DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
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-017667
Date Inspected: 31-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:	An Qing Xiang.			**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: 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, 11AE-11BE, BP-SP, Bike path side.

SMAW Critical weld Repair welding of weld joint SEG066A-012 (CWR# B-CWR2121); located at Trial assembly yard. Welder is identified as 040320; ZPMC Quality Control Inspector (QC) is identified as An Qing Xiang. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-345-SMAW-1G(1F)-FCM-REPAIR-1. The attached photographs provide additional detail.

Trial assembly yard, 11BE-11CE, Side Panel T-rib Hold back.

SMAW welding of weld joint SP715-001-031, 032, 033; located at Trial assembly yard. Welder is identified as 044515; ZPMC Quality Control Inspector (QC) is identified as An Qing Xiang. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-P-2213-B-U2-FCM-1.

Trial assembly yard, 11BE-11CE, Side Panel T-rib Hold back.

SMAW welding of weld joint SP381-001-050, 052, 054; located at Trial assembly yard. Welder is identified as 050289; ZPMC Quality Control Inspector (QC) is identified as An Qing Xiang. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-P-2213-B-U2-FCM-1.

Trial assembly yard, 11BE-11CE, Bottom Panel T-rib Hold back.

SMAW welding of weld joint BP187-001-043, 044, 045; located at Trial assembly yard. Welder is identified

as 040367; ZPMC Quality Control Inspector (QC) is identified as An Qing Xiang. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-P-2132.

Trial assembly yard, 11CW-11DW, EP-B3, CW side.

SMAW welding of weld joint OBW11A-001; located at Trial assembly yard. Welder is identified as 046709; ZPMC Quality Control Inspector (QC) is identified as Zhu Zhong Hai. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-1.

Trial assembly yard, 11CW-11DW, EP-F9, CB side.

SMAW welding of weld joint OBW11A-005; located at Trial assembly yard. Welder is identified as 040611; ZPMC Quality Control Inspector (QC) is identified as Zhu Zhong Hai. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-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:	Dsouza,Christopher	QA Reviewer