

**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-014809**Date Inspected:** 09-Jun-2010**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:** Li Yang**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**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) Joe Alaniz 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 Yard

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The member(s) is/are identified as 7 West floor beam to deck plate diaphragm. The weld designations reviewed are as follows:

7 West

1. SSD13-PP49-5
2. FB009-008-3
3. FB0003-100-4
4. FB039-002-93
5. SSD10-PP50-3
6. FB039-002-92
7. SSD13-PP59-4
8. FB009-011-3
9. SSD13-PP60-5

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10. FB009-011-3

9AW+9BW

Flux Core Arc Welding (FCAW) welding was performed on weld joint 037~042 located at BP043-001 bottom plate of segment. Welder is identified as Mr. Jiang Yongsheng (045240). ZPMC QC is identified as Li Yang. The welding variables monitored and recorded by the QC appeared to comply with WPS-B-T-2233-B-U2-F.

Shield Metal Arc Welding (SMAW) welding was performed on weld joint 035~031 located at SP655-001 counter weight side of segment. Welder is identified as Mr. Li Yongshui (067659). ZPMC QC is identified as Li Yang. The welding variables monitored and recorded by the QC appeared to comply with WPS-B-T-2214-B-U2-FCM-1.

Shield Metal Arc Welding (SMAW) welding was performed on weld joint 042~037 located at SP159-001 counter weight side of segment. Welder is identified as Mr. Li Zaijun (037996). ZPMC QC is identified as Li Yang. The welding variables monitored and recorded by the QC appeared to comply with WPS-B-T-2214-B-U2-FCM-1.

9BW

Flux Core Arc Welding (FCAW) welding was performed on weld joint 031~042 located at BP044-001 bottom plate of segment. Welder is identified as Mr. Jiang Yongsheng (045240). ZPMC QC is identified as Li Yang. The welding variables monitored and recorded by the QC appeared to comply with WPS-B-T-2233-B-U2-F.

8BW+8CW

Shield Metal Arc Welding (SMAW) repair welding was performed on weld joint 013 and 014 located at EP063-001 counter weight side of segment. Welder is identified as Mr. Cao Xinglong (069683). ZPMC QC is identified as Li Yang. The welding variables monitored and recorded by the QC appeared to comply with WPS-345-SMAW-4G (4F)-FCM-Repair-1 and WR1307/ WR13508 procedure.

Travel Rail Brackets

Flux Core Arc Welding (FCAW) welding was performed on weld joint 002 located at TR1A-PP061 for counter weight side of segment 8AW. Welder is identified as Mr. Wang Bing (048696). ZPMC QC is identified as Li Yang. The welding variables monitored and recorded by the QC appeared to comply with WPS-B-T-2132-Tc-U4b-F.

Flux Core Arc Welding (FCAW) welding was performed on weld joint 002 located at TR1A-PP062 for counter weight side of segment 8AW. Welder is identified as Mr. Ji Hua (045227). ZPMC QC is identified as Li Yang. The welding variables monitored and recorded by the QC appeared to comply with WPS-B-T-2132-Tc-U4b-F.

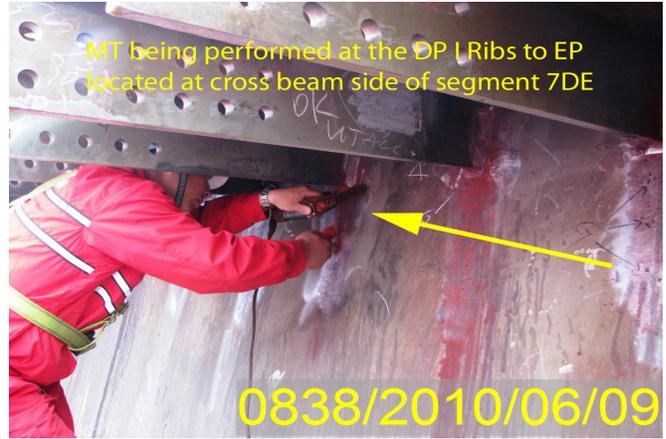
Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

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## 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 (150-0042-2372), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Alaniz,Joe	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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