

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-008550**Date Inspected:** 25-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Ming**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:** Tower&OBG**Summary of Items Observed:**

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

BAY#14

Magnetic Particle Inspection

This Q.A Inspector performed Magnetic Particle Testing of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA Inspector generated a (M.T) report for this date. The members are identified as the 6BW the welds Designation are as follows.

EP041A; SP413A-001-03, 01; SP095A; SP122A-001-09, 10; SP149-001-05, 06; SP083B-001-31;
LD-001-007-03; FB003-055-01, 02, 04, 12; FB003-033-01, 14, 3, 5; FB003-045-13, 14, 25, 26

This QA Inspector randomly observed the following work in progress

BAY#10

FCAW welding process of weld joint 5B located on PCMK NSD1-TL-8B/L. Welder is identified as 040338
ZPMC QC is identified as Li Ming. The welding variables recorded by QC appeared to comply with the
WPS-B-T-2232-TC-U4B-F

WELDING INSPECTION REPORT

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FCAW welding process of weld joint 4B located on PCMK NSD1-TL-8B/L. Welder is identified as 054069 ZPMC QC is identified as Li Ming. The welding variables recorded by QC appeared to comply with the WPS-B-T-2232-TC-U4B-F.

FCAW welding process of weld joint 60A located on PCMK NSD1-FCSA3-1B/C. Welder is identified as 048378ZPMC QC is identified as Wang Hao. The welding variables recorded by QC appeared to comply with the WPS-B-T-2232-TC-U5-F

FCAW welding process of weld joint 54B located on PCMK NSD1-FCSA3-1B/C. Welder is identified as 048784ZPMC QC is identified as Wang Hao. The welding variables recorded by QC appeared to comply with the WPS-B-T-2232-TC-U5-F.

BAY#11

SAW welding process of weld joint 18 located on PCMK ESD1-FCSA4-2A/C. Welder is identified as 202756 ZPMC QC is identified as Mao bin bin. The welding variables recorded by QC appeared to comply with the WPS-B-T-2321-B-P3-S-2.

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

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 Serge Sinevod 134-8257-0045, who represents the Office of Structural Materials for your project.

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| Inspected By: | Utekar,Shrikant | Quality Assurance Inspector |
| Reviewed By: | Clifford,William | QA Reviewer |
