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: Pursell, Gary
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-003153
Date Inspected: 25-Jun-2008

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

OSM Arrival Time: 630
OSM Departure Time: 1430
Location: Shanghai, China

CWI Name:	Wang Sei Fa	**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 Deck Panel Repairs

Summary of Items Observed:

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

Bay 3 – New Tower Building

This QA Inspector randomly observed ZPMC welding and quality control personnel performing inspection, grinding, and Flux Core Arc Welding (FCAW) repairs of Orthotropic Box Girder (OBG) deck panel Partial Joint Penetration (PJP) welds. The deck panels in repair process are designated as: DP075-001 and DP070-001.

In process deck panel repairs appear to be progressing in compliance with Caltrans Engineer Approved Repair Procedure.

The deck panels located in Tower Shop Bay #3 are designated as:
DP080-001 DP042-001 DP070-001 DP078-001 DP075-001 DP072-001
DP068-001 DP028-001 DP031-001 DP027-001 DP030-001 DP071-001
DP026-002 DP051-001 DP049-001 DP050-001 DP037-001 DP005-001
DP054-001 DP001-001 DP074-001 DP030-002 DP077-001 DP038-002
DP038-001 DP065-001 DP042-002 DP006-001 DP025-001 DP067-001
DP015-001 DP055-001 DP003-001 DP052-001

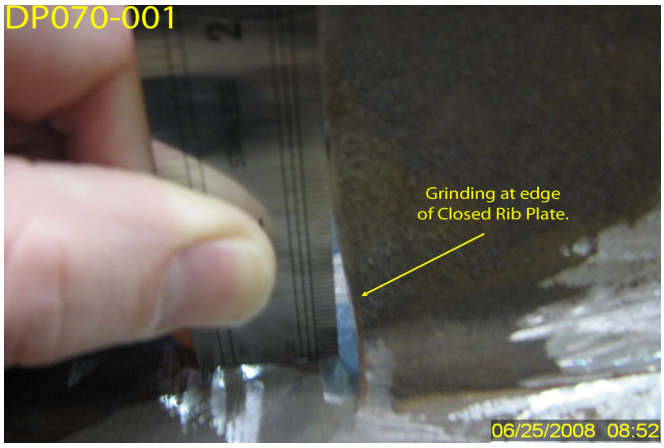
Visual Testing Before Repair

This QA Inspector performed an initial visual confirmation of the extent of rejectable indications contained in

deck panel designated as DP075-001. This visual confirmation was performed in conjunction with ABF representative Kevin Chen and ZPMC representative Wang Sei Fa.

This QA Inspector reviewed the contract files and tracking logs for the Magnetic Particle Testing (MT), Ultrasonic Testing (UT), Welding Procedure Specifications (WPS), Procedure Qualification Records (PQR), and QC Inspector records for the deck panel repairs to date.

Digital images attached to this report are of in process deck panel repairs.



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 Ady Velasco, (381) 694-2685, who represents the Office of Structural Materials for your project.

Inspected By:	Clifford,William	Quality Assurance Inspector
Reviewed By:	Lanz,Joe	QA Reviewer