

# BLAST ALL Inc.

Industrial Coating • Structural Maintenance • Abrasive Blasting



## TOWN OF LEE, EMERGENCY REPAIR OF BRIDGE L-05-044 VARIOUS LOCATIONS, 607545-92992

### 961.61 Surface Preparation

All equipment, materials and vehicles brought to the site by BAI shall be clean and free of debris. A visual assessment of cleanliness shall be made by the Engineer prior to locating equipment at the contract location(s). All portions of the structure that could be damaged by surface preparation, abrasive residue, and painting operations, (e.g., utilities, bearings, machined surfaces, electric motors, wiring, and neoprene pads) shall be protected prior to the start of cleaning and painting operations. Any damage or reduced service life caused by the failure to protect areas or components of the structure shall be repaired or replaced at the Contractor expense.

BAI shall immediately report to the Engineer any cracks, section loss or other potential problems found during surface preparation.

After surface preparation all surface imperfections/discontinuities (e.g., sharp fins, sharp edges, weld spatter, burning slag, scabs, slivers, laminations, etc.) that remain shall be completely removed by grinding to the satisfaction of the Engineer. The Contractor shall restore surface profile if degraded by grinding. Alternate methods of surface preparation that will provide the specified surface cleanliness and profile may be submitted to the Engineer for review for approval.

Prior to full operation of surface preparation, an acceptance standard for the preparation method(s) shall be prepared by the Contractor and approved by the Engineer. The surface for the standard (or control) should be a flat portion of the surface actually to be cleaned and shall be located by the Engineer. The Engineer shall be the final authority in regard to determining whether or not a prepared surface meets the requirements of this specification.

To establish this standard, SSPC VIS-1 and VIS-3, shall be used as guides. An area not less than 600mm x 600 mm (2 feet x 2 feet) shall be prepared to meet the requirements of the surface preparation method(s) to be utilized. After approval and at the option of the Engineer, the prepared standard will be sealed with a clear protective paint to preserve its appearance. Upon completion of the surface preparation and application of the primer, the standard will be re-prepared and coated in accordance with these specifications.

All laminar and stratified rust that has formed on the existing steel surfaces shall be removed. Pack rust formed along the perimeter of mating surfaces of connected plates or shapes of structural steel shall be removed to the extent feasible without mechanically detaching the mating surface. Extensive pack rust, buckled plates, loose or missing bolts shall be brought to the attention of the Engineer before painting. Any pack rust remaining shall be tight and intact when examined after scraping with a dull putty knife.

A best effort with the specified methods of cleaning shall be performed in limited access areas. The equipment being used for the majority of the cleaning may need to be supplemented with other commercially available equipment, such as angle nozzles, to properly clean the limited access areas. The acceptability of the best effort cleaning in these areas is at the sole discretion of the Engineer.

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