

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-001457**Date Inspected:** 26-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 1BW, OBG 2AE, Counterweights, Sub-**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:
Counterweights

Eight previously repaired assemblies which were abrasive blasted and repaired twice already require complete removal of the Interzinc 22 once again. ZPMC applicators applied mist coat of Interfine 979 to exterior surfaces and failed to protect the interiors from overspray. ZPMC applicators were observed applying Interzinc 22 over Interfine 979 overspray on the interior surfaces. International Protective Coatings technical service representative Peng ZiLi rejected the work and directed ZPMC QC to remove the coatings via abrasive blasting.

OBG 1BW

ZPMC abrasive blasted base metal surfaces to SSPC SP-10 condition and applied Interzinc 22 to "U" rib stiffeners ceiling area, vertical surfaces of floor beams and diaphragms. Profile amplitude was 70-85um.

Miscellaneous Metal

Degreasing operations in process as well as edge conditioning behind paint shops.

OBG 2AE

External surfaces were masked and application of Interfine 979 mist coat applied. MEK testing was performed on interior surfaces and a 5 rating was observed. Dollies were affixed for future adhesion testing on interior Interzinc 22 coated surfaces. Repairs and touch up were in process on interior surfaces, Interzinc 52 applied to bolt holes and weld relief holes.

Note:

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All inspections were performed jointly with ZPMC & ABF QA/QC representatives and Caltrans QA Lumley, International Protective Coatings technical service representative Zili Peng was also in attendance.

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.

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