

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-002388**Date Inspected:** 14-Jan-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:** ub-Assemblies, OBG 8BE, OBG 7CW, OBG**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 8BE

Internal base metal surfaces were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat applied to prepared surfaces. "U" Rib Stiffeners, Chevron Assemblies, Upper Corner Units, and Floor Beam Diaphragms from Panel Points # 65,66,67 were undercoated in the upper areas. Profile amplitude was 73-82um. Two inspections were performed prior to application.

Sub-Assemblies

Base Metal surfaces of 220 splice plates were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat applied. Splice Plate codes: X38B, X38D, X38H, X38L, X4E, X4F.

Sub-Assembly

Base Metal surfaces of Cross Beam Bottom Plate for OBG 7BW were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting.

OBG 7CW

Internal undercoated surfaces were inspected for general compliance for Dry Film Thickness (DFT) and found to be non-compliant with the contract documents as over-blasted damage areas were observed as well as Low DFT areas and holidays. ABF directed ZPMC to resubmit for re-inspection and verification after repairs were completed.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA

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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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