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 #: 99.28

WELDING INSPECTION REPORT

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

Report No: WIR-012174
Date Inspected: 01-Feb-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: 645
OSM Departure Time: 1845
Location: Shanghai, China

CWI Name: Mr. Liu Hua Jie

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

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.

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This QA inspector observed ZPMC qualified welding personnel identified as 216086 perform SMAW Welding on Traveler Rail, weld joint detail identified as 10TR3-020. ZPMC QC is identified as Mr. Guo Pan. The approved Welding Repair Report (WRR) is identified as B-CWR1086. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-FCAW-2G (2F) Repair.

This QA inspector observed ZPMC qualified welding personnel identified as 048047 perform SMAW Welding on Traveler Rail, weld joint detail identified as 11TR2-013. ZPMC QC is identified as Mr. Guo Pan. The approved Welding Repair Report (WRR) is identified as B-CWR1086. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-FCAW-2G (2F) Repair.

This QA inspector observed ZPMC qualified welding personnel identified as 049339 perform SMAW Welding on Traveler Rail, weld joint detail identified as 11TR2-005. ZPMC QC is identified as Mr. Guo Pan. The approved Welding Repair Report (WRR) is identified as B-CWR1086. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-FCAW-2G (2F) Repair.

This QA inspector observed ZPMC qualified welding personnel identified as 054013 perform SMAW Welding on

Traveler Rail, weld joint detail identified as 11TR2-007. ZPMC QC is identified as Mr. Guo Pan. The approved Welding Repair Report (WRR) is identified as B-CWR1086. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-FCAW-2G (2F) Repair.

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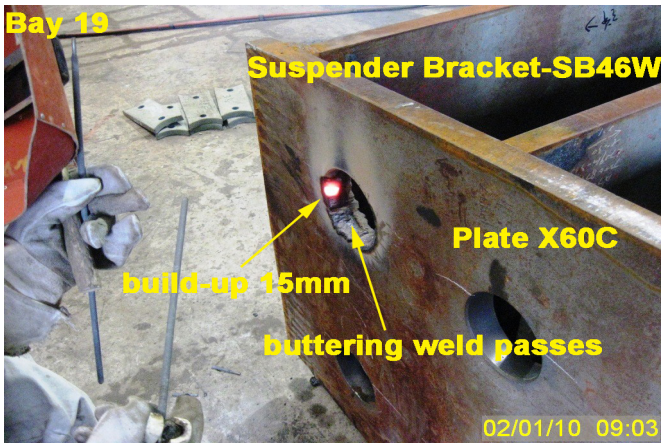
ZPMC personnel have performed buttering weld passes on Suspender Bracket-SB46W. The Suspender Bracket was needed to build-up 15mm according to inspection report (ZP06-787-J-B-1361). ZPMC welder is identified a 062746. The approved Welding Repair Report (WRR) is identified as B-WR10613. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-1G (1F)-Repair. For further information, please see the attached pictures.

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.

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