTROL GEOTEXTILE	290.000 SY	_____	 _____	_____	 _____
0650	620.661 DRAINAGE GEOCOMPOSITE INSTALLATION	130.000 SY	_____	 _____	_____	 _____
0660	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	550.000 LF	_____	 _____	_____	 _____
0670	629.05 HAND LABOR, STRAIGHT TIME	50.000 HR	_____	 _____	_____	 _____
0680	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____
0690	631.14 GRADER (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____
0700	631.15 ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR )	25.000 HR	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0710	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____
0720	631.231 CRANE, 45 TON CAPACITY (INCLUDING OPERATOR) for gas line work only	100.000 HR	_____	 _____	_____	 _____
0730	637.071 DUST CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
0740	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	 _____	_____	 _____
0750	652.312 TYPE III BARRICADE	8.000 EA	_____	 _____	_____	 _____
0760	652.33 DRUM	25.000 EA	_____	 _____	_____	 _____
0770	652.34 CONE	25.000 EA	_____	 _____	_____	 _____
0780	652.35 CONSTRUCTION SIGNS	240.000 SF	_____	 _____	_____	 _____
0790	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM		 LUMP SUM	_____	 _____
0800	652.38 FLAGGER	240.000 HR	_____	 _____	_____	 _____
0810	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
0820	659.10 MOBILIZATION	LUMP SUM		 LUMP SUM	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0830	822.363 12 INCH CLASS 52 DUCTILE IRON PIPE	400.000 LF	_____	 _____	_____	 _____
0840	827.33 TRENCH INSULATION	100.000 LF	_____	 _____	_____	 _____
0850	827.362 GAS MAIN TRENCHING	400.000 LF	_____	 _____	_____	 _____
0860	830.10 WATER MAIN BRIDGE CROSSING	LUMP SUM		LUMP SUM	_____	 _____
0870	830.16 GAS MAIN BRIDGE CROSSING HANGER SYSTEM	LUMP SUM		LUMP SUM	_____	 _____
0880	890.01 SPECIAL WORK #1 WATER CONNECTION NO.1	LUMP SUM		LUMP SUM	_____	 _____
0890	890.021 SPECIAL WORK #2 WATER CONNECTION NO.2	LUMP SUM		LUMP SUM	_____	 _____
<b>Section: 1</b>			<b>Total:</b>		_____	 _____
			<b>Total Bid:</b>		_____	 _____

**SPECIAL PROVISION  
SECTION 203  
EXCAVATION AND EMBANKMENT  
(DREDGE MANAGEMENT)**

General. The work under this specification, shall be performed in conformance with all the procedures and requirements described herein for the following activities: mercury contaminated dredge handling, temporary stockpiling, transportation, storage and disposal and, contaminated water handling, storage, treatment and disposal. This specification also addresses contaminated dredge location, identification, and classification. The intent of this specification is to ensure that any contaminated dredge and/or water encountered during construction will be managed in a manner that protects worker health and safety, public welfare and the environment.

Environmental Site Conditions. The Maine Department of Transportation's Office of Safety and Compliance (MaineDOT's-OSC.) has conducted a series of assessments related to the Lisbon Center Bridge Construction Project. An initial Phase I Environmental Assessment for the project area was completed to obtain a general understanding of the environmental conditions along the project corridor. The Phase I Assessment included a review of relevant Maine Department of Environmental Protection's (MaineDEP's) and Environmental Protection Agency's (EPA's) databases and field reconnaissance of the project area. During a review of the data, it was determined that the dredge in the river was contaminated with mercury due to releases to the environment from a former mill located adjacent to the bridge. Based on this work by others, it was determined that the dredge was contaminated and would have be properly disposed of at a MDEP approved facility.

Identified Area of Contamination. MaineDOT's-OSC investigation identified the dredge as being impacted with mercury. Laboratory results of samples taken by others of the dredge indicated concentrations of Mercury that is associated with past uses of the former mill located adjacent to the bridge. These concentrations define the dredge as potential special or hazardous waste, per State remedial guidelines.

Identifying and Screening Contaminated Dredge and Groundwater. Excavated dredge will be considered impacted with mercury.

Handling and Disposition of Soil Materials. The **Dredge** excavated during construction shall be handled as follows:

- Dredge shall not be excavated without prior approval by the Resident. The Contractor shall arrange and undertake disposal of all dredge at a landfill or treatment facility licensed to accept mercury impacted dredge. The Contractor is responsible for all testing required by the receiving facility. If the Contractor proposes other disposal or treatment options, the Contractor is solely responsible for obtaining the associated permits and approvals from all relevant Municipal, State, and Federal agencies at no additional cost to the State.

The Resident is responsible for signing any manifests or bills of lading required to transport and dispose of mercury impacted soil. The Resident will send all manifests and bills of lading to MaineDOT, Environmental Office, Station 16, Augusta, Maine 04333.

Secured Stockpile Area - Materials.

- A. Polyethylene. Polyethylene used for liner in the Secured Stockpile Area shall have a minimum of 20-mil thickness and shall meet the requirements of ASTM D3020.
- B. Common Borrow. Fill used in the construction of the Temporary Secured Stockpile Area soil berm shall consist of Common Borrow and meet the requirements of Section 703.18
- C. Concrete Barriers. Concrete barriers to form the sides of the Temporary Secured Stockpile Area shall meet the requirements of Standard Specification Sections 526, Concrete Barrier.

