

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-001526**Date Inspected:** 21-Jan-2009**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:** 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 5AE**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: ZPMC personnel commenced with screening and sanding to remove dryspray from surfaces for additional application of Interzinc22. ZPMC QC were observed checking DFT readings and directing applicators which areas require additional coat of Interzinc22.

ZPMC QC also monitored ambient conditions during the in process Interzinc 22 application.

Caltrans QA Lumley discovered areas on floor that exhibited soft and powdery condition and was easily removed by rubbing with index finger to the base metal. QA Lumley discussed with the Lead QA inspector D. Jordan and was informed these areas can be reblasted after the weld repairs and re-blasting occurs. Airspray was utilized for this application and also supplemented with brushing and roller application. All airspray pots are equipped with agitators and airless spray application on exterior surfaces also utilized agitators

Summary of Conversations:

ABF QA representative informed Caltrans QA Lumley of low DFT on numerous areas of OBG 5AE. The Interzinc 22 product data sheet states that Interzinc 22 can be over-coated with itself provided no weathering has occurred and is still fresh.

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

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your project.

Inspected By: Lumley,James

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer