

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-000653**Date Inspected:** 20-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 Lifts 3&4, 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 Supervisor William (Bill) Oak, 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

An inspection request was received for abrasive blast inspection for internal portions of tower Lift 1 East. Caltrans, ABF and ZPMC personnel entered the confined space area. The blast did not meet contract requirements. ABF informed ZPMC that the area was not ready for inspection. Abrasive blasting began again to correct the defective areas.

OBG Trial Assembly Area

An inspection request was received to attend an inspection of abrasive blasted surfaces along weld seams in OBG lifts 4 East and 4 West. ABF Paint Supervisor William (Bill) Oak and ABF QC Zhou Qun Song (Joe) inspected

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and approved primer coating application in lift 4E prior to Mr. Jordan arriving in the assembly area. A joint inspection was performed in Lift 4W. The visible surfaces seemed to meet the contract requirements. Closer investigation using a mirror under the lips of the T beams in the floor area revealed cutting residue and rust. This was pointed out to ABF QC personnel. ABF instructed ZPMC to re-blast under the flanges. Mr. Jordan pointed out to ABF that finding this amount of defects after ZPMC and ABF QC personnel had inspected the area was unacceptable.

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
