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DIVISION OF ENGINEERING SERVICES
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Be energy efficient!*

March 4, 2011

03-Yol,Pla-80, 65-Variou
03-3M7404
Project ID 0300000596

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN YOLO COUNTY ON ROUTE 80 AT VARIOUS LOCATIONS AND IN PLACER COUNTY ON ROUTE 65 AT HARDING BOULEVARD OVERCROSSING.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Tuesday, March 8, 2011.

This addendum is being issued to revise the Project Plans and the Notice to Bidders and Special Provisions.

Project Plan Sheets 12 and 13 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 10-1.17, "EXISTING HIGHWAY FACILITIES," the following paragraph is added after the first paragraph:

"Attention is directed to Section 7 1.06, "Safety and Health Provisions," of the Standard Specifications. Work practices and worker health and safety shall conform to the California Division of Occupational Safety and Health Construction Safety Orders Title 8, of the California Code of Regulations including Section 5158, "Other Confined Space Operations."

In the Special Provisions, Section 10-1.27, "CLEAN AND PAINT EXISTING STRUCTURAL STEEL," is revised as attached.

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To Bid book holders:

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the Notice to Bidders section of the Notice to Bidders and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the Bid book.

Submit bids in the Bid book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This addendum and attachments are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/03/03-3M7404

If you are not a Bid book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,



JODY JONES
District Director

Attachments

10-1.27 CLEAN AND PAINT EXISTING STRUCTURAL STEEL

Water damaged metal surfaces on the inside of the superstructure of the existing structure (Bridge No.22-0026L/R) shall be cleaned and painted in conformance with the details shown on the plans, the provisions in Section 59-2, "Painting Structural Steel," Section 59-3, "Painting Galvanized Surfaces," and Section 91, "Paint," of the Standard Specifications and these special provisions.

GENERAL

Proof of certification under the SSPC QP Certification Program must be submitted with your bid. Required certifications are as follows:

2. SSPC-QP 2, Category A

The existing paint systems consist of materials listed in "Existing Highway Facilities" of these special provisions.

Prior to performing any painting or paint removal, the Contractor shall submit to the Engineer, in conformance with the provisions in Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications, 3 copies of a separate Painting Quality Work Plan (PQWP) for each item of work for which painting or paint removal is to be performed. As a minimum, each PQWP shall include the following:

1. The name of each Contractor or subcontractor to be used.
2. One copy each of all current ASTM and "SSPC: The Society for Protective Coatings" specifications or qualification procedures applicable to the painting or paint removal to be performed. These documents shall become the permanent property of the Department.
3. A copy of the coating manufacturer's guidelines and recommendations for surface preparation, painting, drying, and curing of painted structural steel, including testing methods and maximum allowable levels for soluble salts.
4. Proposed methods and equipment to be used.
5. Proof of each of any required certifications, SSPC-QP 1 or SSPC-QP 2.

5.1. In lieu of certification in conformance with the requirements in SSPC-QP 1 for this project, the Contractor may submit written documentation showing conformance with the requirements in Section 3, "General Qualification Requirements," of SSPC-QP 1.

6. Proposed methods to control environmental conditions in accordance with the manufacturer's recommendations and these special provisions.
7. Proposed methods to protect the coating during the curing period.
8. Proposed rinse water collection plan.
9. A detailed paint repair plan for the repair of damaged areas.
10. Procedures for containing blast media and water during application of coatings and coating repair of erected steel.
11. Examples of proposed daily reports for all testing to be performed, including type of testing, location, lot size, time, weather conditions, test personnel, and results.

Prior to submitting the PQWP, a prepainting meeting between the Engineer, the Contractor, and a representative from each entity performing painting for this project shall be held to discuss the requirements for the PQWP.

The Engineer shall have 20 days to review the PQWP submittal after a complete plan has been received. No painting or paint removal shall be performed until the PQWP for that work is approved by the Engineer. Should the Engineer fail to complete the review within this time allowance and if, in the opinion of the Engineer, the Contractor's controlling operation is delayed or interfered with by reason of the delay in reviewing the PQWP, the delay will be considered a right of way delay in conformance with the provisions in Section 8-1.09, "Right of Way Delays," of the Standard Specifications.

It is understood that the Engineer's approval of the Contractor's PQWP shall not relieve the Contractor of any responsibility under the contract for the successful completion of the work in conformity with the requirements of the plans and specifications.

The Contractor shall provide enclosures to permit cleaning and painting during inclement weather. Provisions shall be made to control atmospheric conditions inside the enclosures within specified limits during cleaning and painting operations, drying to solvent insolubility, and throughout the curing period in accordance with the manufacturer's recommendations and these special provisions. Full compensation for providing and maintaining such enclosures shall be considered as included in the prices paid for the various contract items of work requiring paint and no additional compensation will be allowed therefor.

Fresh, potable water with a maximum chloride content of 75 ppm and a maximum sulfate content of 200 ppm shall be used for water rinsing, pressure washing, or steam cleaning operations. No continuous recycling of rinse water will be permitted. If rinse water is collected into a tank and subsequent testing determines the collected water conforms to the specified requirements, reuse may be permitted by the Engineer if no collected water is added to the tank after sample collection for determination of conformance to specified requirements.

CLEANING

The exact areas of metal surfaces shown on the plans as locations for clean and paint structural steel and spot blast clean and paint structural steel will be determined by the Engineer.

Metal surfaces identified on the plans as locations for clean and paint structural steel shall be steam cleaned. Metal surfaces shall be steam cleaned as provided in Section 59-2.05, "Steam Cleaning," of the Standard Specifications. The temperature of the steam produced shall be between 275° F and 375° F at the nozzle.

