



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

Paul R. LePage
GOVERNOR

David Bernhardt
COMMISSIONER

September 17, 2018
Subject: Lunt Road Bridge Replacement
& Lambert Street Bridge Rehabilitation
State WINS: 021723.00 & 022600.00
Location: **Falmouth**
Amendment No. 3

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 71-72, SPECIAL PROVISION – SECTION 105 – General Scope of Work – (Environmental Requirements), 2 pages, dated 7/5/18, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 105 – General Scope of Work – (Environmental Requirements), 2 pages, dated 9-7-18.

REMOVE pages 103-123, SPECIAL PROVISION – SECTION 506 – Lead Abatement and Coating Application, 21 pages, dated August 6, 2018, and **REPLACE** with the attached, revised SPECIAL PROVISION – SECTION 506 – Lead Abatement and Field Paint Coating Application, 6 pages, dated September 14, 2018.

In the Plan Set:

On Lambert Street SHEET NUMBER 2 OF 10, ESTIMATED QUANTITIES, PIER SCOUR COUNTERMEASURE NOTE 3, **CHANGE** “17.7” to “8.4”. Make this change in pen and ink.

REMOVE Lambert Street Bridge SHEET NUMBER 4 OF 10, PROFILE, and **REPLACE** with the attached, revised Lambert Street Bridge SHEET NUMBER 4 OF 10, PROFILE.

Consider these changes and information prior to submitting your bid on **September 19, 2018**.

Sincerely,

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



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SPECIAL PROVISION
SECTION 105
General Scope of Work
(Environmental Requirements)

In-Water work consists of any activity conducted below the normal high water mark of a river, stream, brook, lake, pond or “Coastal Wetland” areas that are subject to tidal action during the highest tide level for the year which an activity is proposed as identified in the tide tables published by the National Ocean Service. <http://www.oceanservice.noaa.gov/> For the full definition of “Coastal Wetlands”, please refer to 38 MRSA 480-B(2)

I. In-Water Work shall not be allowed between the dates of October 1 and July 14.
(In-Water work is allowed from July 15 to September 30)

II. In-Water work window applies to the following water bodies at the following station #'s:
1. Presumpscot River at proposed scour countermeasures

III. Special Conditions:

1. Special Conditions of Army Corps of Engineers (ACOE) Category II permit apply (see permit and conditions in contract documents).
2. Maine Department of Environmental Protection Permit-by-Rule Section 11 Standards apply (see permit and conditions in contract documents).
3. **All in-water installation of scour countermeasures shall be completed inside coffer dam(s).**

IV. The Town of Falmouth agreed to temporary use of the existing driveway at the Blackstrap Canoe Launch to access the work area around the provided that the following conditions are met:

1. The contractor may use the existing driveway for the boat launch to access the work area around the pier between July 15 and September 30. The canoe launch and parking area will be temporarily closed by the Town of Falmouth when the work is occurring between July 15 and September 30 and for 2-3 days after completion of bridge work to repave the area.
2. The contractor will notify the following town officials at least two weeks prior to commencement of temporary occupancy of Town land and shall coordinate with the Town as necessary:

Lucky D'Ascanio, Director Parks & Community Programs (207) 699-5313 ldascanio@falmouthme.org	Justin Brown, Code Enforcement Officer (207) 699-5310 jbrown@falmouthme.org
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3. Disturbed areas shall be minimized during construction and shall be protected from erosion and sedimentation using Best Management Practices.
4. Permanent stabilization of all disturbed areas post-construction will be completed with a native seed mix. The Town property shall be fully restored to a condition that is at least as good as the pre-construction condition.

V. Approvals:

1. Temporary Soil Erosion and Water Pollution Control Plan
2. Permitted Resource Impacts (square feet), see ACOE permit for locations:

River:

Permanent: RUS- 3700

Temporary RUS-2650

Temporary disturbance below OHW on existing riprap fill: 630

VI. All activities are prohibited (including placement and removal of cofferdams unless otherwise permitted by Regulatory Agencies) below the normal high water mark if outside the prescribed in-water work window, except for the following:

1. Work within a cofferdam constructed according to MaineDOT's Standard Specifications and in adherence with the contractors approved "Soil Erosion and Water Pollution Control Plan".

