

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-000515**Date Inspected:** 08-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 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:		
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:

The following inspection 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.

Miscellaneous Metal

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC for the abrasive blast cleaning of faying surfaces in OBG units diaphragm bottom bolting areas. The surfaces were abrasive blasted to meet the SSPC SP10 Contract requirements. Surface profile Testex Tape was used by ZPMC QC personnel to record the blast profile. The Testex tape was measured using a dial micrometer. The readings were within the contract requirements of 40 and 86 microns. Ambient conditions were within Contract required parameters.

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC for the abrasive blast of 4 pieces Temporary Tower.

Some areas were marked for external surface welding and grinding. Caltrans QA Coatings Inspector Jordan assisted ABF with the visual inspection.

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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 residual chlorides (soluble salts) tests before abrasive blasting began. Residual Chlorides (soluble salts) tests were performed on abrasive blasted spots picked at random by Caltrans QA Inspectors. The test results showed that the surfaces were acceptable to be abrasive blast cleaned. The highest registered reading of salts contamination was 20 micro Siemens per square centimeter which is below the contract maximum of 10 micrograms per square centimeter.



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
