

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020818**Date Inspected:** 22-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 Yan Hua**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 Assembly**Summary of Items Observed:**

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

OBG Segment 12AW

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) in the 2F position of weld joint SEG3004V-007 located on CB side Longitudinal Diaphragm. The welder is identified as 045133. ZPMC Quality Control (QC) is identified as Wang Wei Ming. The welding variables recorded by QC appeared to comply with the WPS 345-SMAW-2G(2F)-Repair.

OBG Segment 12AW

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) in the 3G position of weld joint CA3006C-152 located on PP110 West. The welder is identified as 048714. ZPMC Quality Control (QC) is identified as Wang Wei Ming. The welding variables recorded by QC appeared to comply with the WPS B-P-2233-TC-U4c-F. See attached photograph Pic_001.

OBG Segment 12BE

WELDING INSPECTION REPORT

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During in process inspection this QA Inspector observed ABF Quality Assurance (QA) personnel performing Ultrasonic Testing (UT) on Deck Panel long seam welds. See attached photograph Pic_002.

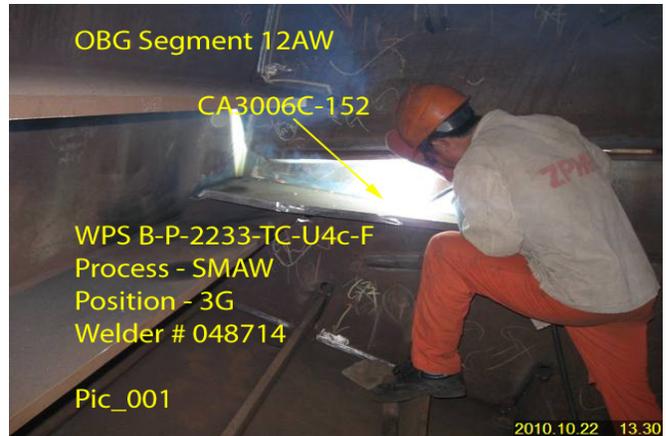
Bay 14 / OBG Segment 14W

This QA Inspector observed the following work in progress:

Sub Arc Welding (SAW) in the 1G position of weld joint SEG3020AP-005 located on AP3022 to AP3023. The welder is identified as 45246. ABF Quality Assurance (QA) is identified as Shao Jian Yuan. The welding variables recorded by QC appeared to comply with the WPS B-T-2221-B-L2c-S-2.

Bay 16 / Steel Barrier

During in process inspection this QA Inspector observed ABF Quality Assurance (QA) personnel performing Magnetic Particle Testing (MT) on Steel Barrier W5-SB1-007.



Summary of Conversations:

No relevant conversations 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 (+86)15000 42 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Gade,Ramesh	Quality Assurance Inspector
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Reviewed By:	McClendon,Timothy	QA Reviewer
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