

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002880**Date Inspected:** 07-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**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:

An inspection was requested on the OBG Lift 11 East, Internal entire floor from Panel point P.P 102 to P.P 104 for DFT check after Interzinc 22 application and final VT acceptance vide inspection request no. 5647 at OBG assembly yard. This QA inspector observed, ABF Inspectors Mr. Shi Stone, and Mr. Wei found inspecting these surfaces for DFT. This was found not accepted by ABF Inspectors for Overspray, Holidays, sagging and poor surface preparations. Ambient conditions found measured by ZPMC QC Inspectors 10.6 deg. celcius above due point and the relative humidity found to be 41.3 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng was found present during the course of this inspection process.

An inspection was requested on the OBG Cross Beam support areas, CB 15 & CB16 for DFT check after Interzinc 22 application and MEK test vide inspection request no. 5646 at OBG assembly yard. This QA inspector observed, ABF Inspectors Mr. Shi Stone, and Mr. Wei found inspecting these surfaces for DFT and MEK test. This was found not accepted by ABF Inspectors for the failure of MEK test conducted on CB 15 Bottom Support areas. Ambient conditions found measured by ZPMC QC Inspectors 10.5 deg. celcius above due point and the relative humidity found to be 42.6 % which is acceptable as per contract documents. International protective

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coatings technical service representative Mr. Li Peng was found present during the course of this inspection process.

An inspection was requested on the OBG Crash Barrier Internal surfaces -28 nos for DFT check after Interzinc 22 application vide inspection request no. 5648 at Paint shop 2. This QA inspector observed, ABF Inspectors Mr. Shi Stone, found inspecting these surfaces for DFT. This was found not accepted by ABF Inspectors for Low DFT, Overspray, Holidays, sagging and Wet Interzinc 52 in the edges. Ambient conditions found measured by ZPMC QC Inspectors 10.0 deg. celcius above dew point and the relative humidity found to be 44.2 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Andy was 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 relevant 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 Thomas Ho (15002048250), who represents the Office of Structural Materials for your project.

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford, William

QA Reviewer