

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-001240**Date Inspected:** 14-Jul-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 1AAE, Lift 4E, Office, 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:

Office

Project documentation sorting and organizing.

Lift 4 East

Localized areas on internal surfaces damaged from trial assembly were re-abrasive blasted to base metal and an SSPC SP-10 condition and Interzinc 22 re-applied.

Counterweights

Interfine 979 full top coat was applied to the following units: CW228, CW32, CW36, CW44. Units CW22 & CW24 were rejected for application of top coat by ABF QA representatives.

Bikeway Brackets

Bracket codes BK001-001, BK001-004, BK001-005, BK001-007, BK001-009, BK001-011, BK001-014, received final topcoat of Interfine 979 to all external surfaces. Inside paint shop #2.

Counterweights

ZPMC requested final inspection of units CW10 & CW14 of previously applied topcoat Interfine 979. ABF QA Bill Oak informed ZPMC no final Inspections until reference panels were delivered for comparison.

Suspender Brackets

Brackets coded: SB12E, SB28E, SB12W, SB18W, SB28W were inspected for final top coat application and rejected by ABF QA. Additional cleaning of residual dust and dirt required prior to top coat application. A second

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

inspection was requested at approximately 16:30 and Interfine 979 application commenced.

Miscellaneous Metal

Base metal surfaces of approximately 60 splice plates and fill plates were de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

OBG 1AAE

Internal surfaces previously blasted and coated required re-blasting and re-application after repairs from fabrication damages and defects. Previously coated surfaces were re-abrasive blasted to an SSPC SP-10 condition and re-application of Interzinc 22 was performed inside blast shop #1. Internal surface welds were inspected by Caltrans QA Steve Hall and deficiencies mapped accordingly prior to application of coating.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representatives were available for inspections and consultation.

Summary of Conversations:

No relevant conversations on this day.

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
