

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 #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002263**Date Inspected:** 04-Jun-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), Changxing Island **Location:** Shanghai, China**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 on the Façade cover plate-13 pieces, and Façade assembly L splices-28 pieces, vide request no. T 625 at Blasting shop 2. This Caltrans inspector observed, ABF inspectors Mr. Sun and Mr. Vince performing said inspection check. It was observed that, these external surfaces were rejected by ABF Inspectors for grinding points and touch ups. The ambient conditions were monitored and is 4 deg. above dew point and the relative humidity found to be 69.3% which is acceptable as per contract documents. These façade plates and assembly L splices again offered for inspection vide notification no. T-625, and the same found accepted by ABF inspectors. X3 Profile test conducted by ZPMC inspectors and the results found to be in the range of 75 to 82 microns. X1 Residual chlorides test have been conducted by ZPMC inspectors and the result found to be 10 us/cm. The result of Residual chlorides test and Profile test found to be acceptable as per contract documents. International protective coatings technical service representative Mr. Lou was found present during the course of this inspection process. Photograph showing ABF inspectors doing inspection and Ambient conditions photograph is attached with this report.

2. An inspection was requested for the South Tower external side adhesion test, vide notification no. T 626. This Caltrans inspector observed, ABF inspectors Mr. Turtle and Mr. Shi Stone performing said inspection check carried out by ZPMC QC inspectors. This test was carried out in 10 places and the result found to be in the range

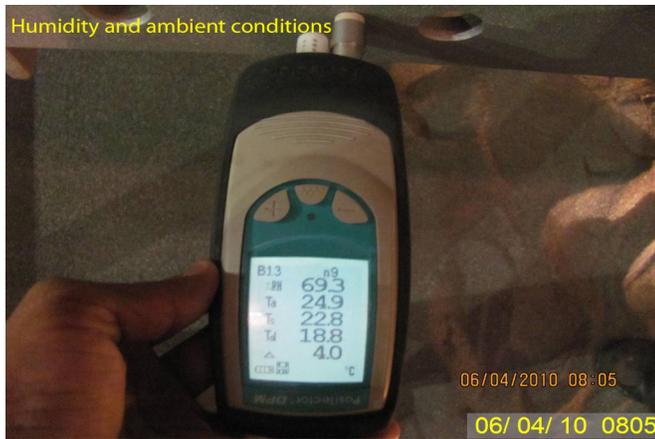
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of 6.46Mpa to 10.77 Mpa, which is acceptable as per contract documents. International protective coatings technical service representative Mr. Lou was not found present during the course of this inspection process.

3. An inspection was requested for the Spare struts-5sets- ED1-A 6001-6, ED1-A6001-7, ED1-A6003-1, SD1-A6002-2, SD1-A6002-6, vide notification no. T 633. This Caltrans inspector observed, ABF inspectors Mr. Shi stone, Mr.Turtle and Mr. Vince performing said inspection check . These surfaces found rejected by ABF inspectors as mud crack, Over sparay and low DFT found in some of the areas. These 5 struts found offered again for inspection and this was found rejected again by ABF inspectors Mr. Don Walton for Low DFT and excessive use of Interzinc 52 for touch ups.International protective coatings technical service representative Mr. Lou was not found present during the course of this inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No applicable conversation

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 Micheal Ng (15921845703), who represents the Office of Structural Materials for your project.

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