

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-000549**Date Inspected:** 22-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai

Quality Control Contact:	ABF Paint Supervisor William (Bill) [Name obscured]	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: Surface Preparation and Coatings Application**Bridge No:** 34-0006**Component:** OBG 2AE, 2BE**Bid Item:** 79, 80, 81**Lot No:** B226**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Donald Jordan 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 2AE

A VT Inspection was requested by ZPMC and ABF on OBG 2AE. Several spots were marked for welding repairs in one section by Caltrans QA Welding Inspectors Larry Viars, Paul Dawson and Shrikant Utekar. The locations for weld repairs were mapped out by the welding inspectors. Due to the number of weld repairs found in this section QA decided to wait until ZPMC and/or ABF inspectors performed their inspection tasks before continuing. Caltrans QA Coatings Inspector Jordan, American Bridge/Fluor Enterprises, a JV (ABF) QC Zhou Qun Song (Joe), ABF QC David Duon, ABF QC Shi Zhaoyuan (Stone), ABF QC Zhou Wei, International Paint (IP) Onsite Technical Services Engineer (OTSE) Peng Zi Li, IP OTSE Alpha Chen, Zhenhua Port Machinery Company, LTD (ZPMC) Production Manager Bevin Dong, ZPMC QC Manager Xia Yong, ZPMC QC Zhang Diang, ZPMC QC Dong Yao Fei and ZPMC QC Guo Wan Li.

OBG 2AE

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC for Abrasive blast surface preparation on the floor area of OBG 2AE. The internal surface was abrasive blasted. Areas were marked and grinding was performed to correct fabrication defects. Abrasive blasting resumed after the grinding was completed. This inspectors shift ended prior to the completion of the re-blast. Caltrans QA Coatings Inspector James Lumley will perform the next inspection.

OBG 2 BE

SOURCE INSPECTION REPORT

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Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC for abrasive blast surface preparation on the exterior of OBG 2 BE. Areas where mud-cracking in the primer coat was identified was removed by abrasive blasting. The areas were inspected and approved for primer application. The edges were feathered in by wire wheel grinding. The feathered area was taped off prior to applying the Interzinc 22 to prevent the primer from overlapping the cured coating. ZPMC's intent was after the primer has cured the tape will be removed and Interzinc 52 epoxy primer will be applied to the edges to tie in the old and new zinc primers. ABF instructed them to remove the tape and apply the coating properly into the feathered area.

Fabrication on assembled components of the OBG's are not complete. Coating damage requiring re-blast is expected.



Summary of Conversations:

There were 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 Mazen Wahbeh (China) +8613472477571, who represents the Office of Structural Materials for your project.

Inspected By:	Jordan,Don	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
