

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-002361**Date Inspected:** 21-Dec-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:** 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:** Coating Inspection**Bridge No:** 34-0006**Component:** Office, Cross Beams 1, 2, &3, Lift 4 East, OB**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

Sort and organize project documentation.

Cross Beams 1, 2, 3

ZPMC personnel are in process of removal of "Rust Stain" on the Top Plate surfaces using GTA #803 solvent.

The operation was observed by Caltrans Engineer Bill Howe and ABF QA Bill Oak, ASMR Skyler Guest and

Caltrans QA Lumley while the work was being performed. After the solvent cleaning was performed on adjacent

areas already cleaned the decision was to not abrasive blast the surfaces per the contract requirements as the

shipping date could possibly be impacted. ZPMC put forth a "Best Effort" for the removal of the rust stained areas prior to transport from China.

Lift 4 East

Finish coat was applied to the NDT repaired area located on the weld seam of the bottom plate/side plate area. The repair was deemed to be in general compliance with the contract documents and the agreed upon method. A final inspection is to be conducted prior to transport from China.

OBG 7BW

External undercoated surfaces were tested for adhesion and found to be above the requirements of the contract of 4Mpa.

OBG 8AE

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Internal Base metal surfaces of the Bottom and Side Plates “T” Stiffeners and Chevron Assemblies and lower portion of the Diaphragms from Panel Points 62-64 including the end Weld Seam were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat applied. A total of 4 inspections were conducted until SP-10 cleanliness was achieved.

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
Reviewed By:	Peterson,Art	QA Reviewer
