

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022327**Date Inspected:** 03-Apr-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Liu Hua Jie ZPMC**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:** BAY14 OBG**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Robert A. DeArmond was present during the time noted above and conducted observations relative to the work being performed.

TRIAL ASSEMBLY

13AE

Magnetic Particle Testing (MT)

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. All components were as listed on NWIT notification no. 08723. The member(s) is/are identified as Barrier Rails. The weld designations reviewed are as follows

W5-SB31-001, W5-SB30A-001, W5-SB31A-001, and W5-SB33-001

This QA Inspector observed the following work in progress:

FCAW welding of complete joint penetration weld joint(s) located on lift 13AE, SEG3007Q Edge Beam I-Rib Floor Beam weld number(s) 324 and 325. Welder is identified as welder no. 050242. The welding variables recorded by ZPMC QC identified as Zhan Hai Feng appeared to comply with applicable WPS(s) WPS-B-2-2231 ESAB.

WELDING INSPECTION REPORT

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FCAW welding of complete joint penetration weld joint(s) located on lift 13AE, SEG3007Q Edge Beam I-Rib Floor Beam weld number(s) 186. Welder is identified as welder no. 050242. The welding variables recorded by ZPMC QC identified as Zhan Hai Feng appeared to comply with applicable WPS(s) WPS-B-2-2231 ESAB.

FCAW welding of complete joint penetration weld joint(s) located on lift 13AE, SEG3007Q Edge Beam I-Rib Floor Beam weld number(s) 225 and 226. Welder is identified as welder no. 050242. The welding variables recorded by ZPMC QC identified as Zhan Hai Feng appeared to comply with applicable WPS(s) WPS-B-2-2231 ESAB.

FCAW welding of fillet weld joint(s) located on lift 13AE, SEG3007Q Longitudinal Diaphragm to Floor Beam I-Rib weld number(s) 114. Welder is identified as welder no. 055564. The welding variables recorded by ZPMC QC identified as Zhan Hai Feng appeared to comply with applicable WPS(s) WPS-B-2-2132 ESAB.

SMAW welding of complete joint penetration weld joint(s) located on lift 13AE, SEG3007G Deck Plate I-Rib to Deck Plate weld number(s) 014. Welder is identified as welder no. 068924. The welding variables recorded by ZPMC QC identified as Zhan Hai Feng appeared to comply with applicable WPS(s) WPS-B-P-2214-TC-U4b-FCM-1.

SMAW welding of complete joint penetration weld joint(s) located on lift 13AE, SEG3007J Deck Plate I-Rib to Deck Plate weld number(s) 012. Welder is identified as welder no. 068924. The welding variables recorded by ZPMC QC identified as Zhan Hai Feng appeared to comply with applicable WPS(s) WPS-B-P-2214-TC-U4b-FCM-1.

FCAW welding of fillet weld joint(s) located on lift 13AE, SEG3007N Longitudinal Diaphragm to Floor Beam I-Rib weld number(s) 249 and 250. Welder is identified as welder no. 055564. The welding variables recorded by ZPMC QC identified as Zhan Hai Feng appeared to comply with applicable WPS(s) WPS-B-2-2132 ESAB.

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

Summary of Conversations:

As mentioned above 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 Jim Devy 150-002-6784, who represents the Office of Structural Materials for your project.

Inspected By:	DeArmond,Robert	Quality Assurance Inspector
Reviewed By:	Riley,Ken	QA Reviewer
