

MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 1

CONTRACT 2020.05

**NEW GLOUCESTER/WEST GARDINER BARRIER
TOLL PLAZA ORT EQUIPMENT UPDATE**

GENERAL

The bid opening date is Thursday 2/20/20 at 10am.

The following changes are made to the Specifications and Plans.

SPECIAL PROVISIONS

The following Specification is changed:

Schedule of Bid Prices Page P-2 is deleted in its entirety and replaced with the attached Schedule of Bid Prices Page P-2.

Special Provision – Section 515, Clear Protective Coating for Concrete Surfaces. Pages SP-23,SP-24 and SP-25 are deleted in their entirety, and replaced with the attached Special Provision - Section 515 – Protective Coating for Concrete Surfaces – Broadcast Sealant (SP-23,SP-24 and SP-25)

PLANS

The following plan sheet is changed:

Plan Sheet 2 of 10 (GN-01) - Make the following changes in pen and ink:

In the Estimated Quantities Table – Cross out “Clear Protective Coating for Concrete Surface” and write in “Broadcast Sealant for Concrete Surfaces”

In the Estimated Quantities Table – Cross out “515.202” and write in “515.203”

Under Tolling – ORT Note 2 (D) - Cross out “Clear Protective Coating” and write in “Broadcast Sealant”

ATTACHMENTS

- NEW - Special Provision - Section 515 – Protective Coating for Concrete Surfaces – Broadcast Sealant
- NEW – Schedule of Bid Prices Page P-2

Notes: The above items shall be considered as part of the bid submittal.

The total number of pages included with this addendum is Six (6).

All bidders are requested to acknowledge the receipt of the Addendum No. 2 by signing below and faxing this sheet to Nathaniel Carll, Purchasing Department, Maine Turnpike Authority at 207-871-7739. Bidders are also required to acknowledge receipt of this Addendum No. 2 on Page P-7 of the bid package.

Business Name

Print Name and Title

Signature

Date

February 13, 2020

Very truly yours,

MAINE TURNPIKE AUTHORITY

Nathaniel Carll
Purchasing Manager
Maine Turnpike Authority

**SCHEDULE OF BID PRICES
 CONTRACT NO. 2020.05
 NEW GLOUCESTER / WEST GARDINER BARRIER TOLL PLAZA
 ORT TOLL EQUIPMENT UPDATE
 MM 67.0 / MM 100.0**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
202.12311	MILLING CONCRETE ORT SLAB - TOP 3"	Square Yard	420				
202.202	REMOVING PAVEMENT SURFACE	Square Yard	140				
403.208	HOT MIX ASPHALT, 12.5 MM NOMINAL MAXIMUM SIZE	Ton	20				
409.15	BITUMINOUS TACK COAT RS-1 OR RS-1h - APPLIED	Gallon	10				
502.262	STRUCTURAL CONCRETE ROADWAY SLAB WEARING SURFACE	Cubic Yard	40				
503.90	SYNTHETIC FIBER REINFORCEMENT	Pound	120				
504.91	MOUNTING BRACKET ASSEMBLIES	Lump Sum	1				
515.203	BROADCAST SEALANT FOR CONCRETE SURFACES	Square Yard	420				
515.23	EPOXY OVERLAY	Square Yard	55				
627.18	12 inch SOLID WHITE PAVEMENT MARKING LINE	Linear Foot	1,900				
627.712	WHITE OR YELLOW PAVEMENT MARKING LINE	Linear Foot	7,000				

CARRIED FORWARD:

SPECIAL PROVISION

SECTION 515

PROTECTIVE COATING FOR CONCRETE SURFACES

(Broadcast Sealant for Concrete Surfaces)

Section 515, Protective Coating for Concrete Surfaces, is deleted in its entirety and replaced with the following:

515.01 Description

The work shall include the surface preparation and application of a broadcast sealant on the concrete ORT Slab surfaces to repair the concrete wearing surface at the New Gloucester Barrier Toll Plaza (MM 67.0). The coating system shall be applied to the ORT concrete slab wearing surfaces in accordance with these Specifications and the manufacturer's published recommendations.

515.02 Materials

The broadcast sealer shall be one of the following three products or an approved equal.

- T-78 Methyl Methacrylate Crack Sealer, as manufactured by Transpo Industries, Inc.
- KBP 204 P Seal, as manufactured by Kwik Bond Polymers
- MasterSeal 630, as manufactured by BASF

The product shall comply with regulations limiting the Volatile Organic Compound (VOC) content of architectural and industrial maintenance coatings.

