

**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-008309**Date Inspected:** 06-Jul-2009**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:** Li Zhi jiang/SunWei**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 Components**Summary of Items Observed:**

On this date Caltrans Quality Assurance (QA) Inspector, Lonnie Whitehead, was present during the times noted above for observations relative to the work being performed.

**BAY#1**

This QA Inspector observed the following work in progress:

F.C.A.W. welding of weld joint number 029 located on FB205-015. Welder is identified as 054460. ZPMC QC is identified as Lui WeiWei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

F.C.A.W. welding of weld joint number 029 located on FB205-016. Welder is identified as 054460. ZPMC QC is identified as Lui WeiWei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

**BAY#2**

This QA inspector observed the following work in progress:

F.C.A.W. welding of weld joint number 011 located on LD007-009. Welder is identified as 203871. ZPMC QC is identified as Lui WeiWei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

F.C.A.W. welding of weld joint number 011 located on LD004-049. Welder is identified as 215676. ZPMC QC is identified as Zhang Hai Feng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

---

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

F.C.A.W. welding of weld joint number 011 located on LD004-048. Welder is identified as 062438. ZPMC QC is identified as Zhang Hai Feng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

### BAY #3

This QA inspector observed the following work in progress:

F.C.A.W. welding of weld joint number 010 located on FB003-182. Welder is identified as 044790. ZPMC QC is identified as Shi Lei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

This QA inspector verified that the required Non Destructive Testing (NDT) had been completed on the following components for green tags to be issued by ABF.

|           |                    |
|-----------|--------------------|
| BP026-008 | Green tag # 005437 |
| SB004-010 | “ #005438          |
| SB001-010 | “ #005439          |

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> | Whitehead,Lonnie | Quality Assurance Inspector |
| <b>Reviewed By:</b>  | Carreon,Albert   | QA Reviewer                 |

---