

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
 690 Walnut Ave. St. 150  
 Vallejo, CA 94592-1133  
 (707) 649-5453  
 (707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-018242**Date Inspected:** 21-Oct-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:** Wang Jie**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 16-

Caltrans QA Inspector performed Ultrasonic Testing (UT) verification of welds previously tested and accepted by ZPMC for OBG Steel Barrier welds. See UT report TL-6027 generated this date for additional information. The following welds were tested:

W5-SB1E-001-081

W5-SB1-025-081

W5-SB6A-001-050

W5-SB1-020-081

W5-SB1-001-081

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## WELDING INSPECTION REPORT

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This QA Inspector observed the following work in progress: Shielded Metal Arc Welding (SMAW) of OBG Corner Assembly weld, CA3016C-118. ZPMC welder was identified as 066361. ZPMC CWI was identified as Wang Jie. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-4113-2.

Flux Cored Arc Welding (FCAW) of OBG Corner Assembly side panel to deck panel weld, CA3016A-103. ZPMC welder was identified as 202122. ZPMC QC was identified as Li Ming Yang. ZPMC CWI was identified as Wang Jie. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2232-TC-U4b-F.

Flux Cored Arc Welding (FCAW) of OBG Segment 13CW bottom panel to side panel weld, SEG3015A-008 and 011. ZPMC welders were identified as 051348, 045246, 066326. ZPMC QC was identified as Li Ming Yang. ZPMC CWI was identified as Wang Jie. The welding appeared to be in conformance with welding procedure specification, WPS-B-P-2214-B-U-U2-FCM-1.

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>	McClendon,Timothy	QA Reviewer

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