

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-001419**Date Inspected:** 02-Jun-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 5CE, Cross Beam #4, Miscellaneous Metal**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 5CE

Exterior base metal surfaces were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Profile amplitude was 68-80um. Prior to coating application VT was performed by Caltrans QA Rodney Patterson and deficiencies mapped.

Miscellaneous Metal

Base metal surfaces of 10 large splice plates X202D, X20B, X202E were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied.

Cross Beam #4

ZPMC personnel attempting to remove excess previously applied Interzinc 22 from exterior surfaces by sanding, this proved ineffective and ZPMC abandoned this process and commenced abrasive blasting affected areas.

Miscellaneous Metal

Base metal surfaces of approximately 720+- pieces of traveler brackets, splice plates, and angle iron were de-greased prior to abrasive blasting.

OFFICE

Organize files and project documentation also report writing.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley. International Protective Coatings technical service representatives Mr. Peng ZiLi and Mr. Alpha Chen

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were also present during inspections for ZPMC consultation.

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
