

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-001454**Date Inspected:** 30-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**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 5BW, OBG 7DEE, 7EE, OBG 1BW, Misc**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:

OBG 5BW

Exterior base metal surfaces were abrasive blasted to SSPC SP-10 condition and application of Interzinc 22 applied to prepared substrate.

OBG 1BW

ZPMC cancelled mist coat application to the exterior surfaces. Hardness testing was performed and all testing met requirements of the contract documents.

Miscellaneous Metal

Splice plates and handrail splice plate assemblies were in process de-greasing operations behind paint shops #1 & #2.

OBG 1BW

ZPMC requested mist coat preparation inspection. ABF QA representative and International Protective Coatings representative directed ZPMC not to apply mist coat polysiloxane as ZPMC had not removed dry-spray from exterior surfaces nor masked locations of faying surfaces. ZPMC complied and mist coat was not applied.

OBG 7DE & 7EE

De-greasing operations of base metal faying surfaces of floor beam diaphragms within fabrication shop #14 in preparation of abrasive blasting operations.

SOURCE INSPECTION REPORT

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Summary of Conversations:

ABF QA Bill Oak and International Protective Coatings representative directed ZPMC QC not to apply "mist" coat to exterior surfaces of OBG 1BW as surfaces were not in compliance with contract documents.

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.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
