

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-001330**Date Inspected:** 11-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:** South Tower Lift #1, OBG 5CW, Miscellaneous**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:

South Tower Lift #1

Internal base metal surfaces from 18M-0M diaphragms were abrasive blasted and rejected by ABF QA inspectors. Weld defects and arc strikes as well as grinding operations require amendment.

OBG 5CW

External Interzinc 22 coated surfaces were tested for chlorides and also cure via MEK rub. MEK tests all exhibited a 5 rating and chlorides were below 10ug/cm.

Miscellaneous Metal

Base metal surfaces of approximately 470+- pieces of splice plates, channel Iron, shim plates, and 3 bikeway brackets were washed and de-greased in preparation of abrasive blasting operations.

OBG 4BW

Existing damaged Interzinc 22 was removed to base metal via abrasive blasting and Interzinc 22 applied on the cross beam trial assembly connection. Profile amplitude was 74-82um.

OBG 4BE/4AE

Pedestal support areas were "mist" coated with Interfine 979 approximately two square meters were coated.

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

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

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
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Reviewed By:	Carreon,Albert	QA Reviewer
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