

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-002408**Date Inspected:** 03-Mar-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**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:** Coating Inspection**Bridge No:** 34-0006**Component:** Office, Trial Assembly,**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:

Sub-Assemblies

Previously abrasive blasted and undercoated Wind Vortex Plates which exhibited non compliant Dry Film Thickness (DFT) readings were re-abrasive blasted to base metal and an SSPC SP-10 condition to remove all previously applied undercoat and re-application of Interzinc 22 undercoat was performed. This was done to repair faying surface areas which exhibited DFT readings in excess of 250µm.

Trial Assembly

Received a telephone call from Caltrans Engineer Bill Howe requesting information as to the output CFM of the current dehumidification units being utilized by ZPMC. Together with Caltrop SMR Eric Tsang it was observed the rated output was 1600 Square meters per hour and Bill Howe was informed of such.

Office

SMR Skyler Guest requested a review and research of documentation relative to sampling records of approved coatings Interzinc 52 and Interfine 979. Also Mr. Guest requested the International Protective Coatings (IPC) technical service representative provide samples of liquid coatings for testing. Mr. Zili Peng (IPC) was ill today and left the work site early.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and 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) 9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
----------------------	--------------	-----------------------------

Reviewed By:	Peterson,Art	QA Reviewer
---------------------	--------------	-------------