

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-023298**Date Inspected:** 17-Apr-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:** Geng Wei**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 Structure**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Manuel Teall 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 observed and/or found the following:

This Quality Assurance (QA) Inspector observed the following work in progress:

Bay 14

OBG Seg 14W:

Repair welding of weld joint no: SEG3020BB-011 [Top Anchorage Plate (AP) 3013A to Vertical Shear Plate Sub Assembly (SA) 3444A, Complete Joint Penetration (CJP) weld in between panel point (PP) 125 to PP126]. The welder is identified as 066361 and was observed welding in the 4G position. Welding process was identified as Shielded Metal Arc Welding (SMAW). ZPMC QC was identified as Mr. 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): B-WR 20713 Rev-0.

Repair welding of weld joint no: SEG3020BB-056 [Top Anchorage Plate (AP) 3015A to Vertical Shear Plate Sub

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

Assembly (SA) 3449A, Complete Joint Penetration (CJP) weld in between panel point (PP) 125 to PP126]. The welder is identified as 045246 and was observed welding in the 4G position. Welding process was identified as SMAW. ZPMC QC was identified as Mr. 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): B-WR 20713 Rev-0.

The SMAW process on weld joint no: SEG3020B-029 [Block out bottom plate sub assembly SA3416A to Floor Beam (FB) 3345A, complete joint penetration (CJP) weld at PP 128.7]. The welders are identified as 069841 and 066261 and were observed welding in 4G position. ZPMC Quality Control (QC) was identified as Mr. Zhu Lin. The welding variables recorded by this QC appeared to comply with welding procedure specification (WPS): B-P-2214-Tc-U4b-FCM-1.

The SMAW process on weld joint no: SEG3020W-018 [Deck Plate PL3491A of Deck Panel (DP) 3183A to FB 3317A, CJP weld at PP125]. The welders are identified as 067572 and 037932 and were observed welding in 4G position. ZPMC QC was identified as Mr. Zhu Lin. The welding variables recorded by this QC appeared to comply with WPS: B-P-2214-Tc-U4b-FCM-1.

The SMAW process on weld joint no: SEG3020T-226 to 233 [Deck Plate PL3491A of DP 3183A to FB diaphragm SA8529A, Fillet weld at PP125.5]. The welder is identified as 069896 and was observed welding in 4F position. ZPMC QC was identified as Mr. Zhu Lin. The welding variables recorded by this QC appeared to comply with WPS: B-P-2114-FCM-1.

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

Summary of Conversations:

No relevant 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 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Teall,Manuel	Quality Assurance Inspector
Reviewed By:	McClendon,Timothy	QA Reviewer
