

Statement of Work

STEEL SHOTBLASTING FOR BRIDGE DECKS

Provision Body:

- I. DESCRIPTION - This work is furnishing a machine, cleaning and profiling concrete deck surfaces for application of an epoxy overlay by Department personnel.

- II. EQUIPMENT AND MATERIAL -
 - (a) Equipment - Shotblasting machine: Gasoline, Diesel, propane or electrically-powered units.
 - Power source for the electric powered units.
 - Brooms and shovels.
 - Spare parts for "Blaster" maintenance.
 - Magnets or magnetic broom to retrieve fugitive steel shot.
 - (b) Material – Steel shot is the only allowed consumable material. Steel shot size ranges from S-330 to S-550 as per the ICRI Guideline No. 03732

- III. CONSTRUCTION –
 - (a) Cleanup. Steel media may not remain on the bridge deck. It shall be recovered by using magnets, magnetic broom, air blast, vacuum or stiff bristle broom.
 - (b) Mechanical grinding will be required along both left and right gutter lines/parapet.
 - (c) Production rates. Minimum production rate per unit shall be 350 ft²/ hr.
 - (d) Visual inspection. The prepared bridge deck should have a surface profile between 5 and 7 as per the ACI 515.1R
 - (e) Brush Blast. After the initial shotblasting, (day #1), an inspection on the following day #2 will be completed to determine if any deleterious material exists that would require a brush blast. An epoxy overlay will be placed on day #2. In the event a detour could not be implemented the same process, (evaluation for the brush blast need), would occur on the following day #3 to complete the half-width process.
 - (f) Traffic control will be provided by the Department.

- III. PAYMENT -
 - (a) Square Foot. Square foot cost includes mobilization and stand-by time
 - (b) Confirmation of Services Form (See attached form)

Vendor must submit a "Confirmation of Service Form" (OS-501) for units of work authorized and satisfactorily performed to the County in which the work was performed. Instructions for completing the form are attached. This form must be completed and e-mailed to the Purchasing Agent within 48 hours of the service being performed.