

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-000483**Date Inspected:** 02-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1200**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dau, 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:** Galvanizing, Miscellaneous Metal, Temporary**Bid Item:** 79**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:

American Bridge/Fluor Enterprises, a JV (ABF) Paint Supervisor William (Bill) Oak approached Caltrans QA Coatings Inspector Jordan and informed him that he had just received an email stating that galvanizing was starting at the galvanizing plant today and that we had to go perform an inspection right away. After arriving at the galvanizing plant the pieces were located. ABF Structural Supervisor Don Walton arrived at the facility. The pieces to be galvanized were handrails. The base plates had not been ground to specification, weld ark strikes and weld spatter had not been removed. ABF instructed ZPMC to perform the necessary grinding before galvanizing. ABF assigned a QC to oversee the grinding work. ZPMC assigned 3 men to perform the work. Grinding was still ongoing when this QA Coatings Inspector Jordan left the site for the day.

Caltrans QA Coatings Inspector Jordan informed Caltrans QA Coatings Inspector James Lumley of the situation and requested he keep an eye on the progress.

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 Shi Zhaoyuan (Stone), ABF QC Zhou Wei, International Paint Onsite Technical Services Engineer Peng Zi Li, 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.

Temporary Tower

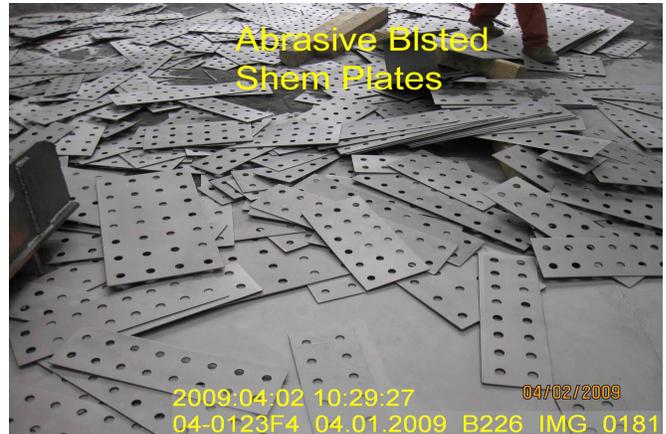
SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

31 pieces of temporary tower structure were abrasive blasted. Defects were marked for grinding. After grinding the areas were abrasive blasted. Primer was applied to the blasted surfaces.

Miscellaneous Metal

Caltrans QA Coatings Inspectors received a Notice of Inspection for abrasive blasting of the faying surfaces on 1, 112 miscellaneous pieces and plates for walkway assembly. There were a lot of grinding and welding repairs to be made on the pieces. Only the faying surfaces were to be primed. The other surfaces will be re-blasted after welding is completed. The welded connections will be completed after the coating has cured on the bolt connection faying surfaces.



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
