

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-002424**Date Inspected:** 11-Feb-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:** Lift 5 West, Lift 5 East, Office, OBG 7DW**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:

Office

Attend to NACE certification update documentation and project files and documentation.

OBG 7DW

Internal floor areas and lower Chevron assemblies and "T" stiffeners on the side and bottom plate base metal surfaces were abrasive blasted for VT inspection which was performed by Caltrans QA Tim McClendon and deficient areas mapped accordingly. Base metal repairs such as grinding burrs and fins was performed and the surfaces then re-abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat applied.

Lift 5 East

ZPMC requested a "Final" inspection of the "U" rib stiffeners and Upper Chevron assemblies and FL-2-1 Beams from Panel Points 34, 35, 36 including the end weld seam. ABF QA rejected the work as repairs were incomplete, over-blast damage was evident NDT damages as well as dry-spray.

Lift 5 West

Internal "U" rib stiffener areas were visually inspected prior to a ZPMC notification and numerous repairs were incomplete. Currently bolt installation is being performed at Panel Point 34. Cleaning operations are also being conducted.

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

SOURCE INSPECTION REPORT

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inspections and 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
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Reviewed By:	Peterson,Art	QA Reviewer
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