

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024157**Date Inspected:** 29-May-2011**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:** Liu Hua Jie.**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 day CALTRANS OSM Quality Assurance Inspector (QA) Mr. Shailesh Wadkar was present during the times noted above for observations relative to the fabrication of the Self Anchored Suspension (SAS) Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA Inspector observed and/or found the following:

Trial Assembly Yard:

This QA Inspector observed the following work in progress:

OBG Seg 13CE:

The Shielded Metal Arc Welding (SMAW) process on weld joint no: DP3102-001-257 [Longitudinal Diaphragm (LD) to Deck Panel (DP), complete joint penetration (CJP) weld]. The welder is identified as 066258 and was observed welding in 4G position. ZPMC Quality Control (QC) was identified as Wang Liang. The welding variables recorded by this QC appeared to comply with welding procedure specification (WPS): B-P-2214-Tc-U4b-FCM-1.

OBG Seg 14E:

The SMAW process on weld joint no: DP3160-001-002 (DP to LD, CJP weld). The welder is identified as 066258 and was observed welding in 4G position. ZPMC QC was identified as Wang Liang. The welding variables

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recorded by this QC appeared to comply with WPS: B-P-2214-Tc-U4b-FCM-1.

OBG Seg 14W:

The SMAW process on weld joint no: Seg3020Q-175 (I-rib of Anchor Plate to Floor Beam, CJP weld). The welder is identified as 068493 and was observed welding in 3G position. ZPMC QC was identified as Zhu Lin. The welding variables recorded by this QC appeared to comply with WPS: B-P-2213-Tc-U4b-FCM-1.

OBG Seg 13AE and Seg 13BE:

Repair welding of weld joint no: OBE13E-003 (Side panel to Side Panel, CJP splice weld). The welder is identified as 068493 and was observed welding in the 3G position. Welding process was identified as SMAW. ZPMC QC was identified as Wang Liang. The welding variables recorded by this QC appeared to comply with WPS: 345-SMAW-3G(3F)-FCM-Repair-1. Repair welding was done as per Welding Repair Report (WRR): 21029 Rev-0.

Repair welding of weld joint no: Seg3007Z-003 (Side panel to Vertical Plate, CJP weld). The welder is identified as 043661 and was observed welding in the 2G position. Welding process was identified as SMAW. ZPMC QC was identified as Wang Zhu. The welding variables recorded by this QC appeared to comply with WPS: 345-SMAW-2G(2F)-FCM-Repair-1. Repair welding was done as per WRR: 21138 Rev-0.

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

Summary of Conversations:

No significant conversations were reported on this date.

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; phone: 15000422372., who represents the Office of Structural Materials for your project.

Inspected By:	Wadkar,Sailesh	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
