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 #: 99.28

WELDING INSPECTION REPORT

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

Report No: WIR-017963
Date Inspected: 21-Oct-2010

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

OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Shanghai, China

CWI Name: Mr. Xu Tao

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: OBG Segment and Bike Path

Summary of Items Observed:

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

Ultrasonic Testing (UT) – NWIT Document No: 007049

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The members are identified as OBG Steel Barrier. The weld designations reviewed are as follows:

1. W5-SB2-002-019
2. W5-SB1-004-019
3. W5-SB1-023-019
4. W5-SB2-005-081
5. W5-SB1-003-019
6. W5-SB13A-003-019

Ultrasonic Testing (UT) – NWIT Document No: 007053

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The members are identified as OBG Bike Path. The weld designations reviewed are as follows:

1. BK4SD1-008-022, 023, 024, 027
2. BK4SD1-010-001, 002, 003, 004

OBG Segment 12AE

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) repair welding of weld joint SEG3001J-002 located on deck plate diaphragm to deck plate diaphragm splice joint of OBG Segment 12AE. Welder is identified as 216086. ZPMC Quality Control (QC) is identified as Mr. Li Ping. The welding variables recorded by QC appeared to comply with the Applicable WPS-345-SMAW-3G (3F) - Repair, which is used as per Welding Repair Report (WRR) B-WR-16070.

SMAW repair welding of weld joint SEG3001*-022 located on deck plate to deck plate splice joint of OBG Segment 12AE. Welder is identified as 051359. ZPMC Quality Control (QC) is identified as Mr. Li Ping. The welding variables recorded by QC appeared to comply with the Applicable WPS-345-SMAW-1G (1F) - Repair, which is used as per Welding Repair Report (WRR) B-WR-16071.

SMAW repair welding of weld joint SEG3001A-009 located on bottom plate to bottom plate splice joint of OBG Segment 12AE. Welder is identified as 054016. ZPMC Quality Control (QC) is identified as Mr. Li Ping. The welding variables recorded by QC appeared to comply with the Applicable WPS-345-SMAW-1G (1F) - Repair, which is used as per Welding Repair Report (WRR) B-WR-16069.

SMAW repair welding of weld joint SEG3001AL-007 located on side plate to side plate splice joint of OBG Segment 12AE. Welder is identified as 054016. ZPMC Quality Control (QC) is identified as Mr. Li Ping. The welding variables recorded by QC appeared to comply with the Applicable WPS-345-SMAW-4G (4F) - Repair, which is used as per Welding Repair Report (WRR) B-WR-16068.

SMAW repair welding of weld joint SEG3001AL-009 located on side plate to side plate splice joint of OBG Segment 12AE. Welder is identified as 054016. ZPMC Quality Control (QC) is identified as Mr. Li Ping. The welding variables recorded by QC appeared to comply with the Applicable WPS-345-SMAW-4G (4F) - Repair, which is used as per Welding Repair Report (WRR) B-WR-16118.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

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

WELDING INSPECTION REPORT

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Inspected By:	Kumar,Vibin	Quality Assurance Inspector
Reviewed By:	McClendon,Timothy	QA Reviewer