Health and Safety/Right-to-Know. The Contractor and subcontractors are required to notify their workers of the history of the site and contamination that may be present and to be alert for evidence of contaminated soil and groundwater. The Contractor shall notify the Resident at least three business days prior to commencing any dredge excavation.

The Contractor shall prepare a site-specific Health and Safety Plan (HASP) for its workers and subcontractors who may work in the contaminated areas of the site. A Qualified Health and Safety Professional shall complete the HASP. The Qualified Health and Safety Professional will be an expert in field implementation of the following federal regulations:

29 CFR 1910.120	Hazardous Waste Operations and
29 CFR 1926.65	Emergency Response
29 CFR 1910.134	Respiratory Protection
29 CFR 1926.650	Subpart D - Excavations
29 CFR 1926.651	General Requirements
29 CFR 1926.652	Requirements for Protective Systems

MaineDOT is voluntarily ameliorating the contamination in the Dredge. Given that this is a voluntary clean up effort approved by a regulatory agency, the OSHA requirements as defined in 29 CFR 1910.120 apply. These requirements mandate that workers and any subcontractors working in the contaminated areas shall comply with all OSHA regulations for Hazardous Waste Operations and Emergency Response including a 40-hour initial hazardous waste operations certification [OSHA 1910.120(e)], annual 8-hour refresher course within the last 12 months and medical surveillance [OSHA 1910.120(f)] within the last 12 months.

The Contractor shall designate a person to provide direct on-site supervision of the work in the contaminated areas. This person shall have the training under OSHA 1910.120 (e) as

above and in addition be qualified as a construction Competent Person. It is the responsibility of the competent person to make those inspections necessary to identify situations that could result in hazardous conditions (e.g., possible cave-ins, indications of failure of protective systems, hazardous atmospheres, or other hazardous conditions), and then to ensure that corrective measures are taken.

Submittals. The Contractor shall submit a site-specific Health and Safety Plan (HASP) to the Resident at least two weeks in advance of any excavation work on the project. The Contractor shall not proceed with work until MaineDOT has reviewed the plan and notified the Contractor that it is acceptable.

Health and Safety Monitoring. Within the contaminated areas of the project, the Contractor's designated on-site person shall monitor the worker breathing zone for those constituents specified in the Contractor's HASP. The Contractor shall provide all required health and safety monitoring equipment.

Dust Control. The Contractor shall employ dust control measures to minimize the creation of airborne dust during the construction process in potentially contaminated areas. As a minimum, standard dust control techniques shall be employed where heavy equipment and the public will be traveling. These may include techniques such as watering-down the site or spreading hygroscopic salts.

Unanticipated Contamination. If the Contractor encounters previously undiscovered contamination or potentially hazardous conditions related to contamination, the Contractor shall immediately suspend work and secure the area. The Contractor will then notify the Resident immediately. These potentially hazardous conditions include, but are not limited to, buried containers, drums, tanks, "oil saturated soils", strong odors, or the presence of petroleum sufficient to cause a sheen on the groundwater. The area of potential hazard shall be secured to minimize health risks to workers and the public and to prevent a release of contaminants into the environment. The source of any suspected contamination shall be evaluated by the Resident. As appropriate, the Resident will notify the MDEP's Response Services Unit in Augusta and MaineDOT's -OSC. The Lisbon Fire Department must also be notified prior to removal of buried storage tanks and associated piping. The Contractor will evaluate the impact of the hazard on construction, amend the HASP if necessary, and with the Resident's approval, recommence work in accordance with the procedures of this Special Provision.

Method of Measurement. There will be no measurement for identification and environmental screening of contaminated dredge material.

Measurement for the development of a Health and Safety Plan (HASP) and providing health and safety equipment and personnel shall be by Lump Sum.

Measurement of the off-site treatment or disposal of mercury impacted Dredge will be by the ton.

There will be no measurement for construction of a Temporary Secured Stockpile Area. Construction of a Temporary Secured Stockpile Area, if necessary, is considered incidental to project construction. There will be no measurement for hauling mercury impacted Dredge to the Temporary Secure Stockpile area or placement and removal of Dredge in or out of the Temporary Secure Stockpile area. All hauling and any subsequent management/placement of Dredge is considered incidental to the Project.

Laboratory testing of contaminated Dredge required by a landfill or treatment facility will not be measured directly. Testing is considered incidental to the Disposal of Special Waste.

Measurement for the following items shall be according to Standard Specification Section 109.7, Equitable Adjustments to Compensation and Time: disposal of dredge material qualifying as hazardous waste.

Basis of Payment. Payment for the development of a Health and Safety Plan (HASP), providing health and safety equipment, and personnel shall be by the Lump Sum.

Payment for off site disposal or treatment of Dredge at a MDEP or federally licensed facility shall be by the ton of Special Waste.

There will be no payment for the identification and environmental screening of contaminated Dredge.

There will be no payment for the construction of the Temporary Secured Stockpile Area or hauling/management/placement of the Dredge to the Temporary Secured Stockpile Area. The Temporary Secured Stockpile Area shall be considered incidental to project construction.

Payment for the following items shall be according to Standard Specification Section 109.7, Equitable Adjustments to Compensation and Time: disposal of dredge material qualifying as hazardous waste.

<u>Pay Item</u>		<u>Pay Unit</u>
203.2312	Health and Safety Plan (HASP)	LS
203.2318	Disposal of Special Waste	Ton