

**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-015187**Date Inspected:** 20-Jun-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Wu Shi Gao**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**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.

West of Bay 14-

This QA Inspector observed the following work in progress: Shielded Metal Arc Welding (SMAW) of OBG Segment 11BW Side panels SP504A and SP682A base metal repair areas. ZPMC welder was identified as 067589. ZPMC QC was identified as Tang Ya Jun. ZPMC CWI was identified as Liu Hua Jie. The welding appeared to be in conformance with welding procedure specification, WPS-345-SMAW-4G(4F)-FCM-Repair and critical weld repair report B-CWR 491.

Shielded Metal Arc Welding (SMAW) of OBG Segment 11BE X37 plate to deck panel I rib weld, SEG068D-007.

ZPMC welder was identified as 051359. ZPMC CWI was identified as Wu Shi Gao. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-4113-2.

Shielded Metal Arc Welding (SMAW) of OBG Segment 11BE deck panel splice weld, SEG068-033. ZPMC welder was identified as 200113. ZPMC CWI was identified as Wu Shi Gao. The welding appeared to be in conformance with welding procedure specification, WPS-345-SMAW-4G(4F)-Repair and ZPMC weld repair report B-WR 8842.

Shielded Metal Arc Welding (SMAW) of OBG Segment 11DE longitudinal diaphragm weld, SEG072C-022.

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ZPMC welder was identified as 204339. ZPMC CWI was identified as Wu Shi Gao. The welding appeared to be in conformance with welding procedure specification, WPS-345-SMAW-1G(1F)-Repair.

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

**Summary of Conversations:**

As identified within the contents of this report.

**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>	McClendon,Timothy	QA Reviewer

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