

**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-005704**Date Inspected:** 08-Mar-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:** Chen Chih Ming**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 13 OBG Assembly

Segment 2AE

Flux Cored Arc Welding (FCAW) of weld joint SSD57-PP13.5-128 located on FB56A. Welder is identified as 067079. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD54-PP14-010 located on FB2A. Welder is identified as 067609. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD54A-PP14-126 located on FB2A. Welder is identified as 067752. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

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Flux Cored Arc Welding (FCAW) of weld joint SSD55-PP13-127 located on FB59A. Welder is identified as 067609. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD55a-PP13-126 located on FB59A. Welder is identified as 067752. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Segment 1BW

Flux Cored Arc Welding (FCAW) of weld joint SSD46-PP11-137 thru 140 located on FB79A. Welder is identified as 044801. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD44-PP12.5-135, 136 located on FB35B. Welder is identified as 067037. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD44A-PP12.5-002, 132 located on FB54B. Welder is identified as 067037. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD48-PP12-135, 136 located on FB76A. Welder is identified as 067037. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD48A-PP12-002, 132 located on FB77A. Welder is identified as 067037. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD46, 46A-PP11-137, 138 located on FB59A. Welder is identified as 067057. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Flux Cored Arc Welding (FCAW) of weld joint SSD44, 44A-PP12-137, 138 located on FB46A. Welder is identified as 067037. ZPMC QC is identified as Zhang Xian Ji. The welding variables recorded by QC appeared to comply with the Applicable WPS.

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

## Summary of Conversations:

No relevant conversations.

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## 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
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<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer
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