VII. No work is allowed that completely blocks a river, stream, or brook without providing downstream flow.

NOTE: Regulatory Review and Approval is required to modify the existing In-Water work window.

SPECIAL PROVISION
SECTION 506
Lead Abatement and Field Paint Coating Application

506.01 Description All requirements of this Special Provision are the responsibility of the Contractor unless otherwise specifically stated herein. This work shall consist of localized cleaning and overcoat painting (maintenance painting) of existing and repaired structural steel at all of the steel beam end areas as shown on the Plans. This specification covers the field cleaning, surface preparation and field overcoat painting. The work shall consist of furnishing all supervisory personnel, including competent person(s), labor, tools, equipment, containment, scaffolding, protection of public and private property, Quality Control activities, materials, and incidentals necessary for satisfactory completion of the Work. Assume the existing paint coating contains lead. Any other additional areas (touch-up or spot), identified by the Resident, shall conform to the requirements of this Special Provision.

506.02 Materials Provide the following aluminum epoxy mastic paint:

Carboline Carbomastic®15 - Color: Aluminum (C901) 8-10 mils.
Multiple coats may be required to achieve specified DFT.

Any Department approved equal, aluminum epoxy mastic paint may be used.

Provide the manufacturer's product data sheet and MSDS to the Resident for review prior to beginning coating application.

506.03 Contractor Qualifications The paint Contractor/Subcontractor shall have current SSPC QP1 and QP2 certifications. Provide surface preparation, coating application, containment and waste management plans for review by the Resident a minimum of 14 days prior to beginning the work. The containment and worksite access plan shall be stamped by a Professional Engineer licensed in the State of Maine. A pre-coating meeting is required and shall involve the Resident, MaineDOT hazardous waste representative and Contractor's hazardous waste transporter in order to discuss containment, paint removal, coating and waste disposal. Work shall not begin until these work plans have been reviewed and accepted by the Department.

506.04 Quality Control Provide a Quality Control Inspector that has, at a minimum, successfully completed NACE Coating Inspector Program, Level I, SSPC BCI Level I or any other paint inspection experience deemed acceptable by the Resident.

The Quality Control Inspector shall:

- Inspect surface preparation
- Record coating lot numbers and manufacture date
- Witness the mixing of the paint

- Measure and record the environmental conditions in the immediate vicinity of the coating operation
- Measure and record dry film thicknesses
- 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 The containment used shall be appropriate for this specific work and shall be of a classification shown in SSPC Guide 6, Table P-Power Tool Cleaning. All State and Federal requirements for the removal and containment of hazardous materials shall be met.

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 SSPC 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 an Environmental Protection Agency Identification Number prior to shipping any hazardous waste for disposal. This Identification 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 Director, Office of Safety and Compliance, MaineDOT 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 Remove and dispose of all accumulated winter sand/salt, bird droppings, dirt, grease, and debris from existing steel areas to be repaired prior to undertaking any paint removal or surface preparation operations.

Remove any sharp edges that are present on the existing steel, or that become apparent during the surface preparation. Prepare the existing steel in accordance with SSPC-SP3, Power Tool Cleaning. Inaccessible areas and sensitive areas as designated by the Resident may be prepared in accordance with SSPC-SP2, Hand Tool Cleaning. Exercise care to avoid any nicking or gouging of the steel during surface preparation.

After the proposed steel work specified in the Plans is complete, prepare the new steel surfaces in a similar manner as the existing steel described above. Use SSPC VIS.3, Visual Standard for Power-and Hand-Tool Cleaning to evaluate the cleanliness of all surfaces to be painted.

506.08 Application Apply the coating using brushes, rollers or other methods acceptable to the Resident.

The paint kits may be split if the components are measured in the proper proportions by mass using a calibrated scale and the measuring and mixing are witnessed by the Quality Assurance Inspector and Quality Control Inspector. The proportion breakdown shall be specified and provided on a company letterhead by the coating manufacturer.