The Contractor shall submit the product data sheets, material safety data sheets and recommended instructions for application of the proposed sealer.

Materials shall be delivered to the site in original packages or containers bearing the manufacturer's labels and identification.

515.03 Surface Preparation

Concrete surfaces shall be cleaned free of dust, surface dirt, oil, efflorescence and contaminants to ensure penetration of the sealer. Additional surface preparation shall be performed in strict conformance with the manufacturer's published recommendations.

The Contractor may use, when required, appropriate cleaning materials recommended by the sealer manufacturer in conjunction with high pressure water for cleaning the concrete or

masonry. Collect all debris and other material removed from the surface and cracks and dispose of in accordance with applicable federal, state, and local regulations.

Cover or avoid gradient lane sensor epoxy overlays which are not to be coated with the broadcast sealer.

The Resident shall approve the prepared surface prior to applying the sealer.

515.04 Application

The Contractor shall apply the sealer in strict accordance with the manufacturer's published recommendations. If there is a conflict between the manufacturer's recommendations and the restrictions below, the stricter of the two criteria shall apply.

The application shall not be conducted when surface and air temperatures are outside the range recommended by the manufacturer. The work shall not be conducted when there is a chance of the surface and air temperature falling outside of the recommended temperature range during the appropriate cure time for the air temperature plus 4 hours; nor should it be applied on hot, windy days.

The treatment shall not be applied during rain to wet surfaces or when there is a chance of rain within 24-hours after application. Following any rain fall, allow the deck to air dry a minimum of 48 hours before applying broadcast sealant. After treatment, surfaces should be protected from rain for not less than 48-hours. It shall not be applied when winds are sufficient to carry airborne chemicals to unprotected surfaces.

Prior to applying the sealer, the Contractor shall protect all surrounding non-masonry/non-concrete surfaces, landscape and lawn areas, and surfaces not designated for treatment, from contact with the penetrating sealer, and prevent overspray of the penetrating sealer caused by wind drift. Provide shielding as necessary to prevent dust, debris, and overspray from striking vehicular traffic.

The Contractor shall ensure that all safety equipment, facilities and precautions recommended by the product manufacturer are furnished and/or strictly adhered to.

The sealer material shall be applied in the manner and with the equipment recommended by the product manufacturer. Coverage will vary depending on condition, texture and porosity of the surfaces. A second coat may be required on very porous substrates. Pre-testing is required.

Sealer shall be applied as packaged without dilution or alteration. Sufficient material shall be applied to thoroughly saturate the surface making sure to brush out excess material that does not penetrate.

When the sealer is applied to horizontal surfaces, it shall be applied in a single saturating application with sufficient material and applied so the surface remains wet for one to two minutes

before penetration into the concrete. Surface residues, pools and puddles shall be broomed-out thoroughly until they completely penetrate into the surface.

Broadcast sand shall be applied either by hand or mechanical means on the entire treated area of concrete surfaces prior to cure to achieve a uniform coverage. Follow the Manufacturer's requirements for the amount of sand per square area. Place the sand as the sealant begins to gel. Placing of the sand before the gelling of the sealant may cause settlement, excessive coating of the sand, and loss of friction characteristics. Additional sand that does not adhere to the sealant shall be brushed off. The surface shall be inspected and approved by the Resident before allowing traffic to resume. An alternative to sand, if the manufacturer's requirements allow, is providing a brushed finish for skid resistance.

515.05 Storage

Store in factory sealed containers of unmixed material at temperatures within the range recommended by the manufacturer away from direct sunlight and sources of heat. Once the container is opened for product use the manufacturers requirements shall be followed for storage and the product shall not be used if the recommended shelf life is exceeded.

515.06 Method of Measurement

Broadcast Sealant for Concrete Surfaces will be measured for payment by the square yard, satisfactorily applied and accepted.

515.07 Basis of Payment

Broadcast Sealant for Concrete Surfaces will be paid at the Contract unit price per square yard which price shall be full compensation for all labor, materials, equipment and incidentals required for furnishing and applying the sealer, in accordance with these Specifications or as approved by the Resident.

Surface preparation and protection of surfaces not designated for treatment will not be measured separately for payment but shall be incidental to the Broadcast Sealant for Concrete Surfaces item.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
515.203 Broadcast Sealant for Concrete Surfaces	Square Yard