

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-001460**Date Inspected:** 22-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 2AE, OBG 2BE, Counterweights**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 2AE

Floor area "T" stiffeners and lower floor beam section of base metal surfaces were abrasive blasted to SSPC SP-10 and Interzinc 22 was applied.

OBG 2BE

Mud cracked areas were identified and re-abrasive blasted to remove affected area of deficient coating, perimeter was feathered to create a smooth transition and Interzinc 22 was applied. Profile amplitude was 73-84 um. ZPMC personnel applied Interzinc 52 around perimeter of blasted areas at direction of Zili Peng of International Protective Coatings which exceeded the allowable limit and use of the organic zinc rich primer per the approved PQWP. ZPMC was directed by ABF QA Don Walton to remove the Interzinc 52 and re-apply Interzinc 22.

Counterweights

A total of eight counterweight assemblies were rejected by ABF QA representatives and NCR's issued. Interior surfaces exceeded specified DFT range per specification and manufacturers product data sheets. Mud cracking was evident and ABF directed ZPMC to remove and replace the coating.

Note: All inspections were performed jointly with ABF&ZPMC QA/QC personnel and Caltrans QA Lumley. International Protective Coatings technical service representative also participated in the inspection process.

Summary of Conversations:

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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, 9858) 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
