

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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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-009847**Date Inspected:** 13-Oct-2009**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:** Lv Li Qing / Shen Fu You**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 Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Tim McClendon was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

OBG Assembly Bay 14

Flux Cored Arc Welding (FCAW) on CA Diaphragm to Deck Panel of weld joint SEG056E OBG assembly weld number 073 for Segment 9DE. The ZPMC welder identified as 066683 was welding in the 3G position. The ZPMC QC identified as Wang Xu was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2233-Tc-U4b-F.

Shielded Metal Arc Welding (SMAW) on CA Diaphragm to Deck Panel of weld joint SEG056E OBG assembly weld number 061 for Segment 9DE. The ZPMC welder identified as 215553 was welding in the 3G position. The ZPMC QC identified as Wang Xu was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2213-Tc-U4b-FCM-1.

Shielded Metal Arc Welding (SMAW) on Floor Beam (FL3) to Side Panel of weld joint SEG056A OBG assembly weld number 024 for Segment 9DE. The ZPMC welder identified as 067764 was welding in the 4G position. The ZPMC QC identified as Wang Xu was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2114-U-4b-FCM-1.

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## WELDING INSPECTION REPORT

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Shielded Metal Arc Welding (SMAW) on Floor Beam (FL3) to Side Panel of weld joint SEG056A OBG assembly weld number 026 for Segment 9DE. The ZPMC welder identified as 200114 was welding in the 4G position. The ZPMC QC identified as Wang Xu was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2114-U-4b-FCM-1.

Flux Cored Arc Welding (FCAW) on Floor Beam to CA Diaphragm of weld joint SEG 060\* for OBG assembly weld number 038 for Segment 10AE. The ZPMC welders identified as 067656 was welding in the 4G position. The ZPMC QC identified as Zhong Guo Hui was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-2214-Tc-U4b-FCM-1.

Flux Cored Arc Welding (FCAW) on Floor Beam to CA Diaphragm of weld joint SEG 060\* for OBG assembly weld number 039 for Segment 10AE. The ZPMC welders identified as 200113 was welding in the 4G position. The ZPMC QC identified as Zhong Guo Hui was monitoring the welding and recording the weld variables. The welding variables recorded by ZPMC QC appeared to comply with the WPS-B-T-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 relevant conversations spoken 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 (15000422372), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	McClendon,Timothy	Quality Assurance Inspector
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<b>Reviewed By:</b>	Patterson,Rodney	QA Reviewer
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