

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-002883**Date Inspected:** 09-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 Certified coating inspector, Level II, 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 coating inspector observed the following:

An inspection was requested on the Anchor plate AP 3032 -001, for Surface preparation inspection before primer application vide inspection request no. 5678 at Blast shop shop 1. This QA inspector observed, ABF Inspectors Mr.

Wei found inspecting these surfaces for Surface profile. The surface profile measured by ZPMC QC Inspectors found to be in the range of 61 to 86 microns. The salt test conducted at one place found to be 20.5 us/cm. The results of surface profile and Salt test found to be 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 Lift 11 West, Internal entire floor from Panel point P.P 95 to P.P 98-3 sections for DFT check after Interzinc 22 application and final VT acceptance vide inspection request no. 5679 at OBG assembly yard. This QA inspector observed, ABF Inspectors Mr. Wei found inspecting these surfaces for DFT. This was found not accepted by ABF Inspectors for Low DFT, Holidays, sagging and poor surface preparations. Ambient conditions found measured by ZPMC QC Inspectors 10.2 deg. celcius above dew point and the relative humidity found to be 45.3 % 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

SOURCE INSPECTION REPORT

(Continued Page 2 of 3)

process.

An inspection was requested on the Bike path panel BK6A-002, BK4A -018, 005, 012 -4 nos, for finish coat application vide inspection request no. 5681 at Paint shop 3. This QA inspector observed, ABF Inspectors Mr. Sun found inspecting these surfaces . This was found accepted by ABF Inspectors for Finish coat. Ambient conditions found measured by ZPMC QC Inspectors 8.6 deg. celcius above due point and the relative humidity found to be 46.7 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng was found present during the coarse of this inspection process.

An inspection was requested on the OBG Crash Barrier External surfaces -50 nos for DFT check, Residual chlorides test and MEK test after Interzinc 22 application , vide inspection request no. 5680 at Paint shop 2. This QA inspector observed, ABF Inspectors Mr. Sun and Mr. Wei found inspecting these surfaces for DFT . This was found accepted by ABF Inspectors after observing DFT in the range of 86 to 157 microns which is acceptable as per contract documents. The result of MEK test carried out at 6 places found to be in the Grade 5. The result of Salt test conducted at 1 place found to be 10.1 us/cm. The results of Salt test and MEK test found to be acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors 8 deg. celcius above due point and the relative humidity found to be 47.5 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng was found present during the coarse 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 Relevent 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.

SOURCE INSPECTION REPORT

(Continued Page 3 of 3)

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