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 #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-018417
Date Inspected: 16-Oct-2010

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 645
OSM Departure Time: 1845
Location: Shanghai, China

CWI Name: Wang Zhu.

Inspected CWI report:	☐ Yes	☑ No	☐ N/A	**CWI Present:**	☑ Yes	☐ No	
Electrode to specification:	☑ Yes	☐ No	☐ N/A	**Rod Oven in Use:**	☑ Yes	☐ No	☐ N/A
Qualified Welders:	☑ Yes	☐ No	☐ N/A	**Weld Procedures Followed:**	☑ Yes	☐ No	☐ N/A
Approved Drawings:	☑ Yes	☐ No	☐ N/A	**Verified Joint Fit-up:**	☑ Yes	☐ No	☐ N/A
				Approved WPS:	☑ Yes	☐ No	☐ N/A
				Delayed / Cancelled:	☐ Yes	☑ No	☐ N/A

Bridge No: 34-0006
Component: Orthotropic Box Girder(OBG)

Summary of Items Observed:

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

Trial assembly yard, 11BW, CW-connection plate.

FCAW welding of weld joint OBW11-026; located at Trial assembly yard. Welder is identified as 040609; ZPMC Quality Control Inspector (QC) is identified as Wang Zhu. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-2231-TC-U4-B-F.

Trial assembly yard, 11AW-11BW, EP to EP, Cross Beam side.

SMAW Repair welding of weld joint OBW11-005 (WRR#B-WR15990); located at Trial assembly yard. Welder is identified as 040611; ZPMC Quality Control Inspector (QC) is identified as Zhou Peng. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-345-SMAW-4G(4F)-FCM-REPAIR-1.

Trial assembly yard, 11AW-11BW, Counter weight side.

SMAW Repair welding of weld joint CA079-006, CA083-002 (WRR#B-WR16008); located at Trial assembly yard. Welder is identified as 046709; ZPMC Quality Control Inspector (QC) is identified as Zhou Peng. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-345-SMAW-2G(2F)-FCM-REPAIR-1. The attached photograph provides additional detail.

Trial assembly yard, 11AW-11BW, SP to SP, Counter weight side.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

SMAW Repair welding of weld joint OBW11B-002 (WRR#B-WR10012); located at Trial assembly yard. Welder is identified as 040611; ZPMC Quality Control Inspector (QC) is identified as Zhou Peng. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-345-SMAW-4G(4F)-FCM-REPAIR-1.

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, 1500.042.2372, who represents the Office of Structural Materials for your project.

Inspected By:	Juvekar,Amit	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer