

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-010371**Date Inspected:** 19-Nov-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Wu Zhi Cheng**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 COMPONENT**Summary of Items Observed:**

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

Trail Assembly at Dock Area

This QA Inspector observed the following work in progress:

SMAW in the 4G position of the OBG Segment 4AW corner joint at side plate to bottom plate, weld No. SEG-017A-007. The welder is identified as #048659. ZPMC QC is identified as Mr. Zhang Xiao Ming. The welding variables recorded by QC appear to comply with WPS- 345-SMAW-4G(4F)-FCM-REPAIR-1 and repair procedure B-CWR904.

SMAW in the 4G position of the OBG Segment 4AW and 4BW splice joint at side plate to side plate, weld No. OBW4A-001, 002. The welder is identified as #054467. ZPMC QC is identified as Mr. Zhang Xiao Ming. The welding variables recorded by QC appear to comply with WPS- 345-SMAW-4G(4F)-FCM-REPAIR-1 and repair procedure B-CWR916.

SMAW in the 4G position of the OBG Segment 4BW corner joint at side plate to bottom plate, weld No. SEG-019A-031. The welder is identified as #048659. ZPMC QC is identified as Mr. Wuzhi Cheng. The welding variables recorded by QC appear to comply with WPS- 345-SMAW-4G(4F)-FCM-REPAIR-1 and repair procedure B-CWR904.

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SMAW in the 4G position of the OBG Segment 3AW corner joint at side plate to bottom plate , weld No. SEG-013A-031 . The welder is identified as #066258. ZPMC QC is identified as Mr.Shen Jian Bo. The welding variables recorded by QC appear to comply with WPS- 345-SMAW-4G(4F)-FCM-REPAIR-1 and repair procedure B-CWR903.

Witness of Magnetic Particle Testing

This QA inspector was instructed by task leader to carry out Witnessing of Magnetic Particle Testing which was carried by ABF QC Technicians at Bottom splice Weld between 1AAE to 1AE. The QA Inspector found there was no indication on the weld area.

The weld designations reviewed is as follows:

OBE1A-003

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

Summary of Conversations:

No relevant conversations

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:	Bera,Subhasis	Quality Assurance Inspector
Reviewed By:	Patterson,Rodney	QA Reviewer
