

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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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-005090**Date Inspected:** 03-Jan-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 Segments**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector Dan Hernandez was present during the times noted above for observations relative to the work being performed.

This QA Inspector observed the following work in progress:

Bay 14 OBG Assembly

Segment 1AE

Submerged Arc Welding (SAW) of weld joint SEG008A-006 located on BP310 to BP312. Welder is identified as 045265. ZPMC QC is identified as Wang Wai Ming. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Segment 6BE

Submerged Arc Welding (SAW) of weld joint SEG032B-017 located on SP608B to SP568B. Welder is identified as 062406. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Segment 6AE

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## WELDING INSPECTION REPORT

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Submerged Arc Welding (SAW) of weld joint SEG028B-012 located on SP605B to SP565B. Welder is identified as 062406. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Submerged Arc Welding (SAW) of weld joint SEG028B-017 located on SP606A to SP566A. Welder is identified as 062406. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Segment 6CE

Submerged Arc Welding (SAW) of weld joint SEG032B-006 located on SP569B to SP609B. Welder is identified as 062406. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Bay 13 OBG Assembly  
Segment 1BE

Shielded Metal Arc Welding (SMAW) of weld joint SEG006A-004 located on BP308 to SP396. Welder is identified as 037748, 037996 and 067571. ZPMC QC is identified as Shi Lei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Unless otherwise noted, all 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, 150-0042-2372 , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Hernandez,Dan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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