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-012524
Date Inspected: 22-Feb-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:	Mr. Du zhi qun			**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

Summary of Items Observed:

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

Bay no. 10

1.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 050295 perform SAW welding on, BC corner of south tower, Lift 5, and weld joint identified as SSD1-TL5-1B-F-9A. ZPMC CWI Identified as Mr. Du zhi qun. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3221-B-U3C-S1.(Photo attached)

2.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 057258 perform SMAW repair welding on, CD corner of North tower, Lift 4, and weld joint identified as NSTL4-3B/L-1A. ZPMC CWI Identified as Mr. Liu zhong an. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-4G (4F)-Repair.

Bay no. 11

3.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 066361 perform SMAW welding on, East tower, Lift 5, CD corner and weld joint identified as ESD1-TL5-2B/F-16B. ZPMC CWI Identified as Mr. Li lin. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3212-C-U2.

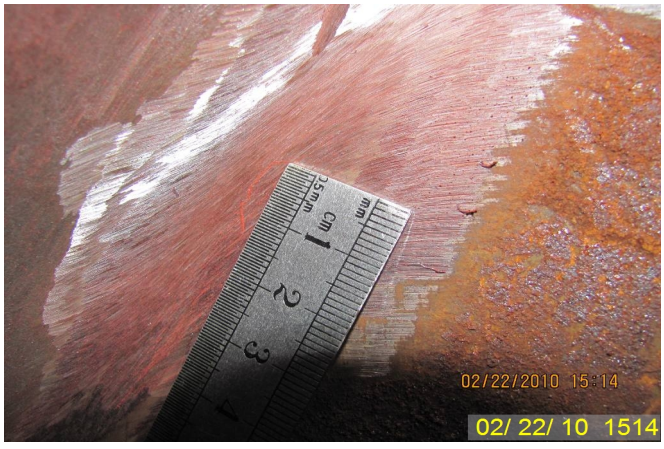
Heavy Dock Jetty

4.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 066674 perform FCAW welding on, inside East tower, Lift 1 OF Bearing stiffener, and weld joint identified as ESD1-SA294 F/G-13, 25. ZPMC CWI Identified as Mr. Yu qi guo. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2332-TC-P4-F.

5.This QA inspector, Baskar Govindarajan, carried out Magnetic Particle Testing (MT) along with ABF Inspectors Mr. Zhong sheng long and Mr. You yong kang, inside East tower, Lift 2, 53 mtr. Elevation, AB, DE and AE corners. This inspection carried out approximately 1.5 mtr. Height from Top diaphragm. During this inspection, no significant indication observed. (Photo attached)

6.This QA inspector, Baskar Govindarajan, carried out Magnetic Particle Testing (MT) along with ABF Inspectors Mr. Zhong sheng long and Mr. You yong kang, inside West tower, Lift 1, 43 mtr. Elevation, AB, DE and AE corners. This inspection carried out approximately 1.5 mtr. Height from Top diaphragm. During this inspection, approximately 14 mm linear indication observed by ABF Inspectors which is approximately 560 mm from 43 mtr. Elevation.(Photo attached)

Unless otherwise noted, all work 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 Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

Inspected By:	Baskar,Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer