

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-017599**Date Inspected:** 23-Oct-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 Segment**Summary of Items Observed:**

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

OBG # TRIAL ASSEMBLY YARD

This QA inspector along with QA inspector Mr. Manjunath S Math performed the dimensional survey inspection after heat straightening on the deck panel diaphragm to verify the flatness and plumbness on segment 12AE. The measurements were recorded on a separate sheet and forwarded to team leader for review and disposition. The segment and panel point designations were as follows:

Segment 12AE – PP 110 and PP 111

OBG # TRIAL ASSEMBLY YARD (Lift 10E)

This QA inspector along with QA inspector Mr. Manjunath S Math and ABF QA inspector performed the dimensional survey inspection on the corner assembly X37B and X37C brackets to verify the road barrier bolt hole between deck panel and brackets cope hole on Lift 10E. The measurements were recorded on a separate sheet and forwarded to team leader for review and disposition. The segment and panel point designations were as follows:

Segment 10AE – PP 85 to PP 94.5

WELDING INSPECTION REPORT

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This QA Inspector randomly observed the following work in progress:

OBG # TRIAL ASSEMBLY YARD (11BW-11CW)

The QA inspector observed the welding operation per the SMAW process on weld joint no. 008 in the (4G) vertical position on side panel T-Rib piece mark no. SP782-001. The location was the complete joint penetration weld joining T-Rib of 11BW and 11CW. The welder ID was 041713. The ZPMC CWI was identified as Li Yang. The welding variables recorded by QC appeared to comply with the WPS-B-P-2214-B-U2-FCM-1.

OBG # TRIAL ASSEMBLY YARD (11BW-11CW)

The QA inspector observed the welding operation per the SMAW process on weld joint no. 012 in the (4G) vertical position on side panel T-Rib piece mark no. SP782-001. The location was the complete joint penetration weld joining T-Rib of 11BW and 11CW. The welder ID was 057333. The ZPMC CWI was identified as Li Yang. The welding variables recorded by QC appeared to comply with the WPS-B-P-2214-B-U2-FCM-1.

OBG # TRIAL ASSEMBLY YARD (11BW-11CW)

The QA inspector observed the welding operation per the FCAW process on weld joint no. 008 in the (3G) vertical position on side panel piece mark no. OBW11B. The location was the transverse splice weld joining segment 11BW and 11CW. The welder ID was 053486. The ZPMC CWI was identified as Li Yang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231T.

OBG # TRIAL ASSEMBLY YARD (11BW-11CW)

The QA inspector observed the welding operation per the FCAW process on weld joint no. 008 in the (3G) vertical position on side panel piece mark no. OBW11B. The location was the transverse splice weld joining segment 11BW and 11CW. The welder ID was 042218. The ZPMC CWI was identified as Li Yang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231T.

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 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Manikandan,Murugan	Quality Assurance Inspector
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Reviewed By:	Peterson,Art	QA Reviewer
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