

**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-012739**Date Inspected:** 13-Mar-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:** Xu Xian Ping**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:****Summary of Items Observed:**

On this day Caltrans OSM Quality Assurance (QA) Inspector Daniel Barrentine was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port

Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China.

**In- Process Inspections:**

Welding pursuant to CWR# B- CWR- 1281 on section 9DE at PP 74.5, weld number 51.

SMAW of section 7BE to 7CE, weld OBE 6. The welder was identified as 067829. The welding procedure was identified as WPS- B-P-2214-B-U2-FCM-1.

SMAW of section 7BE to 7CE, weld OBE 7. The welder was identified as 067183. The welding procedure was identified as WPS- B-P-2214-B-U2-FCM-1.

Weld repair of section 7AE, Edge plate to Deck Plate, cross beam side.

Grinding of the weld profile of the transverse splice weld of 7AE to 7BE, cross beam and bike path side.

ABF conventional ultrasonic testing, UT, of Section 7BW, Edge plate to Deck plate, cross beam side.

---

---

# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

Excavation of UT defects on section 7AW, Side plate to Edge plate, counterweight side at the 6CW to 7AW splice.

Excavation of UT indications on section 7CE, Bike Path side, by ZPMC personnel.

Weld Repair of UT indications on section 7BE, Bike Path side, by ZPMC personnel.

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

### Summary of Conversations:

No Relevant Conversations.

### 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 15000422372, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Barrentine, Daniel	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon, Albert	QA Reviewer

---