

**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-005724**Date Inspected:** 09-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1845**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 645**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 & Tower**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 5-

This QA inspector performed 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 member is identified as West Tower Lift 2 Skin A longitudinal stiffeners. The weld identification numbers are WSD1-SA340 E/F- 33, 16 (A/B), 28, 10, 11 and WSD1-SA340 D/F 31, 16 (A/B), 10, 11 and 26.

## Bay 14-

This QA inspector performed Ultrasonic Testing (UT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The member is identified as 1BW Segment 005. The weld identification numbers are as follows, SEG-005-005 and 006.

## Bay 13-

This QA Inspector observed the following work in progress: FCAW welding of weld joint 004 and located on PCMRK Corner Assembly CA100 (2AE). ZPMC welder is identified as 066746. ZPMC QC is identified as Shen Fu You. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2231-U4b.

---

---

# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

This QA Inspector observed the following work in progress: FCAW welding of weld joint 124,125 located on PCMRK SSD47-PP11 (1BE). ZPMC welders were identified as 070140 and 069683. ZPMC QC is identified as Shen Fu You. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2233-TcU4b.

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

---