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-017165
Date Inspected: 26-Sep-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: 700
OSM Departure Time: 1900
Location: Shanghai,China

CWI Name:	Mr.Xu Tao/Wang Jie			**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

Summary of Items Observed:

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

Ultrasonic Testing (UT)

Bay #14

This QA Inspector performed Ultrasonic testing (UT) 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as Bottom Plate 13AE.

SEG3007AC-001,002

In process Inspection

Bay #19

This QA Inspector observed the following work in progress:
FCAW in the 1G position for the Bike Path, weld No: BK004A2-012-016. The welder is identified as #062734. ZPMC CWI is identified as Mr.Xu Tao.The welding variables recorded by QC appear to comply with WPS-B-T-2231-B-L1B-F-1.

This QA Inspector observed the following work in progress:
FCAW in the 3F position for the Bike Path, weld No: BK004A6-014-19/20. The welder is identified as #208632. ZPMC CWI is identified as Mr. Guo xing hui. The welding variables recorded by QC appear to comply with WPS-B-T-2133.

This QA Inspector observed the following work in progress:
FCAW in the 2G position for the Suspender Bracket, weld No: SB018-094-31. The welder is identified as #062808. ABF QA is identified as Mr. Peng Wei Jun. The welding variables recorded by QC appear to comply with WPS-B-T-2232-TC-U4b-F.Please see the attached picture.

Bay #16

This QA Inspector observed the following work in progress:
FCAW in the 3G position for the OBG Segment 13BW, weld No: LD3035-001-032. The welder is identified as #045143. ABF QA is identified as Mr. Li Shi You. The welding variables recorded by QC appear to comply with WPS-B-T-2233-TC-U5-F.

This QA Inspector observed the following work in progress:
FCAW in the 2G position for the OBG Segment 13AW, weld No: LD3034-001-077. The welder is identified as #045280. ABF QA is identified as Mr. Li Shi You. The welding variables recorded by QC appear to comply with WPS-B-T-2232-TC-U5-F. Please see the attached picture.

Bay #14

This QA inspector observed the following work in progress:
SMAW welding of Bottom Plates BP3075, BP3074, BP3073 and BP3072 located on OBG Segment 13West Line. Welder is identified as #045196. ZPMC CWI is identified as Mr. Wang Jie. Welding was performed according to the Critical weld repair report B-CWR1909 .The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-1G(1F)-FCM-Repair.

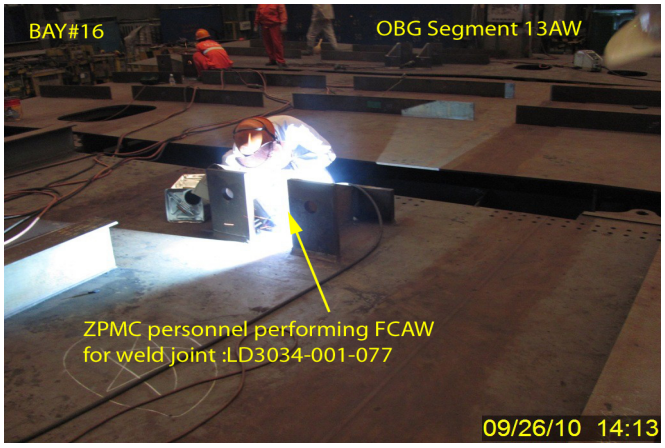
This QA Inspector observed the following work in progress:
FCAW in the 2G position for the OBG Segment 13CE, weld No: VP3007-001-012. The welder is identified as #070478. ZPMC QC is identified as Mr. Zhong Guo Hui. The welding variables recorded by QC appear to comply with WPS-B-T-2232-TC-U4B-F.

This QA Inspector observed the following work in progress:
FCAW in the 2G position for the OBG Segment 14 East line, weld No: VP3017A-001-006. The welder is identified as #044774. ZPMC QC is identified as Mr. Zhong Guo Hui. The welding variables recorded by QC appear to comply with WPS-B-T-2232-TC-U4B-F.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

WELDING INSPECTION REPORT

(Continued Page 3 of 3)



Summary of Conversations:

No Relevant Conversation.

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 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Pillai,Pandaram	Quality Assurance Inspector
Reviewed By:	McClendon,Timothy	QA Reviewer