

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-000632**Date Inspected:** 23-May-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 1AAE Lift 1,2,3 CB4, Tower L1E**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, 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. Caltrans QA Coatings Inspectors received Notices of Inspection for to attend joint inspections with ABF and ZPMC QC for the following:

Tower

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC to locate visual surface anomalies and weld defects on the Double diaphragms for tower assembly were abrasive blasted. ABF verbally requested that the Caltrans welding staff be notified to perform a joint VT inspection after blast. Areas requiring grinding were identified and marked by QC and QA staff. The weld repair spots were identified by placing tape over the area so it can be located after primer application. After the inspection was complete, grinding was performed to remove base metal defects. Abrasive blasting resumed after grinding was completed. Weld repairs will be performed after finish coating is applied.

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OBG 1AAE

OBG 1AAE was brought into the blast shop. Preparations are being made to begin blasting.

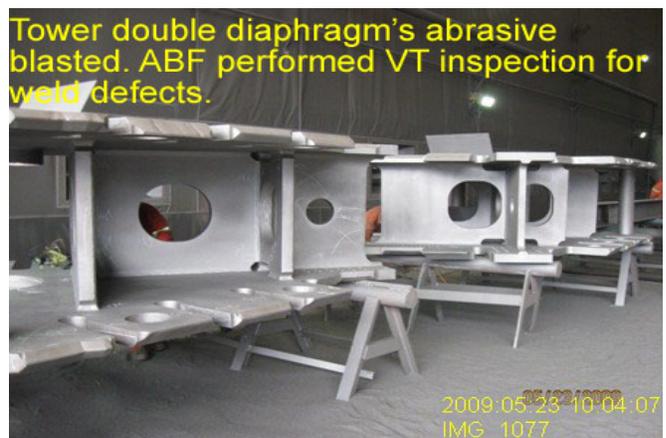
Cross Beam # 4

Cross Beam # 4 was brought into the blast shop. Preparations are being made to begin blasting.

OBG Trial Assembly

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC to look at the abrasive blasted surfaces of the OBG counterweight areas on lifts 1, 2, and 3. The surfaces were not ready for inspection. Old weld spots, arc strikes, and spots where steel was cut away from the base metal required grinding before the area could be acceptable for coating application. Grinding was performed. Abrasive blasting of the areas began prior to the end of Caltrans QA Coating Inspector Jordan's shift. Surface preparation inspection will be performed by Caltrans QA Coating Inspector James Lumley.

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.

Comments

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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
