

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-000733**Date Inspected:** 04-Jul-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) 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: Surface Preparation and Coatings Application**Bridge No:** 34-0006**Component:** OBG L3E, L4E, L5E, Misc. Metal**Bid Item:** 77,78,79,80**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:

The following inspections were performed by Caltrans QA Coatings Inspector Jordan, American Bridge/Fluor Enterprises, a JV (ABF) Paint Supervisors William (Bill) Oak and Don Walton, ABF QC Zhou Qun Song (Joe), ABF QC David Duon, ABF QC Shi Zhaoyuan (Stone), ABF QC Zhou Wei, ABF QC Wei Chang Yun, ABF QC Sun Xiong, International Paint (IP) Onsite Technical Services Engineer (OTSE) Peng Zi Li, IP OTSE Alpha Chen, Zhenhua Port Machinery Company, LTD (ZPMC) QC Manager Xia Yong, ZPMC QC Zhang Diang, ZPMC QC Dong Yao Fei and ZPMC QC Guo Wan Li, ZPMC QC Xie Yong Gang, ZPMC QC An Ming, ZPMC QC Dong Ji Fang and ZPMC QC Xia Yu Juan.

All Notices of Inspection and Quality Control (QC) Inspection reports signed by Mr. Jordan on this date identify receipt of the documentation and are not intended to be identified as acceptance or rejection of the work performed.

OBG Lifts 3E, 4E, 5E

First Inspection

Caltrans QA Coatings Inspectors received Notices of Inspection to attend joint inspections with ABF and ZPMC QC for surface preparation by abrasive blasting and primer coat application on OBG Lifts OBG Lifts 3E, 4E and

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5E weld seam joints. Upon arriving Caltrans QA Coatings Inspector Jordan noticed that ZPMC was recycling the expendable abrasive. This was brought to ABF and ZPMC QC's attention. The blast pots were cleaned out and new abrasive used to re-blast the surfaces with. Additionally the abrasive blasted surfaces did not meet the Society for Protective Coatings (SSPC) SP10 Near White Metal Contract requirements. ZPMC was informed by ABF QC that further grinding and abrasive blasting was required. ABF QC's determination was verified by Caltrans QA Coatings Inspector Jordan. The contractor began performing the repairs as directed by ABF QC personnel.

Second inspection

Upon arriving Caltrans QA Coatings Inspector Jordan noticed that ZPMC was recycling the expendable abrasive. ABF was informed that if the abrasive was recycled again that an Incident Report would be written. Additionally the abrasive blasted surfaces did not meet the Society for Protective Coatings (SSPC) SP10 Near White Metal Contract requirements. ZPMC was informed by ABF QC that further grinding and abrasive blasting was required. ABF QC's determination was verified by Caltrans QA Coatings Inspector Jordan. The contractor began performing the repairs as directed by ABF QC personnel. A third inspection request was not received for this area during the morning shift.

OBG Miscellaneous Metal

Caltrans QA Coatings Inspector Jordan received a call that painting was being performed in the trial assembly area. Upon investigation the contractor was applying Interfine 200 HS to the interior portion of a counterweight segment over the zinc primed surface. The interior of the counterweights are not required to be coated because they will be filled with concrete. The 200HS was being applied to cover the zinc primer which will react with the concrete and cause premature structure loss.

Caltrans QA Coatings Inspectors received Notices of Inspection to attend joint inspections with ABF and ZPMC QC for surface preparation by abrasive blasting and primer coat application on 2 suspender brackets being abrasive blasted to remove mud-cracked zinc primer. The inspection was canceled by ZPMC.

Fabrication on assembled components of the OBG's and Towers are not complete. Outstanding weld repairs have not been performed. Coating damage requiring re-blast is expected.



Summary of Conversations:

There were no relevant conversations on this date.

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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
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Reviewed By:	Carreon,Albert	QA Reviewer
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