

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-001263**Date Inspected:** 26-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 #2, OBG 1AAW, OBG 2AW**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 1AAW

Existing damaged coatings were abrasive blasted to base metal and an SSPC SP-10 condition and Interzinc 22 applied. Surfaces to be in contact with concrete/grout were re-coated with Intercure 200 HS. Segment then went back into fabrication shop for additional repairs.

OBG 2AW

Repairs to existing damaged coatings by abrasive blasting to base metal to an SSPC SP-10 condition and Interzinc 22 re-applied.

South Tower Lift #2

Internal surfaces of base metal from 65M-80.75M were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. The entire external base metal surfaces of skins A,B,C,D,E were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Profile amplitude was 66-80 um on internal surfaces and 70-82 um on external surfaces. Three (3) inspections were performed prior to application.

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

Summary of Conversations:

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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
