

**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-015343**Date Inspected:** 04-Jul-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 11DE deck panel to edge panel weld, SEG072\*-047. ZPMC welder was identified as 054013. ZPMC QC was identified as Tang Ya Jun. ZPMC CWI was identified as Li Yan Hua. The welding appeared to be in conformance with welding procedure specification, WPS-B-P-2214-TC-U4b-FCM-1.

Shielded Metal Arc Welding (SMAW) of OBG Segment 11DE welds, SSD18A-PP106-051, 053, 055. ZPMC welder was identified as 201087. ZPMC QC was identified as Tang Ya Jun. ZPMC CWI was identified as Wu Shi Gao. The welding appeared to be in conformance with welding procedure specification, WPS-B-P-2214-TC-U4b-FCM-1.

Caltrans QA performed preliminary Visual Testing (VT) of OBG Segment 11BW internal weld and base metal surfaces. Areas requiring repair were marked for repair and shown to ZPMC QC for repair.

ABF QC personnel performing Ultrasonic testing of OBG Segment 11EW deck panel splice welds.

Bay 14-

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## WELDING INSPECTION REPORT

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This QA Inspector observed the following work in progress: Shielded MetalArc Welding (SAW) of OBG Segment 12AW lifting lug weld, SEG3004J-236. ZPMC welder was identified as 201215. ZPMC QC was identified as Tang Ya Jun . ZPMC CWI was identified as Wu Shi Gao. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2232-TC-U4b-F.

Bay 16-

This QA Inspector observed the following work in progress: Submerged Arc Welding (SAW) of OBG Segment 13AW bottom panel to bottom panel weld, BP3074-001-004 (B side). ZPMC welder was identified as 045270. ZPMC QC was identified as Li Ming Yang. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2221-B-U3c-S-2.

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

### Summary of Conversations:

Only general conversation occurred this day.

### 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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