

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-008459**Date Inspected:** 14-Aug-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Lu Li Qing**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 day CALTRANS OSM Quality Assurance Inspector (QA) Steve Hall was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA observed and/or found the following:

OBG assembly bay 13

This QA observed ZPMC qualified welding personnel identified as 049339 perform SMAW welding on OBG segment 8CW weld joints identified as SEG047H-106 and 109. ZPMC QC identified as Mr. Wang Xu was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-P-4213-Tc-U4b-2.

This QA observed ZPMC qualified welding personnel identified as 044772 perform SMAW welding on OBG segment 8CW weld joints identified as SEG047J-009 and 012. ZPMC QC identified as Mr. Wang Xu was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-P-2213-Tc-U4b-FCM.

This QA observed ZPMC qualified welding personnel identified as 050502 perform SAW welding on OBG segment 9CE weld joint identified as SEG054*-008. ZPMC QC identified as Mr. Wang Xu was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2221-B-L2s-S-2.

This QA observed ZPMC qualified welding personnel identified as 070046 perform FCAW welding on OBG segment 9BE weld joint identified as DP366-001-012. ZPMC QC identified as Mr. Wang Xu was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

be in general compliance with WPS-B-T-2133.

OBG assembly bay 14

This QA observed ZPMC personnel fitting and tack welding longitudinal diaphragm into OBG segment identified as 9BE. No other significant work was observed during the time this QA was present.

Outside OBG segments 7DW, 7BW, 7EW, 6AW, 6CW, 6CE, 7EE, 7DE, 7CE, 6AE, 7CW, 7BE, 7AW, 6BE, 6BW and 7AE

This QA observed that no significant work was being performed on these segments during the time QA was present.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.



Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

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.

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| Inspected By: | Hall,Steven | Quality Assurance Inspector |
| Reviewed By: | Prue,Erik | QA Reviewer |
