

**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 #: 1x.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000482**Date Inspected:** 03-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Changxing Dau, Shanghai

<b>Quality Control Contact:</b>	ABF Paint Supervisor William (Bill) Oak			<b>Quality Control Present:</b>	<b>Yes</b>	<b>No</b>	
<b>Material transfer:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Sampled Items:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Stock Transfer:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>OK to Cut:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>Rebar Test Witness:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Delayed/Cancelled:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>

**Other:** Surface Preparation and Coatings Application**Bridge No:** 34-0006**Component:** OBG 2AE, Temporary Tower, Tower, Miscellaneous**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 abrasive blasting of 898 splice plate faying surfaces. Grinding repairs were required on the plates. The inspection was canceled.

**OBG 2AE**

Caltrans QA Coatings Inspectors received a Notice of Inspection for abrasive blasting of faying surface areas near the U ribs in OBG 2AE. Caltrans QA was not available to perform the inspection.

**Temporary Tower**

Caltrans QA Coatings Inspectors received a Notice of Inspection for abrasive blasting of 31 pieces of temporary tower parts were abrasive blasted and primed. These pieces were not inspected by Caltrans.

**Tower**

Caltrans QA Coatings Inspectors received a Notice of Inspection for abrasive blasting of tower diaphragms. The surfaces are to be primed with shop primer prior to assembly. The diaphragms will be re-blasted after the tower is

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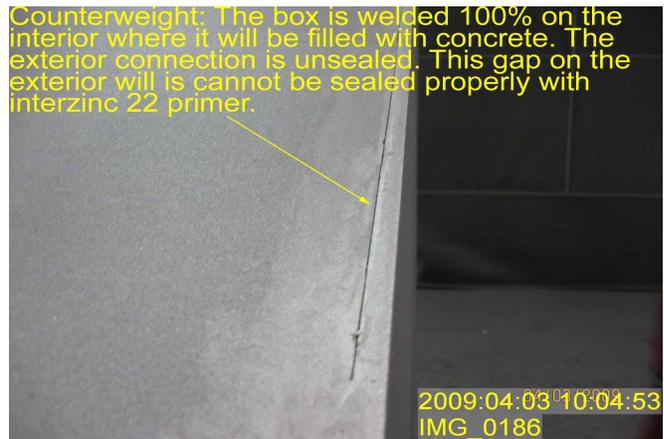
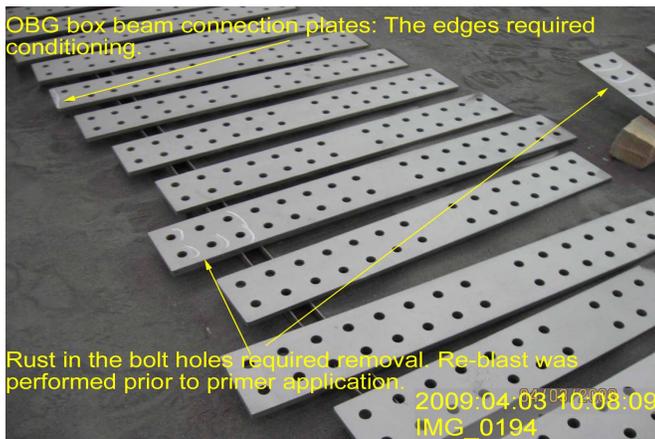
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assembled.

## Galvanizing

ABF received an email notification that the handrail pieces being repaired that could not be galvanized yesterday were ready for inspection. Upon viewing the pieces, most had been signed off as ok by ABF QC after grinding. American Bridge/Fluor Enterprises, a JV (ABF) Paint Supervisor William (Bill) Oak and ABF Structural Supervisor Don Walton rejected all but 15 pieces again. After the grinding repairs yesterday someone had performed weld repairs on the pieces. The handrails had weld spatter and arc strikes on them. The new welds had not been ground smooth.

15 pieces of handrail were put into the acid bath to prepare the surfaces for galvanizing. When the pieces were taken out of the bath the surfaces were not clean so ZPMC put them back in the acid bath. Caltrans QA Coatings Inspector Jordan informed Caltrans QA Coatings Inspector James Lumley of the progress. ZPMC is to remove the handrails from the acid bath at 14:00 and proceed with galvanizing.



## 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.

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<b>Inspected By:</b>	Jordan,Don	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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