

**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-010113**Date Inspected:** 31-Oct-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:** Shen Fu You**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.

## Bay 13-

This QA Inspector observed the following work in progress: Flux Cored Arc Welding (FCAW) of OBG segment 11CE FL2 lower floor beam web to FL3 Floor beam web splice weld, SSD20-PP103-135. ZPMC welder was identified as 055564. ZPMC QC is identified as Lv Li Qing. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2233-B-U2-F.

## Bay 14-

This QA Inspector observed the following work in progress: Shielded Arc Welding (SMAW) of OBG deck panel U rib weld, DP127-001-110. ZPMC welder was identified as 066401. ZPMC QC is identified as Shen Fu You. The welding appeared to be in conformance with welding procedure specification, WPS-B-P-2213-TC-U4b-FCM-1.

Shielded Metal Arc Welding (SMAW) of OBG segment 9DW FL2 upper floor beam flange to FL3 floor beam flange weld, SSD13A-PP89-127. ZPMC welder was identified as 069896. ZPMC QC is identified as Shen Fu You. The welding appeared to be in conformance with welding procedure specification, WPS-B-P-2214-TC-U4b-FCM-1.

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# WELDING INSPECTION REPORT

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Flux Cored Arc Welding (FCAW) of OBG segment 9BW corner assembly to side panel splice weld, SEG051A-032. ZPMC welder was identified as 050316. ZPMC QC is identified as Shen Fu You. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2231T.

North of Bay 14-

This QA Inspector observed the following work in progress: Shielded Arc Welding (SMAW) repair welding of OBG segment 7BW deck panel to deck panel welds, SEG035-004, 006, 031 and 031. ZPMC welder was identified as 068097. ZPMC QC is identified as Shen Fu You. The welding appeared to be in conformance with welding procedure specification, WPS-345-SMAW-4G(4F)-Repair.

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

**Summary of Conversations:**

Only general conversation between QA and QC 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>	Dawson,Paul	QA Reviewer

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