

**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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005809**Date Inspected:** 19-Mar-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:** Shi Lei**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:**

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 14-

This QA inspector performed dimensional verification of OBG deck panel layout lines for diaphragm plates and punch mark locations for continuity plates. A total of 8 locations were verified for DP545-002 and 560-001 (1AW).

The maximum measurement taken from the centerline of layout out lines to centerline of punch marks found was 2 mm.

Bay 2-

Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Segment 1AA SEG1E-584 and Corner assemblies CA105, CA106, CA107 and CA108. The weld identification numbers are as follows: SEG1E-584, CA015-015 through 020, 023, 024, 029 through 034, 037, 038, CA106-015 through 020, 023, 024, 029 through 034, 037, 038, CA107-015 through 020, 023, 024, 029 through 034, 037, 038, CA108-015 through 020, 023, 024, 029 through 034, 037, 038.

This QA Inspector observed the following work in progress: FCAW welding of weld joints 246, 366 located on OBG Segment 1AA. ZPMC welders were identified as 066751 and 067275. ZPMC QC was identified as Chen Xi.

---

---

# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

The welding appeared to be in conformance with welding procedure specification, WPS-B-P-2133-TC-U4b.

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

**Summary of Conversations:**

Only general conversations 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.

---

<b>Inspected By:</b>	Viars,Larry	Quality Assurance Inspector
----------------------	-------------	-----------------------------

---

<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer
---------------------	----------------	-------------