

**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-001329**Date Inspected:** 10-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1200**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2359**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**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:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 6AE, OBG 4AE/4BE, East Tower Lift #**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley 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 III coating inspector observed the following:

**Office**

Attend to project documentation and report writing.

**Cross Beam #3**

Internal Interzinc 22 coated surfaces in blast shop for repairs due from trial assembly.

**Miscellaneous Metal**

Base metal surfaces of 350+- splice plates, corner unit sub assemblies and three suspender brackets SB 14W, SB 18E, SB 12W were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied.

**East Tower Lift #1**

Dry film thickness (DFT) verification on interior Interzinc 22 coated surfaces was performed by ABF QA representatives and International Protective Coatings (IPC) technical service representative Alpha Chen with ZPMC QC personnel.

**Counterweights**

Counterweights numbering CW 24, CW26, CW28 internal surfaces received "mist" coat application of Intercure 200HS on surfaces to be in contact with concrete.

**OBG 4AE/4BE**

Existing damaged coatings were removed to base metal to an SSPC SP-10 condition and re-application of Interzinc 22 was applied to internal surfaces. Profile amplitude was 72-78um.

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# SOURCE INSPECTION REPORT

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OBG 6AE

Grinding and edge conditioning in process on base metal to remove visible sharp edges and visible fabrication defects prior to abrasive blasting operations.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when possible. International protective Coatings technical service representatives Mr.Peng ZiLi and Mr. Alpha Chen participated in the inspections and were available for consultation

**Summary of Conversations:**

No relevant conversations on this date.

**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 Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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