

**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-017170**Date Inspected:** 15-Sep-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.

**West of Blast Bay 1-**

This QA Inspector observed the following work in progress: Shielded Metal Arc Welding (SMAW) of OBG Segment 12AE drip plate welds, OBE12B-004 and 005. ZPMC welders were identified as 044772 and 044779. ZPMC QC was identified as Li Ping. ZPMC CWI was identified as Wu Shi Gao. The welding appeared to be in conformance with welding procedure specification, WPS-B-P-2114-FCM-1.

Shielded Metal Arc Welding (SMAW) of OBG Segment 12BE drip plate welds, OBE12C-051 and 052. ZPMC welder was identified as 063661. ZPMC QC was identified as Li Ping. ZPMC CWI was identified as Wu Shi Gao. The welding appeared to be in conformance with welding procedure specification, WPS-B-P-2114-FCM-1.

**Bay 16-**

This QA Inspector observed the following work in progress: Submerged Arc Welding (SAW) of OBG Segment 14 West bottom panel weld, BP3101-001-002. ZPMC welder was identified as 201917. ZPMC CWI was identified as Wang Jie. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2221-B-L2c-S-2.

---

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

Submerged Arc Welding (SAW) of OBG Segment 14 West bottom panel weld, BP3101-001-001. ZPMC welder was identified as 201917. ZPMC CWI was identified as Wang Jie. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2221-B-L2c-S-2.

Bay 14-

This QA Inspector observed the following work in progress: Flux Cored Arc Welding (FCAW) of OBG Segment 13BW corner assembly diaphragm weld, CA3105B-088. ZPMC welder was identified as 047864. ZPMC QC was identified as Xia Chun Hui. The welding appeared to be in conformance with welding procedure specification, WPS-345-FCAW-2G(2F)-Repair.

Blast Bay 1-

Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG segment 11BE upper section base metal and weld surfaces. Areas requiring light grinding were marked for ZPMC personnel. Items which require repair were recorded for future 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.

---

|                      |                   |                             |
|----------------------|-------------------|-----------------------------|
| <b>Inspected By:</b> | Viars,Larry       | Quality Assurance Inspector |
| <b>Reviewed By:</b>  | McClendon,Timothy | QA Reviewer                 |

---