

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 and deck ends at Near and Far abutments.
 - (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.

III. ESTIMATED QUANTITIES

The number of deck surface completed is dependent on satisfactory work performance, program demands, and funding. All quantities of services are estimated and may be increased or decreased as required to complete the Steel Shot Blasting for bridge decks as described in this statement of work. The Department reserves the right to terminate this work if it is determined to be in the best interest to the Department. If unforeseen circumstances arise, the Department reserves the right to cancel and or terminate all estimated quantities with no payment to the awarded vendor.