

**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-002893**Date Inspected:** 20-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 Coating inspector, 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 Grillage External surface -4 shafts, vide inspection request no. T-1954 for for Surface preparation inspection after Finish coat at Ship no. 18, Heavy Dock Jetty. This QA inspector observed, ABF Inspectors Mr. Shi Stone found inspecting these surfaces. DFT found measured by ZPMC QC Inspectors and ABF Inspectors and found to be in the range of 230 to 340 microns which is acceptable as per contract Documents. Ambient conditions found measured by ZPMC QC Inspectors which is 4.3 deg. celcius above due point and the relative humidity found to be 38.6 %, Surface temperature of the substrate found to be 5.1 deg. C, which is acceptable as per contract documents. International protective coatings technical service representative was not found present during the coarse of this inspection process for Technical discussion.

An inspection was requested on the OBG Splice plates -144 pieces, vide inspection request no. 5817 for for Surface preparation inspection before primer coat at Blasting shop 1. This QA inspector observed, ABF Inspectors Mr. Shi Stone found inspecting these surfaces. The profile measured by ZPMC QC Inspectors at 3 places found to be in the range of 81 to 84 microns. The salt test result carried out in 1 place found to be 12.1 US/CM. Both Profile and Salt test results found to be acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors which is 6.1 deg. celcius above due point and the relative humidity found to be 41.6 %, which is acceptable as per contract documents. International protective coatings technical service representative

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# SOURCE INSPECTION REPORT

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was not found present during the course of this inspection process for Technical discussion.

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 Hu (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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