

ALABAMA DEPARTMENT OF TRANSPORTATION

DATE: December 11, 2012

Special Provision No. 12-0519

EFFECTIVE DATE: July 1, 2013

SUBJECT: Steel Bridge Coating

Alabama Standard Specifications, 2012 Edition, SECTION 521 shall be revised as follows:

SECTION 521 STEEL BRIDGE COATING

521.04 Blast Cleaning, Mechanical Cleaning and Surface Roughness.

(a) POTENTIAL HAZARDOUS WASTE FROM CLEANING EXISTING STEEL SURFACES.

This Subarticle [521.04(a)] shall be replaced with the following:

(a) POTENTIAL HAZARDOUS WASTE FROM CLEANING EXISTING STEEL SURFACES.

Historically the results of testing performed on existing coatings shows that there is a strong likelihood that the blast waste will be hazardous due to the presence of the heavy metals lead and/or chromium. Existing coatings may be tested, prior to bidding, for potential hazardous materials. The results of this testing, should it be performed, will be provided to potential bidders by plan notes or other supplementary documentation that will be included in the bidding proposal. All cleaning waste (blast waste, mechanical cleaning waste, etc.) shall be handled as hazardous waste until appropriate testing (Toxicity Characteristic Leaching Procedure TCLP, EPA Test Method 1311 test given in the EPA manual SW-846) has been conducted and a determination has been made to the contrary.

The Contractor shall be fully responsible for all expenses that may be due to the handling and disposal of hazardous waste that is generated from cleaning existing steel bridge surfaces.

521.06 Collection and Disposal of Coating Material Waste from Existing Bridge.

The last paragraph of this Article (521.06) shall be replaced with the following:

Copies of all required regulatory documentation, including ADEM Form 8700-12, shall be delivered to the Engineer at the time that they are submitted to the regulatory agencies. The work will not be accepted until all required notifications and permit terminations have been completed and copies of the Receipt of Termination for all permits, including the ADEM Form 8700-12, provided to the Engineer.

521.07 Surface Preparation Plan Submittal for the Removal of Existing Coatings.

This Article (521.07) shall be replaced with the following:

521.07 Surface Preparation Plan Submittal for the Removal of Existing Coatings.

Prior to beginning the work of removing coatings from existing bridges, the Contractor shall submit a Surface Preparation Plan for review and distribution by the Construction Engineer. Copies of the plan shall be submitted as Working Drawings in accordance with the requirements given in Section 105. The Contractor will not be required to have the plan stamped and signed by a Licensed Professional Engineer unless the preparation of details shown on the plan (for example temporary structural supports) is addressed in Alabama law regulating the practice of engineering. The plan shall be created to comply with all rules and regulations of EPA, ADEM, OSHA and any other agency that has regulatory authority and shall include:

- the cleaning methods and products proposed for removal of paint with product manufacturer documentation of the effectiveness of the cleaning methods and products in producing non hazardous blast waste;

- a work phase diagram describing how the debris shall be contained while blasting and coating operations are conducted;
- a detailed drawing and/or description of the enclosure listing the type of covering, details of the covering support materials, details of the connections to the bridge structure;
- methods and equipment proposed for collecting the blast debris;
- description of the containers and the location proposed for storing the blast debris;
- drawing at an appropriate scale to show the location of the storage of the blast waste in relation to the location of the work;
- copies of the submittal of ADEM's Form 8700-12. (If TCLP testing of blast waste proves that it is non-hazardous the Contractor may request release from ADEM's Form 8700-12 with approval of the Engineer.);
- description of the details, location and procedures for disposal of the blast debris.

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