

**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 #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005448**Date Inspected:** 07-Feb-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Fu You Saen**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector was present during the times noted above for observations relative to the work being performed.

Segment Repair Yard (North of the bay 14)

Segment 5AW

This QA Inspector observed that there was no work being done on this segment.

Segment 5BW

This QA Inspector observed that there was no work being done on this segment.

Segment 5CW

This QA Inspector observed that there was no work being done on this segment.

Segment 4BW

Flux Cored Arc Welding (FCAW) in the 3G position of the lifting lug vertical plates at panel point 27. The welder is identified as #066239. ZPMC QC is identified as Mr. Zhang Zhong. The welding variables recorded by QC appeared to comply with WPS-B-P-2214-U4b-F.

Shielded Metal Arc Welding (SMAW) in the 3G position of the lifting lug vertical plates at panel point 27. The welder is identified as #047864. ZPMC QC is identified as Mr. Zhang Zhong. The welding variables recorded by QC appeared to comply with WPS-B-P-2214-TC-U4b-FCM.

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# WELDING INSPECTION REPORT

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Segment Repair Yard (South of the paint shop)

Segment 4AW

Shielded Metal Arc Welding (SMAW) in the 4G position of the lifting lug vertical plates previously rejected by (UT) at panel point 25. The welder is identified as #037723. ZPMC QC is identified as Mr. Zhang Zhong. The welding variables recorded by QC appeared to comply with WPS-345-SMAW-4G(4F)-FCM-Repair.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents

**Summary of Conversations:**

No relevant conversations.

**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 Eric Tsang, (+86) 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Patterson,Rodney	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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