

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-016218**Date Inspected:** 13-Aug-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:** Xu Tao**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 date Caltrans OSM Quality Assurance (QA) Inspector Larry Viars was present during the times noted above for observations relative to the work being performed.

Bay 14-

This QA Inspector observed the following work in progress: Flux Cored Arc Welding (FCAW) of OBG Segment 13AW Longitudinal Diaphragm manway weld, LD3031-001-007. ZPMC welder was identified as 045204. ZPMC QC was identified as Xia Chun Hui. ZPMC CWI was identified as Geng Wei. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2213-1.

Caltrans QA Inspector performed Ultrasonic Testing (UT) verification of welds previously tested and accepted by ZPMC for OBG Traveler Rail Bracket welds. See UT report TL-6027 generated this date for additional information. The following welds were tested:

TR1C-PP078-006, TR2A-072-002, TR2A-074-002, TR2A-078-002, TR1A-PP073-002, TR1B-PP079-004, TR1B-PP085-004, TR1A-PP085-002, TR1E-PP080-010, TR1E-PP082-010, TR1D-PP075-008. Ultrasonic Testing was limited due to part geometry.

Bay 19-

This QA Inspector observed the following work in progress: Flux Cored Arc Welding (FCAW) of OBG Suspender

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Bracket SB80W weld, SB016-080-001 . ZPMC welder was identified as 062765. ZPMC QC was identified as Li Ming Yang. ZPMC CWI was identified as Xu Tao. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2231-TC-U4b-F.

Flux Cored Arc Welding (FCAW) of OBG Suspender Bracket SB82E weld, SB016-080-019, 020. ZPMC welder was identified as 062808. ZPMC QC was identified as Li Ming Yang. ZPMC CWI was identified as Xu Tao. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2232-TC-U4b-F.

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

Summary of Conversations:

Only general conversation between QA and QC occurred 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:	Viars,Larry	Quality Assurance Inspector
Reviewed By:	McClendon,Timothy	QA Reviewer
