

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-020255**Date Inspected:** 28-Jan-2011**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:** Qiu 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 COMPONENT**Summary of Items Observed:**

On this day Caltrans OSM Quality Assurance (QA) Inspector Subhasis Bera was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China. QA Inspector observed and/or found the following:

In process Inspection

Bay#14

This QA Inspector observed the following work in progress:

SMAW in the 3G position for the OBG Segment 13CW weld No.DP3148-001-244. The welder is identified as #037840. ZPMC QC is identified as Mr. Zhang Lin. The welding variables recorded by QC appear to comply with WPS-B-P-2213-Tc-U4b-FCM-1.

SMAW in the 4G position for the OBG Segment 13CW UT repair weld No.SEG3015B-242. The welder is identified as #037932. ZPMC QC is identified as Mr. Zhang Lin. The welding variables recorded by QC appear to comply with WPS-345-SMAW-4G(4F)-FCM-REPAIR-1.

SMAW in the 2G position for the OBG Segment 14W weld No.DP3171-001-035. The welder is identified as #037779. ABF QC is identified as Mr. Shen Jian. The welding variables recorded by QC appear to comply with WPS-B-P-2212-Tc-U4b-FCM-1.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

FCAW in the 2G position for the OBG Segment 14W weld No.DP3171-001-428. The welder is identified as #067520. ABF QC is identified as Mr. Shen Jian. The welding variables recorded by QC appear to comply with WPS-B-T-2232-ESAB.

Magnetic Particle Testing (MPT) for Bike path Joints

This Quality Assurance (QA) Inspector performed Visual inspection and verification of Magnetic Particle Testing (MT) 15% for OBG bike path welds at bay #10 . This QA inspector generated a (MT) report for this date .This area was previously tested and accepted by ZPMC QC MT technicians.

The Weld Designations are as follows

BK010A3-001-027,028,029

BK010A6-001-068

BK010A7-001-125,126,063,064,127,128,065,066

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:	Dsouza,Christopher	QA Reviewer
---------------------	--------------------	-------------