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

Report No: WIR-016428
Date Inspected: 21-Aug-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: Wu shi guo/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

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.

In process Inspection

Out Side Yard

This QA Inspector observed the following work in progress:
SMAW in the 2F position for the OBG Segment 12AE X3P Plate, weld No: SEG3004L-018/019. The welder is identified as #201087. ZPMC QC is identified as Mr. Li ping. The welding variables recorded by QC appear to comply with WPS-B-P-2112-FCM-1.

This QA Inspector observed the following work in progress:
SMAW in the 2F position for the OBG Segment 12AE X3P Plate, weld No: SEG3004R-022/023. The welder is identified as #050232. ZPMC QC is identified as Mr. Li ping. The welding variables recorded by QC appear to comply with WPS-B-P-2112-FCM-1.

This QA Inspector observed the following work in progress:
SMAW in the 4G position for the OBG Segment 12AE Lifting Lug at panel point 111, weld No: SEG3004H-243. The welder is identified as #044772. ZPMC QC is identified as Mr. Li ping. The welding variables recorded by QC appear to comply with WPS-B-P-2214-TC-U4B-FCM-1.

Bay #14

This QA Inspector observed the following work in progress:
SAW in the 1G position for the OBG Segment 13AW Side Panel, weld No: SEG3013AE-003. The welder is identified as #045270. ZPMC QC is identified as Mr. Guo xing hui. The welding variables recorded by QC appear to comply with WPS-B-T-2221-B-L2C-S-2.

This QA Inspector observed the following work in progress:
SAW in the 1G position for the OBG Segment 13BE Side Panel, weld No: SEG3009N-002. The welder is identified as #044771. ZPMC QC is identified as Mr. Wang xu. The welding variables recorded by QC appear to comply with WPS-B-T-2221-B-L2C-S-2.

Bay #19

This QA Inspector observed the following work in progress:
FCAW in the 4F position for the Bike path weld No: BK004A6-010-035. The welder is identified as #208632. ZPMC QC is identified as Mr.Li Ming yang. The welding variables recorded by QC appear to comply with WPS-B-T-2134. Please see the attached picture.

This QA Inspector observed the following work in progress:
FCAW in the 4F position for the Bike path weld No: BK004A8-008-023/024. The welder is identified as #058792. ZPMC QC is identified as Mr. Li Ming yang. The welding variables recorded by QC appear to comply with WPS-B-T-2134.

This QA inspector observed the following work in progress:
FCAW welding of weld joint no: SB016-074-005 located on OBG Segment Suspender Bracket SB74W. Welder is identified as #062783. ZPMC CWI is identified as Mr. Xu Tao. Welding was performed with the temporary weld repair report. The welding variables recorded by QC appeared to comply with the WPS-345-FCAW-2G(2F)-Repair. Please see the attached picture.

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

WELDING INSPECTION REPORT

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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