



Paul R. LePage
GOVERNOR

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

David Bernhardt
COMMISSIONER

April 7, 2014
Subject: **Milo**
State WIN: 018479.00
Amendment No. 1

Dear Sir/Ms:

Make the following changes to the bid document:

In the Bid Book (pages 12 and 13) **REMOVE** the "Proposal Schedule of Items", 2 pages dated 3/17/2014 and **REPLACE** with the attached new "Proposal Schedule of Items", 2 pages dated 4/7/2014.

Note: Item 639.19 - FIELD OFFICE TYPE B - has been added to the schedule of items

In the Bid Book (pages 54 thru 57) **REMOVE** "SPECIAL PROVISION, SECTION 506, FIELD APPLIED PROTECTIVE COATING - STEEL, (Field Painting)" 4 pages dated March 17, 2014 and **REPLACE** with the attached "SPECIAL PROVISION, SECTION 506, Lead Abatement and Field Coating Application" 5 pages dated March 24, 2014.

In the Plans, Sheet 2 of 7, "QUANTITIES & GENERAL NOTES" **ADD** the following in pen and ink under "ESTIMATED BRIDGE QUANTITIES";
"639.19 FIELD OFFICE TYPE B 1 EA"

Consider these changes and information prior to submitting your bid on April 16, 2014.

Sincerely,

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



PRINTED ON RECYCLED PAPER

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 018479.00

Project(s): 018479.00

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	504.723 FLOORBEAM STRENGTHENING	10.000 EA	_____	 _____	_____	 _____
0020	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP SUM	LUMP SUM		_____	 _____
0030	629.05 HAND LABOR, STRAIGHT TIME	20.000 HR	_____	 _____	_____	 _____
0040	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0050	631.11 AIR TOOL (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0060	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0070	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	 _____	_____	 _____
0080	652.312 TYPE III BARRICADE	6.000 EA	_____	 _____	_____	 _____
0090	652.32 BATTERY OPERATED LIGHT	12.000 EA	_____	 _____	_____	 _____
0100	652.33 DRUM	40.000 EA	_____	 _____	_____	 _____
0110	652.34 CONE	40.000 EA	_____	 _____	_____	 _____
0120	652.35 CONSTRUCTION SIGNS	500.000 SF	_____	 _____	_____	 _____

4/7/2014

Maine Department of Transportation

Proposal Schedule of Items

Page 2 of 2

Proposal ID: 018479.00

Project(s): 018479.00

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
0130	652.361 MAINTENANCE OF TRAFFIC CONTROL DEVICES	LUMP SUM	LUMP	SUM	_____	_____
0140	652.38 FLAGGER	2,400.000 HR	_____	_____	_____	_____
0150	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	2.000 EA	_____	_____	_____	_____
0160	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP	SUM	_____	_____
0170	659.10 MOBILIZATION	LUMP SUM	LUMP	SUM	_____	_____
Section: 1			Total:		_____	_____
			Total Bid:		_____	_____

SPECIAL PROVISION

SECTION 506

Lead Abatement and Field Coating Application

506.01 Description. This work shall consist of localized cleaning and coating of existing structural steel at repair areas and strengthening area. Provide all tools, equipment, materials, miscellaneous items and containment necessary for satisfactory completion of the work. Assume existing paint contains lead (BLSC). Areas requiring touch –up, as identified by the Resident, shall conform to the requirements of this Special Provision.

506.02 Materials. Provide a two or three coat system with a primer from the following list:

Carboline®

Primer: Carboguard 954

RUST-OLEUM®

Primer: MATHYS NOXYDE PLUS WB SC

WASSER®

Primer: MC-MioAluminum MIO SC

Sherwin Williams®

Corothane Galvapak Zinc Moisture Cure Urethane 1K

The intermediate and/or top coat shall be as recommended by the primer manufacturer and shall be compatible with the existing paint on the structure. The Contractor shall provide documentation to the Resident that the proposed paint is compatible with the existing paint. Provide the manufacturer's product data sheet and MSDS for each coat and caulking to the Resident for review prior to beginning coating. Provide coating in the smallest kit sizes or containers available from the coating manufacturer.

The top coat of new paint shall match the color of the existing paint.

506.03 Contractor Qualification. Have a current SSPC-QP1 and QP2 certification.

Provide a surface preparation, coating application, containment and waste management plan for review by the Resident. The plan shall be stamped by a Professional Engineer licensed in the State of Maine. Have a pre-job meeting with the Resident, the Department's hazardous waste representatives, and the Contractor's hazardous waste transporter to discuss containment, removal, coating and waste disposal. Do not perform any work until the plan is reviewed by the Department.

506.04 Quality Control. Provide a Quality Control Inspector that has successfully completed NACE Coating Inspector Training, Session One, SSPC BCI training or has other inspection experience acceptable to the Resident.

The Quality Control Inspector shall:

- Inspect surface preparation.
- Record coating lot numbers and manufacture date.
- Witness the mixing of the coating.
- Measure and record the environmental conditions in the immediate vicinity of the coating operation.
- Measure and record dry film thickness of each coat.
- Record all Quality Control activity in a format acceptable to the Resident.
- Provide the Department with a copy of all test results and measurements.
- Reject unacceptable work and cause it to be re-done.

506.05 Containment. Meet the requirements of SSPC Guide 6, Table P-Power Tool Cleaning and all state and Federal requirements for the removal and containment of hazardous materials at locations of coating removal.

506.06 Waste Management. The Contractor shall collect, store and dispose of lead paint and related waste in compliance with all Federal, State and local laws and requirements. The procedures used for disposal shall conform to the latest requirements of Steel Structures Painting Council Guide 7, Guide for the Disposal of Lead-Contaminated Surface Preparation Debris. The Contractor shall have a copy of this guide available on site at all times. The Contractor shall also have a copy of the Maine Department of Environmental Protection's (MDEP's) Handbook for Hazardous Waste Generators and a copy of the State of Maine Hazardous Waste Management Rules, 06-096 CMR Chapters 850-857, on site at all times. Thirty days prior to generating any waste, the Contractor shall submit their Waste Management Plan which shall include the Spill Prevention Control and Countermeasure (SPCC) Plan to the Department for review and comment. Emergency procedures to be taken in the event of a release of hazardous/special waste or hazardous matter to the environment shall be part of the SPCC Plan. Work shall not proceed until the Department has formally accepted the Waste Management Plan as being complete.

The Department has "Small Quantity Generator-Plus (SQG-Plus)" hazardous waste status for the hazardous waste activities associated with this Contract, as defined by MDEP in the Handbook for Hazardous Waste Generators. Except for a generation rate and site specific identification number, all requirements associated with SQG-Plus status apply. Given the temporary nature of the work, MDEP has excluded the SQG-Plus generation rate restriction and permanent identification number for these bridge maintenance efforts as long as all other SQG-Plus requirements are fully complied with.

All hazardous waste shall be stored in USDOT approved drums. The waste drums shall be placed in an approved locking structure which has a firm, impervious, floor surface and secondary containment that is either 110% of the largest container or 20% of all containers, whichever is larger. All waste containers must be labeled with the words "Hazardous

Waste”, the hazard (e.g., Toxic, Flammable, etc.), the start date, full date, site location and generator information. The lockable container must be labeled “Danger-Unauthorized Personnel Keep Out” and shall be locked at all times when not being accessed. No more than 1,320 pounds and no more than three 55-gallon drums of hazardous waste may be stored at the site at any time. The waste storage locker must be inspected each operating day in accordance with MDEP regulations. The written log shall detail the findings of the daily inspections and it must be maintained by the Contractor and provided to the Department at the end of the project. The Contractor shall store all hazardous waste, in conformance with all other MDEP and Federal Rules, including Chapter 851, Section 13, Part C(7)(i) and 40 CFR 2674.14. Hazardous wastes are limited to an on-site storage time of 180 days following the filling of a drum.

Hazardous/special paint debris and other waste shall not be placed or accumulated on unprotected ground or released to waters of the State. Work areas shall be adequately shielded at all times to prevent dispersion of debris by wind or rain. All of the Contractor’s equipment and storage areas used for the handling and storage of hazardous waste, special wastes and hazardous materials shall have impervious tarps placed under them. Any evidence of improper storage and handling shall be cause for immediate suspension of work in progress and work will not be allowed until corrective actions are taken.

All paint-related waste material generated as part of this initiative must be managed as a hazardous waste. Management of the remaining waste materials will depend on the results of laboratory testing. The Contractor may assume these wastes are hazardous or may test the debris (including personal protective equipment, gray water, etc.) to determine the appropriate disposal options. The Department must be notified at least one week in advance of the date of sampling activities and provided the proposed protocol for sample collection. The Department shall witness the sampling. Chain-of-custody must be adhered to for sample removal. Certified laboratory test results shall be provided to the Department upon receipt by the Contractor.

