

**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-002887**Date Inspected:** 14-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 OBG Bike path Panels BK 4A -022, 029, 034, 058 -4 Nos for Final acceptance inspection prior to transport from the workshop to the Ship, vide inspection request no. 5764 at Paint shop 1. This QA inspector observed, ABF Inspectors Mr. DeeJay 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 BK41 -034 prior to transport from the Workshop to Ship. Other 3 bike path panels were not accepted due to Sagging in side plates and Dry spray. International protective coatings technical service representative Mr. Li Peng and Mr. Andy was found present during the course of this inspection process.

An inspection was requested on the OBG Crash Barrier -6 nos for Final acceptance inspection prior to transport from the workshop to the Ship, vide inspection request no. 5769 at Paint shop 2. This QA inspector observed, ABF Inspectors Mr. DeeJay found inspecting these surfaces for DFT. The DFT found to be within the range of 245 to 337 microns which is acceptable as per contract Documents. This QA Inspector all 6 Crash Barrier external surfaces after minor touch ups in edges and sanding. International protective coatings technical service

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# SOURCE INSPECTION REPORT

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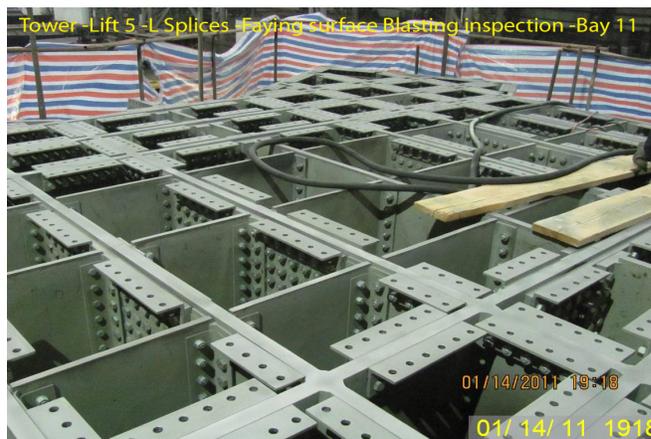
representative Mr. Andy was found present during the course of this inspection process.

An inspection was requested on the OBG Lift 11 East, Internal entire floor from Panel point P.P 95 to P.P 97 -2 sections for DFT check after Interzinc 22 application and final VT acceptance vide inspection request no. 5770 at Ship in Heavy Dock Jetty. This QA inspector observed, ABF Inspectors Mr. Sun and Mr. Wei found inspecting these surfaces for DFT . Panel point 95 to 96 found accepted by ABF Inspectors after minor touch ups in corners. P.P 96 to 97 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 50.2 % 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.

An inspection was requested on the Tower, Lift 5 Grillage shaft -4 nos, External faying surfaces -Top side, vide inspection request no. T -1931 for Surface preparation inspection at Bay 11. This QA inspector observed, ABF Inspector Mr. Sun and Mr. Wei found inspecting these surfaces . This was found accepted by ABF Inspectors after Getting the profile in the range of 74 to 84 microns which is acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors 9.5 deg. celcius above due point and the relative humidity found to be 48.1 % 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 Coinversations

## 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.

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<b>Inspected By:</b>	Baskar, Govindarajan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford, William	QA Reviewer

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