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.

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 being measured so arrangements can be made to witness the measurements. Do not remove the access to the work area until the Work has been completed and accepted by the Quality Control and Quality Assurance Inspectors.

506.09 Touch-up and Repairs Touch-up and repairs of damaged coating shall be done in accordance with the manufacturer's published instructions. Prepare areas to be touched-up/repared in a manner that assures the proper adhesion of the coat. The existing coat shall be feathered back to assure that the touch-up/repair coat is continuous with the existing coat.

Payment for all touch-ups and repairs shall be incidental to the Work.

506.10 Method of Measurement

Surface Preparation of Existing and New Structural Steel shall be measured for payment as one lump sum, complete and accepted.

Field Painting of Existing and New Structural Steel shall be measured for payment as one lump sum, complete and accepted.

Containment and Pollution Control Measures shall be measured for payment as one lump sum, complete and accepted.

Disposal of Special Waste or Hazardous Waste materials shall be measured for payment as one lump sum.

506.11 Basis of Payment

The accepted quantity of Surface Preparation of Existing and New Structural Steel will be paid at the respective Contract lump sum price, which shall be full compensation for furnishing all materials, labor, tools, equipment, scaffolding, QC/QA inspections, and any other incidentals necessary for the satisfactory performance of the work.

The accepted quantity of Field Painting of Existing and New Structural Steel will be paid at the Contract lump sum price, which shall be full compensation for furnishing all material, labor, equipment, scaffolding and incidentals necessary for the satisfactory performance of the work.

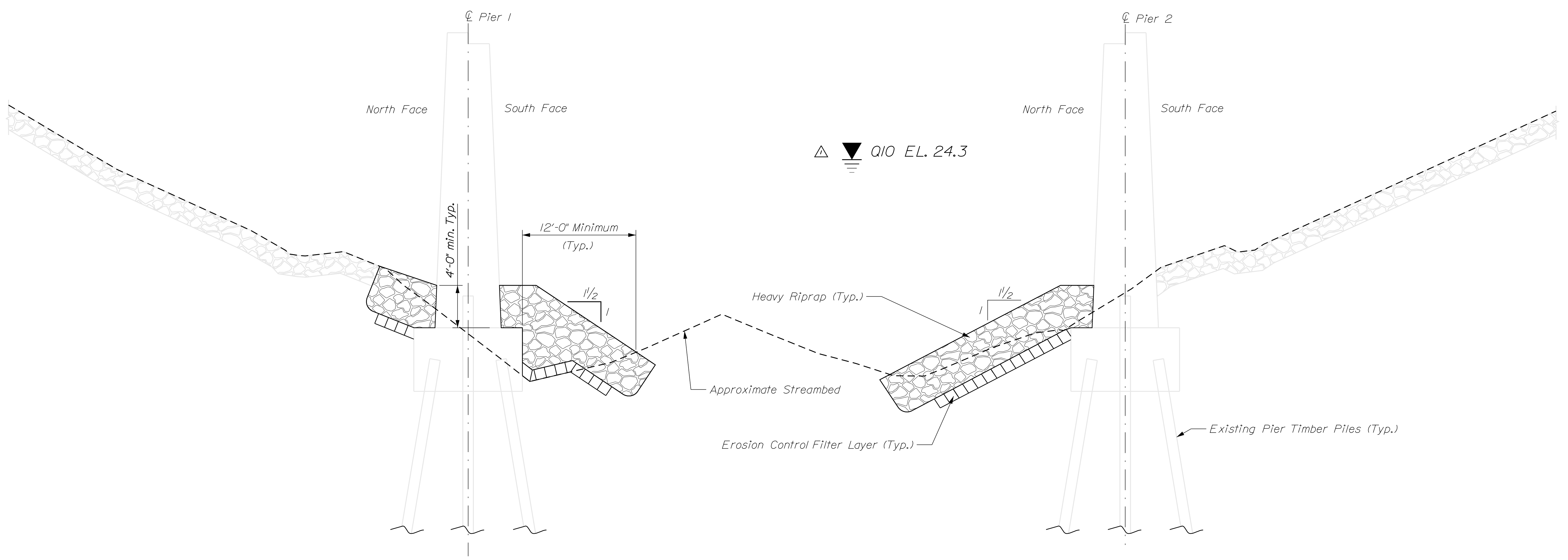
Containment and pollution control will be paid for at the Contract lump sum price, which price shall be compensation for furnishing all materials, labor, equipment, and incidentals necessary for the satisfactory performance of the work.