At the option of the Contractor, a pressure wash system with a nozzle pressure between 2,500 psi and 3,000 psi may be substituted for steam cleaning apparatus. Addition of biodegradable detergent to the pressure wash will not be required.

Gloss on the existing paint shall be removed without removing sound paint so that 60 degree specular gloss is less than 6 when measured in conformance with ASTM Designation: D 523.

Areas identified on the plans as locations for spot blast clean and paint structural steel and areas containing rust or other foreign substances that are not removable by steam cleaning and rinsing or pressure washing, and which would hinder the bonding of new paint, shall be spot blast cleaned with abrasive blasting as required in Section 59-2.03, "Blast Cleaning," of the Standard Specifications. Blast cleaning shall not be performed until the surfaces are thoroughly dry.

Mineral and slag abrasives used for blast cleaning steel surfaces shall conform to the requirements for Class A, Grade 2 to 3 abrasives contained in SSPC-AB 1, "Mineral and Slag Abrasives," of the "SSPC: The Society for Protective Coatings," and shall not contain hazardous material.

Steel abrasives used for blast cleaning steel surfaces shall comply with the requirements of SSPC-AB 3, "Ferrous Metal Abrasive," of the "SSPC: The Society for Protective Coatings." If steel abrasive is recycled through shop or field abrasive blast cleaning units, the recycled abrasive shall conform to the requirements of SSPC-AB 2, "Specification for Cleanliness of Recycled Ferrous Metallic Abrasive," of the "SSPC: The Society for Protective Coatings."

A Certificate of Compliance conforming to the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications and a Material Safety Data Sheet shall be furnished prior to use for each shipment of blast cleaning material for cleaning existing steel.

Abrasive blast cleaned surfaces shall be tested by the Contractor for soluble salts using a Class A or B retrieval method as described in Technology Guide 15, "Field Methods for Retrieval and Analysis of Soluble Salts on Steel and Other Nonporous Substrates," of the "SSPC: The Society for Protective Coatings," and cleaned so the maximum level of soluble salts does not exceed the lesser of the coating manufacturer's written recommendations or 10 micrograms per square centimeter. Areas of abrasive blast cleaned steel shall be tested at the rate of 3 tests for the first 1,000 square feet prepared per day, and one test for each additional 1,000 square feet or portion thereof, at locations selected by the Engineer. When less than 1,000 square feet of surface area is prepared in a shift, at least 2 tests shall be performed. If levels of soluble salts exceed the maximum allowed by these special provisions, the entire area represented by the testing will be rejected. The Contractor shall perform additional cleaning and testing of rejected areas until soluble salt levels conform to these requirements.

PAINTING

Paint shall be applied to existing metal surfaces in conformance with the following requirements:

1. Precede each specified undercoat by a stripe coat on all edges, corners, seams, crevices, interior angles, junctions of joining members, weld lines, and similar surface irregularities. This stripe coat shall be of sufficient thickness to completely hide the surface being covered and shall be followed as soon as practical by the application of the full undercoat to its specified thickness.
2. Blast cleaned areas shall be coated with the following paint system in the order listed:
 - 2.1. The first undercoat paint conforming to the requirements for Red Primer Paint-Waterborne, Formula PWB145E, shall be applied in one or more applications to a dry film thickness of not less than 2 mils nor more than 3 mils.
 - 2.2. The second undercoat paint conforming to the requirements for Pink Primer Paint- Waterborne, Formula PWB145E, shall be applied in one or more applications to a dry film thickness of not less than 2 mils nor more than 3 mils.
 - 2.3. The total dry film thickness of undercoats shall be not less than 4 mils nor more than 6 mils.
3. After the total dry film thickness of undercoats has been applied, metal surfaces shall receive the following finish coats in the order listed:
 - 3.1. The first finish coat paint conforming to the requirements for White Tintable Finish Paint, Formula PWB174A, shall be applied in one or more applications to a dry film thickness of not less than 1.5 mils nor more than 3 mils. First finish shall be tinted to match Federal Standard Color 595B, Color No. 30475
 - 3.2. The second finish coat paint conforming to the requirements for PWB174A white tintable finish paint shall be applied in one or more applications to a dry film thickness of not less than 1.5 mils nor more than 3 mils. Second finish shall be tinted to match Federal Standard Color 595B, Color No 30257.

A minimum of 12 hours drying time shall be allowed before applying the succeeding undercoat or finish coat.

The 2 undercoats and first finish coat shall be applied within 30 days of blast cleaning of existing metal surfaces.

The total dry film thickness on areas that have been blast cleaned shall be not less than 7 mils nor more than 12 mils.

The total dry film thickness of new paint on areas not blast cleaned shall be not less than 3 mils nor more than 6 mils.

PAYMENT

Steam cleaning and rinsing, pressure washing, or sanding of exposed surfaces of existing structural steel and finish coat painting of exposed surfaces of existing structural steel will be paid for at a lump sum price for clean and paint structural steel.

The contract lump sum price paid for clean and paint structural steel shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in steam cleaning, pressure washing, and sanding of surfaces of existing structural steel, finish coat painting the exposed surfaces of existing structural steel, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Blast cleaning and undercoat painting of blast cleaned areas will be measured by the square foot of spot blast cleaned areas and will be paid for as spot blast clean and paint undercoat.

The contract price paid per square foot for spot blast clean and paint undercoat shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in spot blast cleaning and painting undercoat on existing surfaces, including testing for soluble salts, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Finish coat painting of exposed surfaces of existing structural steel that have been spot blast cleaned and painted with undercoat will be paid for at a lump sum price for clean and paint structural steel.