

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-016022**Date Inspected:** 30-Jul-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:** Geng Wei**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-

Caltrans QA Inspectors Rodney Patterson, Tim McClendon and Larry Viars performed preliminary dimensional and visual inspection on 13AE bottom panel flame cut holes. QA inspector observed several bottom panel bearing and shear key rod holes that have gouge areas from the cutting torch and require repair.

This QA Inspector observed the following work in progress: Submerged Arc Welding (SAW) of OBG Segment 13CE side panel weld, SEG3009A-006. ZPMC welder was identified as 044780. ZPMC QC was identified as Zhang Lin. ZPMC CWI was identified as Geng Wei. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2221-B-L2c-S-2.

Shielded Metal Arc Welding (SMAW) of OBG Segment 12BW deck panel weld repair of DP3056-001-019. ZPMC welder was identified as 066179. ZPMC QC was identified as Guo Xing Hui. ZPMC CWI was identified as Geng Wei. The welding appeared to be in conformance with welding procedure specification, WPS-345-SMAW-3G(3F)-Repair.

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Caltrans QA observed ZPMC personnel drilling pilot holes on bottom panel BP3074-001 in preparation of thermal cutting of bearing rod and shear key rod holes.

Blast Bay 1-

Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG segment 10BW upper section base metal and weld surfaces. Visual inspection was limited due to blasting grit and scale that was not removed. Areas requiring light grinding were marked for ZPMC personnel. Items which require repair were recorded for future repair.

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

Summary of Conversations:

Only general conversation occurred this day.

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
