

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-002349**Date Inspected:** 10-Nov-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:** 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:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 7BE, OBG 6CW, Sub-Assemblies, Offi**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 7BE

Internal Base Metal surfaces of the Bottom Plate and Side Plate "T" Stiffeners and lower Chevron assemblies and Longitudinal Diaphragms were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied from Panel Points # 50, 51, 52 to end Weld Seam. VT was performed by Caltrans QA Tim McClendon and mapped accordingly. Profile amplitude was 70-84um. A total of 6 (six) inspections took place prior to compliance with SSPC SP-10 and coating application.

OBG 6CW

Caltrans QA Lumley perform walk through of paint workshop and observed no coating application on the internal surfaces of this segment. ZPMC personnel were observed screening and sanding dry-spray and runs from previous coating applications and cleaning residual dust from Side Plates and Bottom Plates. Incident Report for previous work performed during non-compliant ambient conditions still remains unresolved yet ZPMC are continuing to perform repairs on the internal surfaces of undercoat. External surfaces were tested for adhesion and all values exceeded 4Mpa.

Sub-Assemblies

Base Metal surfaces of 30 pieces of X38L Splice Plates were cleaned in accordance with SSPC SP-1 in preparation of abrasive blasting.

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SOURCE INSPECTION REPORT

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Task Leader Albert Carreon assisted QA Lumley in accessing PMIV and installing reports onto the server.
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.

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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