

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024101**Date Inspected:** 26-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 13AW and Seg 13BW:

The Shielded Metal Arc Welding (SMAW) process on weld joint no: OBW13B-001 [Bottom Panel (BP) to BP, complete joint penetration (CJP) splice weld]. The welder is identified as 037748 and was observed welding in 4G position. ZPMC Quality Control (QC) was identified as Hu Wei Gang. The welding variables recorded by this QC appeared to comply with welding procedure specification (WPS): B-P-2214-B-U2-FCM-1.

OBG Seg 13CE:

The SMAW process on weld joint no: VP3007-001-023 (Vertical Plate to I-rib stiffener, CJP weld). The welder is identified as 070007 and was observed welding in 4G position. ZPMC QC was identified as Wang Liang. The welding variables recorded by this QC appeared to comply with WPS: B-P-2214-Tc-U4b-FCM-1.

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OBG Seg 14W:

Repair welding of weld joint no: Seg3020AZ-001 (Bottom Panel to Side Panel, CJP weld). The welder is identified as 067572 and was observed welding in the 4G position. Welding process was identified as SMAW. ZPMC QC was identified as Zhu Lin. The welding variables recorded by this QC appeared to comply with WPS: 345-SMAW-4G(4F)-FCM-Repair-1. Repair welding was done as per Welding Repair Report (WRR): 21016 Rev-0.

OBG Seg 14E:

The SMAW process on weld joint no: Seg3019AL-294 (Edge Panel to Side Panel, CJP hold back weld). The welder is identified as 066258 and was observed welding in 4G position. ZPMC QC was identified as Wang Liang. The welding variables recorded by this QC appeared to comply with WPS: B-P-2214-Tc-U4b-FCM-1.

OBG Seg 13CE:

The SMAW process on weld joint no: CA3014A-102 (Edge Panel to Side Panel, CJP hold back weld). The welder is identified as 066258 and was observed welding in 4G position. ZPMC QC was identified as Wang Liang. The welding variables recorded by this QC appeared to comply with WPS: B-P-2214-Tc-U4b-FCM-1.

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
