



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

Paul R. LePage
GOVERNOR

David Bernhardt
COMMISSIONER

February 16, 2018
Subject: Bridge Protective Coating
State WIN: 021765.00
Location: **Region 5**
Amendment No. 1

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE page 56, SPECIAL PROVISION - SECTION 527 - ENERGY ABSORBING UNIT - (Truck Mounted Attenuator), 1 page, dated November 1, 2017, and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 527 - ENERGY ABSORBING UNIT - (Truck Mounted Attenuator), 1 page, dated February 15, 2018.

The following questions have been received:

Question: Is there a Pre-qualification required to bid on Project WIN 021763.00 Concrete Protective Coatings, on Interstate Bridges.

Response: The successful low bidder must demonstrate their ability to do the work as specified in the Notice to Contractors. This can be shown by a list of similar, completed projects sent in by the low bidder after the bid opening or can be turned in with the bid package.

Question: What has the Department spent on this project in the past?

Response: The bid tab from last year's Bridge Preservation - Protective Coatings. Region 1, I-295 bridges from South Portland to Topsham can be seen at http://www.maine.gov/tools/whatsnew/index.php?topic=DOT_projects&id=754051&v=full-archive-2016.

Question: Area's that need to be coated such as:

1. Concrete wearing surfaces
2. Facias down to drip notch

Can you supply a map and better description of where these areas start and finish?
Not sure where they are on structure or if they need a lane closure or not.



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Response: See existing bridge plans

Question: In notes it says Contractor may use compressed air to clean surface before coating, but Resident may require cleaning with water if compressed air in their opinion is not cleaning the substructure adequately. What is the standard the Resident will be using? There is a large cost difference between using compressed air vs. water for cleaning. Could you give us a square yard estimate of how much will be compressed air cleaned vs. water? So we may be able to give you a competitive bid.

Response: The concrete surfaces must be cleaned to meet the surface preparation requirements of the concrete protective coating.

Question: Special Provision 527 references an impact attenuation unit that is not on the MaineDOT's Qualified Products List for Truck and Trailer Mounted Attenuator Systems. Will any products on MaineDOT's QPL be acceptable for use on this project?

Response: See attached, revised SPECIAL PROVISION - SECTION 527 - ENERGY ABSORBING UNIT - (Truck Mounted Attenuator).

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

Sincerely,



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

SPECIAL PROVISION
SECTION 527
ENERGY ABSORBING UNIT
(Truck Mounted Attenuator)

Description: This work consists of furnishing, maintaining and deploying a truck mounted attenuator (TMA) and a shadow or barrier truck in accordance with this specification and as directed. A Truck Mounted Attenuator must comply with NCHRP Report 350.

Materials: The energy absorbing system shall be from the Department's Qualified Product List (QPL). The TMA shall be mounted in accordance with the manufactures specifications to a truck with a gross vehicle weight of at least 10,000 pounds.

Installation: The chart below identifies the distance from the work zone or hazard where the TMA shall be deployed. If the work zone is within a marked lane closure, the barrier truck distances shall apply and if the work is mobile, then shadow truck distances shall apply. When used as a barrier, the barrier truck shall be parked in low gear with brakes applied and the front wheels turned away from the work zone and the adjacent traffic lane. For placement details, reference the Manual of Uniform Traffic Control Devices (MUTCD).

Weight of Truck	Barrier Truck Distance from Work Zone of Hazard	Shadow Truck Distance from Work Vehicle or Work Zone
10,000 lbs	250 ft	300 ft
15,000 lbs	200 ft	250 ft
>24,000 lbs	150 ft	200 ft

Method of Measurement: Truck mounted attenuator will be measured by the unit furnished.

Basis of Payment: The accepted quantity of truck mounted attenuator will be paid for at the contract unit price each which includes furnishing and all costs of attaching to and retrofitting of a truck on which the TMA will be deployed. Daily maintenance and deployment of the TMA, including the cost of the truck, shall be considered incidental.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
527.33 Truck Mounted Attenuator	Each