

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: 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-021986**Date Inspected:** 15-Mar-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. Lv Li Qing 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.

BAY 14

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. 08551. The member(s) is/are identified as Floor Beam Diaphragm to Deck Plate and U-Rib. The weld designations reviewed are as follows:

SEG3007B-048, 060, 229, 233, 237, 241, 245, 249, 122, 124, 111, 112, 400, 114

SEG3007AD-036, 038

This QA Inspector observed the following work in progress:

SMAW welding of complete joint penetration weld joint(s) located on lift 14E, SEG3019X Anchor Plate to Longitudinal Diaphragm weld number(s) 004 and 005. Welder is identified as welder no. 043661.

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The welding variables recorded by ZPMC QC identified as Zhong Yong Gang appeared to comply with applicable WPS(s) WPS-345-SMAW-4G (4F)-FCM-Repair-1 and B-WR20361.

SMAW welding of complete joint penetration weld joint(s) located on lift 14E, SEG3019X Anchor Plate to Longitudinal Diaphragm weld number(s) 008 and 009. Welder is identified as welder no. 054013. The welding variables recorded by ZPMC QC identified as Zhong Yong Gang appeared to comply with applicable WPS(s) WPS-345-SMAW-4G (4F)-FCM-Repair-1 and B-WR20361.

SMAW welding of complete joint penetration weld joint(s) located on lift 14E, SEG3019AB Anchor Plate to Longitudinal Diaphragm weld number(s) 136. Welder is identified as welder no. 044779. The welding variables recorded by ZPMC QC identified as Zhong Yong Gang appeared to comply with applicable WPS(s) WPS-345-SMAW-4G (4F)-FCM-Repair-1 and B-WR20369.

SMAW welding of complete joint penetration weld joint(s) located on lift 14E, SEG3019BB Cable Anchorage Vertical Stiffener Plate to Bottom Plate weld number(s) 171. Welder is identified as welder no. 215553. The welding variables recorded by ZPMC QC identified as Zhong Yong Gang appeared to comply with applicable WPS(s) WPS-B-P-2212-TC-U4b-FCM-1.

SMAW welding of complete joint penetration weld joint(s) located on lift 14E, SEG3019BB Cable Anchorage Vertical Stiffener Plate to Bottom Plate weld number(s) 171. Welder is identified as welder no. 216086. The welding variables recorded by ZPMC QC identified as Zhong Yong Gang appeared to comply with applicable WPS(s) WPS-B-P-2212-TC-U4b-FCM-1.

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.

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