The Contractor shall inform the Department at least three days in advance of planned date(s) for removal of hazardous waste from the job site. The Department shall obtain a provisional Environmental Protection Agency Identification Number prior to shipping any hazardous waste for disposal. This provisional number must be used by the Contractor to ship hazardous waste off site. The Contractor shall secure a MaineDOT approved transporter (e.g., Enpro Services, Inc., or Environmental Products, Inc.) licensed by MDEP for transportation of hazardous waste. Preparation of all necessary forms is the responsibility of the Contractor. The Hazardous Waste Manifest must be approved and signed by the Department. A multi-part, pre-numbered Uniform Hazardous Waste Manifest (EPA Form 8700-22) shall be prepared when shipping hazardous waste. The appropriate original sheets of the multi-part hazardous waste manifest must be provided to the Department and must be sent to the Department’s Supervisor of Groundwater and Hazardous Waste Management, Environmental Office, State House Station #16, Augusta, Maine, 04330.

Failure of the Contractor to comply with this section shall result in the following:

- First finding of non-conformity shall be a written warning which will include deadline for compliance.
- Second finding of non-conformity shall be documented in writing, and all operations by the Contractor, except those needed to restore compliance, will be immediately suspended, until full compliance has been restored.
- Third and subsequent findings of non-conformity will be documented in writing and all operations shall be immediately suspended, except those needed to restore compliance, until full compliance has been fully restored, and the Contractor assessed a penalty of \$10,000.00 per incident. If the Contractor fails to restore the Project into compliance, additional fines shall be assessed.

All penalties assessed shall be in addition to any fines assessed by MDEP/EPA for failing to comply with the Federal, State, or local regulations. The Contractor shall not be granted additional time for suspensions of work due to noncompliance.

506.07 Surface Preparation. After field drilling, prepare the surfaces to receive coating to a minimum of SSPC-SP 11-Power Tool Cleaning to Bare Metal. Develop an anchor profile that corresponds with the requirements of the primer coat manufacturer's product data sheet.

At repair areas, clean the steel three to six to inches in all directions from the limits of repair or as directed by the Resident.

For areas to be cover plated, clean the full width of the bottom flange underside, the bottom flanges edge, the outside three inches of the topside of the bottom flange and within three inches of bolt holes or as directed by the Resident. At a minimum the limits of cleaning shall extend three to six inches beyond the ends of the proposed cover plate. The entire faying surfaces need to be free of unqualified paint systems or other deleterious materials. The surface shall be prepared using rotary impact equipment, peening media, needle guns or similar devices to provide an angular surface profile with a height between 1 and 2 mils. Use SSPC VIS 3-Visual Standard for Power-and Hand-Tool Cleaning to evaluate the cleanliness of the steel. Measure the anchor profile using ASTM D 4417 Method C (replica tape). Measure the anchor profile on each faying surface. If the results are consistent the Resident may require a reduced level of measurement, however, not less than one measurement at each end of a repair piece.

The faying surface shall not be coated. The seams at the existing steel and cover plate shall be stripe coated with each coat then caulked after the paint has cured. The top or final coat of paint shall be applied after the caulk has properly cured. The caulk shall be a paintable, durable, 20 year product as recommended by the paint manufacturer.

506.08 Application. Apply the coating using brushes, rollers or other methods acceptable to the Resident and in accordance with the manufacturer's published instructions. Do not spray the coating in the field, only shop applied coating may be sprayed. Single component

coatings may be opened and re-sealed as long as the remaining coating has not begun to degrade or cure in the container.

Two-component kits may be divided provided the components are measured in the proper proportions in accordance with the manufacturer's published instructions

Apply the coating after the Quality Control Inspector has measured and recorded the environmental conditions in the immediate vicinity of the work and has given permission to begin coating.

506.08 Curing. Cure the coating for the maximum amount of time specified for the minimum temperature encountered during the cure cycle. The environmental conditions recorded at the nearest airport may be used to settle disputes between the Department and the Contractor.

Advise the Resident when dry film thicknesses are measured so that the Resident may witness the measurements. Do not remove the access to the work area until the Work has been completed and accepted by the Quality Control Inspector.

506.09 Touch-ups and Repairs

Touch-up and repairs of damaged coatings at the bridge site shall be done in accordance with the manufacture's published instruction. Prepare areas to be touched-up/repared in a manner that assures the proper adhesion of each coat. Each existing coat shall be feathered back to assure that each touch-up/repair coat is continuous with each corresponding existing coat. The top coat shall be smooth and uniform in appearance.

Payment for all touch –up and repair shall be incidental to the work.

506.09 Method of Measurement.

Surface Preparation and Field Painting of Existing Steel shall not be measured separately for payment, but shall be incidental to Pay Item 504.723, "Floorbeam Strengthening".

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