

**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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002557**Date Inspected:** 30-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**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:

1. An inspection was requested on the OBG Shim plates, GGL-MQ-1728 -92 nos, vide request no. 3892 at Painting workshop 2 for Surface preparation inspection. This QA inspector observed, ABF inspector Mr. Vince and Mr. Sun performing the said inspection and accepted the same. The X3 profile observed ranged from 80 to 84 microns, which is acceptable as per Contract documents. The ambient conditions were measured and is 8.7 deg. above dew point and the Relative humidity found to be 72.7% which is acceptable as per contract documents. International protective coatings technical service representative was not present during the course of this inspection process. (Photo of Shim plates and ambient condition measurement is attached)
2. An inspection was requested on the OBG segment 10AE, internal ceiling from the pre weld seam to P.P 86 to P.P 87 to P.P 88 to the pre weld seam(4 sections) for DFT check of primer coat, vide request no. 3891 at Paint shop 2. This QA inspector observed, ABF inspectors Mr. Turtle, Mr. Hong and Mr. David performing the said inspection. This QA inspector observed, ABF inspectors rejected all internal surfaces for Dry spray, Overblast and Low DFT. This was again offered for inspection vide notification no. 3893. This was found accepted by ABF inspectors Mr. Sun and Mr. Hong. International protective coatings technical service representative Mr. Lou Qian Chuan. was found present during the course of this inspection process.

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3. An inspection was requested for the OBG internal ceiling from the pre-weld seam to P.P91 to P.P 89 -3 sections (10BW), vide inspection request no. 3890 for Surface preparation inspection. This Caltrans inspector observed, ABF inspector Mr. Sun, Mr. Turtle and Mr. Vince performing the Blasting inspection. Mr. Larry Viars (B 252), Mr. Vibin (B 294) and Mr. Chandra (B 247) from CT were present during the inspection and they marked all the Grinding points and weld repair points. The Blasting profile was found not accepted by ABF Inspectors as blasting was not proper in all areas. International protective coating representative Mr. Lou Qian Chuan found present during the 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 Michael Ng (15921845703), who represents the Office of Structural Materials for your project.

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