Wisconsin Department of Transportation

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Bureau of Project Development
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April 12, 2022

NOTICE TO ALL CONTRACTORS:

Proposal #12: 2025-20-70, WISC 2022387
Capitol Dr, City of Wauwatosa
124th St to STH 100
STH 190
Milwaukee County

Letting of May 10, 2022

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
21	Structure Repainting Recycled Abrasive B-40-335, Item 517.1801.S.01.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

2025-20-70

April 12, 2022

Special Provisions

21. Structure Repainting Recycled Abrasive B-40-335, Item 517.1801.S.01.

Add the following to section titled **C Construction***:*

C.3 Quality Control

C.3.1 Quality Control Plan

Submit a Quality Control Plan to the Engineer for review and acceptance14 days prior to the preconstruction conference.

The quality control plan shall include the following:

1. Contractor/Personnel Qualifications. Steel bridge painting contractors shall be SSPC-QP1 and SSPC-QP2 accredited, or currently enrolled in the SSPC-QP7, Painting Contractor Introductory Program, Category 2**.** Provide Contractor qualifications and the names and qualifications/experience/training/certifications of the personnel managing and implementing the Quality Control program and conducting the quality control tests.
2. Quality Control (QC) Program. The QC Program shall identify the following; the instrumentation that will be used, a schedule of required measurements and observations, procedures for correcting unacceptable work, and procedures for improving surface preparation and painting quality as a result of quality control findings. The program shall incorporate at a minimum, a report of daily QC Inspections.
3. Inspection Access Plan. The inspection access plan for use by Contractor QC personnel for ongoing inspections and by the Engineer during Quality Assurance (QA) observations.
4. Surface Preparation/Painting Plan. The surface preparation/painting plan shall include the methods of surface preparation and type of equipment to be utilized for washing, hand/power tool cleaning, removal of rust, mill scale, paint or foreign matter, abrasive blast or water jetting, and remediation of chloride. If detergents, additives, or inhibitors are incorporated into the water, the Contractor shall include the names of the materials and Safety Data Sheets (SDS). The Contractor shall identify the solvents proposed for solvent cleaning together with SDS.

   The plan shall also include the methods of coating application and equipment to be utilized.
5. Identify inspection hold points. At minimum include the following hold points:
   - Completion of Surface Preparation
   - Surface conditions prior to application of each coat
   - Post Coating Application
   - Development of punch list.
   - Final Inspection
6. Abrasives. Abrasives to be used for abrasive blast cleaning, including SDS. For expendable abrasives, the Contractor shall provide certification from the abrasive supplier that the abrasive meets the requirements of SSPC-AB1. For steel grit abrasives, the certification shall indicate that the abrasive meets the requirements of SSPC-AB3.
7. Protective Coverings. Plan for containing or controlling paint debris (droplets, spills, overspray, etc.), including any tarpaulins or protective coverings proposed for use. For submittal requirements

involving the containment used to remove lead paint, the Contractor shall refer to Special Provision article for Negative Pressure Containment and Collection of Waste Materials, Item 517.4501.S.

C.3.2 Contractor Qualifications.

The personnel managing the Contractor's QC Program shall possess a minimum classification of Society of Protective Coatings (SSPC) BCI certified, National Association of Corrosion Engineers (NACE) Coating Inspector Level 2 - Certified, and shall provide evidence of successful inspection of 3 bridge projects of similar or greater complexity and scope that have been completed in the last 2 years. Copies of the certification and experience shall be provided. References for experience shall be provided and shall include the name, address, and telephone number of a contact person employed by the bridge owner.

The personnel performing the QC tests shall be trained in coatings inspection and the use of the testing instruments. Documentation of training shall be provided. The Contractor shall not replace the QC personnel assigned to the project without advance notice to the Engineer, and acceptance of the replacement(s), by the Engineer.

C.3.3 Quality Control (QC) Inspections.

The Contractor shall perform first line, in process QC inspections. The Contractor shall implement the submitted and accepted QC Program to ensure that the work accomplished complies with these specifications. The designated Quality Control inspector shall be onsite full time during any operations that affect the quality of the coating system (e.g., surface preparation and chloride remediation, coating mixing and application, and evaluations between coats and upon project completion). Completed daily inspection reports shall be turned into the Engineer before work resumes the following day. The Engineer or designated representative will sign the report. The signature is an acknowledgment that the report has been received, but should not be construed as an agreement that any of the information documented therein is accurate.