Disposal of Special Waste or Hazardous Waste materials will be paid at the Contract lump sum price, which price shall be full compensation for all permits, tests, transportation, tipping fees and incidentals necessary for the satisfactory performance of the work.

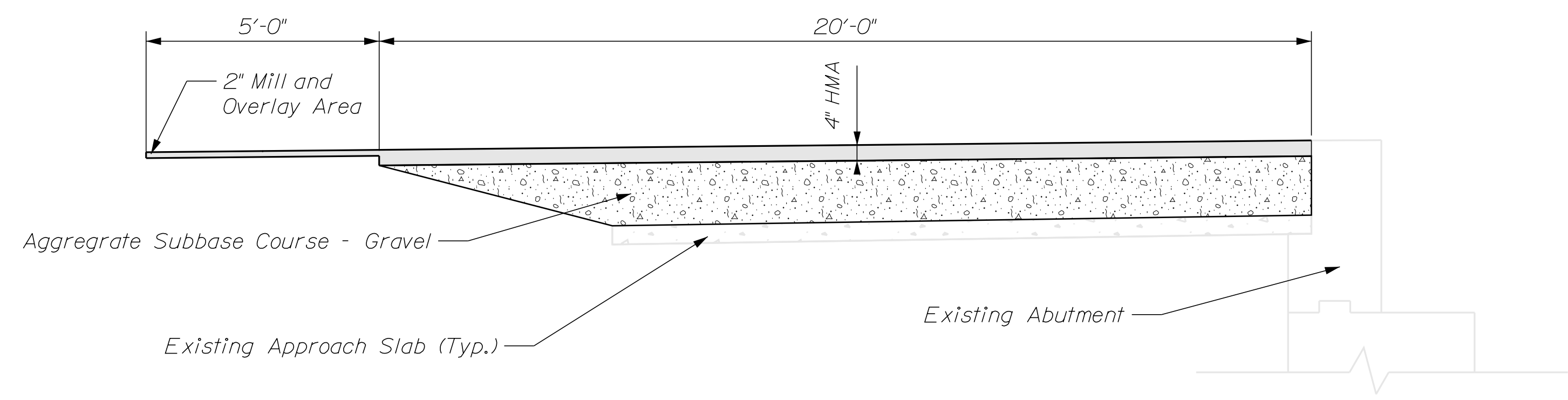
Falmouth
Lambert Street Bridge
WIN 22600.00
September 14, 2018

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
506.144	Field Painting of New and Existing Structural Steel	Lump Sum
506.17	Surface Preparation of Existing Structural Steel	Lump Sum
506.18	Containment and Pollution Control Measures	Lump Sum
506.191	Disposal of Special Waste or Hazardous Waste	Lump Sum



PARTIAL PROFILE



APPROACH LONGITUDINAL SECTION
Typical

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		STP-2260(000)		BRIDGE NO. 5553		WIN		022600.00		BRIDGE PLANS	
LAMBERT STREET BRIDGE		PRESUMPCOT RIVER		CUMBERLAND COUNTY		FALMOUTH		PROFILE		SHEET NUMBER		4	
PROJ. MANAGER	J. Wittredge	BY	J. Leavitt	DATE	July 2018	SIGNATURE		P.E. NUMBER		DATE			
DESIGN DETAILED	G. Gustafson	CHECKED-REVIEWED	D. Eaton	DESIGN DETAILED	July 2018	Water surface elevation	Sept 2018	REVISIONS 1		REVISIONS 2		REVISIONS 3	
DESIGN DETAILED		DESIGN DETAILED		DESIGN DETAILED		REVISIONS 4		FIELD CHANGES					