

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-001487**Date Inspected:** 08-Apr-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 1BE, OBG 4BE, Sub-Assemblies**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 1BE

Joint three party blast inspection of base metal surfaces with ZPMC, ABF QA/QC representatives and Caltrans QA Lumley took place on the exterior base metal surfaces. Three inspections were performed and SSPC SP-10 was not met until the fourth reblast was performed. ZPMC applied Interzinc 22 to the exterior.

OBG 4BW

MEK rub testing performed as well as adhesion testing all testing passed the minimum value specified by contract documents. ZPMC personnel resume sanding and screening and application of Interzinc 52 to the interiors of the bolt holes.

Sub-Assemblies

Follow-up inspection edges and bolt holes in process application of Interzinc 22 to edges and Interzinc 52 to bolt holes.

OBG 4BE

Mask and application of "mist" coat of Interfine 979 to exterior surfaces.

OBG 1BE

ZPMC commenced abrasive blasting to the interior base metal surfaces after application of Interzinc 22 dried on previously coated exterior base metal surfaces.

International Protective coatings technical service representative Peng ZiLi was present for all inspections and

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mixing and thinning operations.

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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

Reviewed By: Miller,Mark

QA Reviewer