

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 50.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001716**Date Inspected:** 24-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Jiangyin**Location:** Chang xing dao, Shanghai**Quality Control Contact:** Mr. Don walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See below**Bid Item:** 77, 78, 79**Lot No:** B# 204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested for the OBG segment, 8CW, internal ceiling surfaces from weld seam to p.p 69 to p.p70 to p.p 71 for the preblasting visual inspection and Residual chlorides test, vide request no. 2560. This Caltrans QA inspector observed, ABF inspectors Mr. Sun, Mr. wei and Mr. Shu wen performing visual inspection of above mentioned areas. Arc strike, left out minor tacking areas have been marked for grinding and magnetic particle testing. Also Salt test was conducted by ZPMC Personnels and the result found to be 20 us/cm which is acceptable as per contract documents. . The ambient conditions found to be 8.2 deg. above dew point and the relative humidity found to be 35.6% inside the paint shop which is found to be within the parameters of contract documents.

2. An inspection was requested for surface preparation inspection of 5BE, 5CE connection weld seam internal ceiling area at Trial assembly area, request no. 2558. This Caltrans inspector observed, ABF Inspector Mr. Sun and Mr. Shi stone performing Blasting inspection of the specified areas. Blasting profile found between 70 to 74 microns which is acceptable as per contract documents. The said surface was accepted for Interzinc 22 application after minor reblast for weld spatter and minor grinding. Ambient conditions were monitored and not found to be suitable for blasting. i.e. 3 deg. above dew point. International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.

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3. An inspection was requested for OBG Counter weight CW 32 and CW 34 for mist coat application inspection vide notification no. 2559. This Caltrans inspector observed, ABF Inspector Mr. wei and Mr. Shi stone witnessing DFT inspection and MEK pencil hardness test performed by ZPMC qc personnels. Pencil hardness test result found in the Grade 5. Other test results also found acceptable, i.e. within the ranges specified in the specifications. Ambient conditions were monitored and found to be within the parameters of contract documents. International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.

Summary of Conversations:

No applicable conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mr. Skyler Guest (15000422360), who represents the Office of Structural Materials for your project.

Inspected By:	Baskar, Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer
