

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 #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022554**Date Inspected:** 04-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) Chanxing Island**Location:** Shanghai, China**CWI Name:** Mr. ZHU ZHONG HAI**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 Segment**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector Santhosh Ramakrishna Pillai was present during the times noted above for observations relative to fabrication work of the Self Anchored Suspension (SAS) Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China.

This QA inspector randomly observed the following work:

1. INPROCESS:

Orthotropic Box Girder (OBG) at Trial Assembly Area:

ZPMC welding personnel performing Shielded Metal Arc Welding of Repair weld for the deck plate to side plate weld joint located on CB-17 at Panel Point (PP-110). The weld is designated as CB3001A-017-014. The welder is identified as 066459. ZPMC QC Mr. LI YANG was onsite monitoring the welding variables. The inprocess Shielded Metal Arc Welding appears to be progressing in compliance with WPS-345-SMAW-2G (2F)-FCM-Repair-1. The weld repair report number is named as CWR-2892. Further weld detail mention in attached picture.

ZPMC welding personnel performing Shielded Metal Arc Welding of Complete Joint Penetration welds joining the edge plate to I-stiffener weld joint located on 13AW. The weld is designated as SEG3013J-046. The welder is identified as 069683. ZPMC QC Mr. SHEN JIAN BO was onsite monitoring the welding variables. The inprocess

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

Shielded Metal Arc Welding appears to be progressing in compliance with WPS-B-P-2214- TC-U4b-FCM-1.

ZPMC welding personnel performing Shielded Metal Arc Welding of Repair weld for the side plate to I- Stiffener weld joint located on 13AW. The weld is designated as SEG3013AD-067. The welder is identified as 047864. ZPMC QC Mr. SHEN JIAN BO was onsite monitoring the welding variables. The inprocess Shielded Metal Arc Welding appears to be progressing in compliance with WPS-345-SMAW-4G (4F)-FCM-Repair-1. The weld repair report number is named as WR-20573.

ZPMC welding personnel performing Shielded Metal Arc Welding of Complete Joint Penetration welds joining the drainage plate to drainage plate weld joint located on 12CW at counter weight side. The weld is designated as CA3012-233. The welder is identified as 057333. ZPMC QC Mr. ZHOU PENG was onsite monitoring the welding variables. The inprocess Shielded Metal Arc Welding appears to be progressing in compliance with WPS-B-P-2213-B-U2-FCM-1. Further weld detail mention in attached picture.

ZPMC welding personnel performing Shielded Metal Arc Welding of Fillet welds joining the drainage plate to edge plate weld joint located on 12BW+12CW at counter weight side. The weld is designated as CA3012-234 & 235. The welder is identified as 057333. ZPMC QC Mr. SHEN JIAN BO was onsite monitoring the welding variables. The inprocess Shielded Metal Arc Welding appears to be progressing in compliance with WPS-B-P-2114-FCM-1. Further weld detail mention in attached picture.

ZPMC welding personnel performing Shielded Metal Arc Welding of Complete Joint Penetration welds joining the drainage plate to drainage plate weld joint located on 12BW at counter weight side. The weld is designated as CA3012-232. The welder is identified as 046709. ZPMC QC Mr. ZHOU PENG was onsite monitoring the welding variables. The inprocess Shielded Metal Arc Welding appears to be progressing in compliance with WPS-B-P-2213-B-U2-FCM-1. Further weld detail mention in attached picture.

ABF Quality Assurance (QA) personnel performing Magnetic particle Testing (MT) for the bike path cantilever weld joint located on 12AE at bike path side. The weld is designated as BK001-017-009.

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



WELDING INSPECTION REPORT

(Continued Page 3 of 3)

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:	Pillai,Santosh	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer
