

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 #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008707**Date Inspected:** 28-Aug-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	Zhan Hai Feng/ Guo Yuan Ting	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 Components	

Summary of Items Observed:

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

Bay #3

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 member is identified as OBG Components. The weld designations reviewed are as follows:

-(TR4A-PP9-001, 002)

This QA inspector observed the following work in progress:

Bay#2

FCAW welding of weld joint FB3073-003-001~006 located on FB3073-003. Welder is identified as 215676 (2F). ZPMC QC-CWI is identified as Xiang Feng Teng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint FB3073-004-001~006 located on FB3073-004. Welder is identified as 215864 (2F). ZPMC QC-CWI is identified as Xiang Feng Teng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint FB3069-002-001~006 located on FB3069-002. Welder is identified as 062438 (2F). ZPMC QC-CWI is identified as Xiang Feng Teng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

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FCAW welding of weld joint FB3069-002-007~008 located on FB3069-002. Welder is identified as 062438 (3G). ZPMC QC-CWI is identified as Xiang Feng Teng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

SMAW welding of weld joint FB3067-002-001, 003,~013, 015, 018~028 located on FB3067-002. Welder is identified as 200569 (Tack Weld). ZPMC QC-CWI is identified as Zhan Hai Feng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

SMAW welding of weld joint FB3067-001-001, 003,~013, 015, 018~028 located on FB3067-001. Welder is identified as 200569 (Tack Weld). ZPMC QC-CWI is identified as Zhan Hai Feng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint FB3061-001-005, 051, 052, 059, 060, 067, 068 located on FB3061-001. Welder is identified as 045209 (2F). ZPMC QC-CWI is identified as Zhan Hai Feng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint FB3059-001-053, 054, 061, 062, 069, 070 located on FB3059-001. Welder is identified as 045209 (3F). ZPMC QC-CWI is identified as Zhan Hai Feng. The welding variables recorded by QC appeared to comply with the Applicable WPS.

Cross Beams Update:

CB007-Bay#1-

FCAW welding of weld joint CB201A-007-005, 017 located on CB-007. Welder is identified as 216575 (2G). ZPMC QC-CWI is identified as Tian Lei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

CB015-Bay#1-

FCAW welding of weld joint FB204-048-037, 043 located on CB-015. Welder is identified as 216575 (2F). ZPMC QC-CWI is identified as Tian Lei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint FB204-045-025, 031 located on CB-015. Welder is identified as 216575 (2F). ZPMC QC-CWI is identified as Tian Lei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint FB205-048-005, 009 located on CB-015. Welder is identified as 216575 (2F). ZPMC QC-CWI is identified as Tian Lei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint FB204-048-006, 012 located on CB-015. Welder is identified as 216575 (2F).

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ZPMC QC-CWI is identified as Tian Lei. The welding variables recorded by QC appeared to comply with the Applicable WPS.

CB014-Bay#3- Fit up of Deck plate is in Progress.

CB012-Bay#8-

FCAW welding of weld joint CB201G-036-146, 164, 184, 185 located on CB-012. Welder is identified as 066687(2F). ZPMC QC-CWI is identified as Zhang Jing Xin. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint CB201G-035-146, 164, 184, 185 located on CB-012. Welder is identified as 066687(2F). ZPMC QC-CWI is identified as Zhang Jing Xin. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint CB201G-034-146, 164, 184, 185 located on CB-012. Welder is identified as 066687(2F). ZPMC QC-CWI is identified as Zhang Jing Xin. The welding variables recorded by QC appeared to comply with the Applicable WPS.

FCAW welding of weld joint CB201G-033-146, 164, 184, 185 located on CB-012. Welder is identified as 066687(2F). ZPMC QC-CWI is identified as Zhang Jing Xin. The welding variables recorded by QC appeared to comply with the Applicable WPS.

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

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

Inspected By:	Patel,Hiranch	Quality Assurance Inspector
Reviewed By:	Prue,Erik	QA Reviewer