Contractor QC inspections and daily inspection reporting shall include, but not be limited to the following:

1. Suitability of protective coverings and the means employed to control project debris and paint spills, overspray, etc.
2. Ambient conditions (temperature, substrate surface temperature, relative humidity, dewpoint, wind)
3. Surface preparation (solvent cleaning, pressure washing including chalk tests, hand/power tool or abrasive blast cleaning, etc.)
4. Chloride remediation
5. Coating application (specified materials, mixing, thinning, and wet/dry film thickness)
6. Recoat times and cleanliness between coats
7. Coating continuity and coverage (freedom from runs, sags, overspray, dryspray, pinholes, shadow-through, skips, misses, etc.)

The QC personnel shall not perform hands on surface preparation or painting activities. Painters shall perform wet film thickness measurements, with QC personnel conducting random spot checks of the wet film.

The Contractor shall supply all necessary equipment with current calibration certifications to perform the QC inspections. Equipment shall include the following at a minimum:

1. Sling psychrometer or digital psychrometer for the measurement of dew point and relative humidity, together with all necessary weather bureau tables or psychrometric charts. In the event of a conflict between readings with the sling psychrometer and the digital psychrometer, the readings with the sling psychrometer shall prevail.
2. Surface temperature thermometer
3. SSPC Visual Standards VIS 1, Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning; SSPC-VIS 3, Visual Standard for Power and Hand-Tool Cleaned Steel;

SSPC-VIS 4, Guide and Reference Photographs for Steel Prepared by Water Jetting, and/or SSPC-VIS 5, Guide and Reference Photographs for Steel Prepared by Wet Abrasive Blast Cleaning, as applicable.

4. Test equipment for determining abrasive cleanliness (oil content and water-soluble contaminants) according to SSPC abrasive specifications AB1, AB2, and AB3.
5. Commercially available putty knife of a minimum thickness of 40 mils (1mm) and a width between 1 and 3 in. (25 and 75 mm). Note that the putty knife is only required for projects in which the existing coating is being feathered and tested with a dull putty knife.
6. Testex Press-O-Film Replica Tape and Micrometer compliant with Method C of ASTM D4417, Standard Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel, or digital profile depth micrometer compliant with ASTM D4417, Method B. In the event of a conflict between measurements with the two instruments on abrasive blast cleaned steel, the results with the Testex Tape shall prevail. Note that for measuring the profile of steel power tool cleaned to SSPC-SP15, Commercial Grade Power Tool Cleaning, the digital profile depth micrometer shall be used.
7. Bresle Cell Kits or CHLOR*TEST kits for chloride determinations, or equivalent
8. Wet Film Thickness Gage
9. Blotter paper for compressed air cleanliness checks
10. Type 2 Electronic Dry Film Thickness Gage per SSPC - PA2, Procedure for Determining Conformance to Dry Coating Thickness Requirements
11. Standards for verifying the accuracy of the dry film thickness gage
12. Light meter for measuring light intensity during paint removal, painting, and inspection activities
13. All applicable ASTM and SSPC Standards used for the work

The accuracy of the instruments shall be verified by the Contractor's personnel according to the equipment manufacturer's recommendations and the Contractor’s QC Program. All inspection equipment shall be made available to the Engineer for QA observations on an as needed basis.

C.3.4 Hold Point Notification.

Unless other arrangements are made at the project site, provide the Engineer with a minimum 4-hour notification before a Hold Point inspection will be reached. If the 4-hour notification is provided and the Work is ready for inspection at that time, the Engineer will conduct the necessary observations. If the Work is not ready at the appointed time, unless other arrangements are made, an additional 4-hour notification is required. Permission to proceed beyond a Hold Point without a QA inspection will be granted solely at the discretion of the Engineer, and only on a case-by-case basis.

C.3.5 Quality Assurance (QA) Observations.

The Engineer will conduct QA observations of any or all phases of the work. The presence or activity of Engineer observations in no way relieves the Contractor of the responsibility to provide all necessary daily QC inspections of his/her own and to comply with all requirements of this Specification.

The Engineer has the right to reject any work that was performed without adequate provision for QA observations.

END OF ADDENDUM