

**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-009000**Date Inspected:** 12-Sep-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1845**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 645**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Zhang Zhineng**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 and Tower**Summary of Items Observed:**

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

OBG Trial Assembly-

This QA Inspector observed the following work in progress: American Bridge Flour (ABF) performing Magnetic Particle Testing (MT) of OBG segment 1W longitudinal diaphragm to floor beam welds from panel point 8.5 to panel point 12.5.

ZPMC repairing OBG segment 1BW bottom panel to Floor beam cope holes at panel point 12.5.

ZPMC applying Interzinc 22 primer to OBG segment 3AW deck panel diaphragm at panel point 19.

Bay 11-

This QA Inspector observed the following work in progress: FCAW welding of East Tower Lift 3 diagonal stiffener to Skin Plate D welds, ESTL3-4 B/K-77 and 78. ZPMC welders were identified as 067184 and 066882. ZPMC QC is identified as Zhang Zhineng. The welding appeared to be in conformance with welding procedure specifications, WPS-B-T-2331-TC-P4-F and WPS-B-T-2332-TC-P4-F.

SMAW tack welding East Tower Lift 3 Skin Plate A to Skin Plate B weld ESTL4-2 B/L-59B. ZPMC welder was

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identified as 202323. ZPMC QC is identified as Zhang Zhineng. The welding appeared to be in conformance with welding procedure specification, WPS-B-P-2214-C-U2.

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

**Summary of Conversations:**

Only general conversation between QC and QA occurred 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 Eric Tsang, 150 0042 2372, who represents the Office of Structural Materials for your project.

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

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