

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-001443**Date Inspected:** 10-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**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 1AW, OBG 2AW, Cross Beam #1 Misc**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 1AW

Base metal surfaces were abrasive blasted to SSPC SP-10 condition of "U" rib stiffeners and vertical diaphragms. Areas required grinding followed by re-blasting and Interzinc 22 was applied.

OFFICE

Review and sign backlog of ZPMC reports. ZPMC QC erroneously documented improper coating proportioning and amended, ABF Bill Oak & Caltrans QA Lumley review and sign.

Miscellaneous Metal

Approximately 200-300 splice plate base metal surfaces were abrasive blasted to SSPC SP-10 condition and Interzinc 22 applied.

Cross Beam 2AW

Adhesion testing performed on Interzinc 22 coated external surfaces and the following values were observed: 1) 7.17Mpa 2) 13.03 Mpa 3) 10.01 Mpa

Miscellaneous Metal

Paint shop #2 check in process application of Interzinc 22 to approximately 400 +- splice plates, Interzinc 52 application to interior surfaces of bolt holes also being performed.

Cross Beam #1

De-greasing and water washing operations and edge conditioning in process prior to entering blast shop.

SOURCE INSPECTION REPORT

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East tower Lift #1

Interior de-greasing operations and verification.

Note: all Inspections performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley.

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.

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| Inspected By: | Lumley,James | Quality Assurance Inspector |
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| Reviewed By: | Carreon,Albert | QA Reviewer |
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