

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-002888**Date Inspected:** 15-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:** 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 Coating inspector, Level II Certified, 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 Tower, Lift 5 Grillage cover plates -16 nos, vide inspection request no. T-1935 for Surface preparation inspection at Blasting shop 2. This QA inspector observed, ABF Inspector Ms. Helen found inspecting these surfaces. This was found accepted by ABF Inspector after Getting the profile in the range of 78 to 86 microns which is acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors 5.8 deg. celcius above dew point and the relative humidity found to be 42.7 % 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 Crash Barrier cover plates -727 nos for Final acceptance inspection prior to transport from the workshop to the Ship, vide inspection request no. 5766 at Paint shop 2. This QA inspector observed, ABF Inspectors Mr. Helen found inspecting these surfaces for DFT. The DFT found to be within the range of 247 to 335 microns which is acceptable as per contract Documents. This QA Inspector accepted all Crash Barrier cover plates which is subject to Wrapping up the edges where there is excessive Interfine 979. International protective coatings technical service representative Mr. Li Peng was found present during the course of this inspection process.

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An inspection was requested on the OBG Bike path Panels BK 4A -022, 025, 027, 028, 058 -5 Nos and Service platform SP6 -02 for Final acceptance inspection prior to transport from the workshop to the Ship , vide inspection request no. 5782 at Paint shop 1. This QA inspector observed, ABF Inspectors Ms. Helen found inspecting these surfaces for DFT. The DFT found to be within the range of 240 to 342 microns which is acceptable as per contract Documents. This QA Inspector accepted Bike path panel BK4 -027 prior to transport from the Workshop to Ship. Other 4 bike path panels were not accepted due to Sagging in side plates and Pineholes in Interfine 979 finish. Service platform SP6-02 is not accepted for Sagging and High DFT. This service platform were again offered for Inspection vide Notofication no. 5786 after fixing the earlier problems. This was found accepted after minor Touchups. 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 Lift 11 West, Internal entire floor from Panel point P.P 104 to P.P 106 -2 sections and P.P 107 to 108 -1 section for DFT check after Interzinc 22 application and final VT acceptance vide inspection request no. 5785 at Ship no. 18 in Heavy Dock Jetty. This QA inspector observed, ABF Inspectors Mr. Sun and Mr. Wei found inspecting these surfaces for DFT . Panel point 107 to 108 found accepted by ABF Inspectors after minor touch ups in corners. P.P 104 to 106 was found not accepted by ABF Inspectors for Holidays, sagging and Overspray in some of the areas. Ambient conditions found measured by ZPMC QC Inspectors 5.8 deg. celcius above due point and the relative humidity found to be 42.2 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Andy was found present during the coarse of this inspection process.

An inspection was requested on the Tower, Lift 5 Grillage shaft -4 nos, External faying surfaces -Top side, vide inspection request no. T -1937 for DFT check after Interzinc 22 application. This QA inspector observed, ABF Inspector Mr. Sun found inspecting these surfaces . This was found accepted by ABF Inspectors after Getting the profile in the range of 32 to 95 microns which is acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors 4.8 deg. celcius above due point and the relative humidity found to be 42.7 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Andy 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.

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Summary of Conversations:

No Relevant 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 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