

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-005089**Date Inspected:** 01-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, Bao Lei Zhang
Inspected CWI report: Yes No N/A
Electrode to specification: Yes No N/A
Qualified Welders: Yes No N/A
Approved Drawings: Yes No N/A

CWI Present: Yes No
Rod Oven in Use: Yes No N/A
Weld Procedures Followed: Yes No N/A
Verified Joint Fit-up: 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 1AW

Submerged Arc Welding (SAW) of weld joint SEG003A-003 located on SP398A to SP399A. 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.

Submerged Arc Welding (SAW) of weld joint SEG003A-009 located on SP404A to SP403A. 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 5BE

Flux Cored Arc Welding (FCAW) of weld joint SEG024B-146 located on LD017 to FB040. Welder is identified as 044795. ZPMC QC is identified as Wu Bin. The welding variables recorded by QC appeared to comply with the

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Applicable WPS.

Segment 4BE

Shielded Metal Arc Welding (SMAW) of weld joint SSD18-PP028-132 located on FB26A to DP48A. Welder is identified as 037996. ZPMC QC is identified as Wu Bin. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Segment 1AE

Flux Cored Arc Welding (FCAW) of weld joint SEG004A-003 located on SP407A to SP408A. Welder is identified as 201215. ZPMC QC is identified as Wang Wai Ming. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Bay 13 OBG Assembly

Segment 1BE

Submerged Arc Welding (SAW) of weld joint SEG006A-004 located on BP308 to SP396. Welder is identified as 062406. ZPMC QC is identified as Wu Bin. 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.

Inspected By:	Hernandez, Dan	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer
