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 #: 04-0120F4
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-010662
Date Inspected: 02-Dec-2009

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 645
OSM Departure Time: 1845
Location: Shanghai, China

CWI Name: Yu Dong Ping, An Qin Xiang, 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 Components

Summary of Items Observed:

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

This QA Inspector observed the following work in progress:

Bay 10, North Tower, Lift 4, Skin A, Temporary Attachment Area.

During random visual inspection at North Shaft, Lift 4, Skin A (Temporary Attachment Area near Corner Seam A/E) this Caltrans Quality Assurance (QA) Inspector observed “Crack Like” indication at the removed Temporary attachment Weld area. The indications were shown to ZPMC and ABF QC Inspectors. No Incident Report written on this issue. The attached photographs provide additional detail.

Bay 11, West Tower, Interior Splice PLate.

FCAW welding of weld joint WSD1-SPSA4-3-2A; located on Bay 11, West Tower. Welders are identified as 048810; ZPMC Quality Control Inspector (QC) is identified as An Qin Xiang. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-2231-TC-U5-F.

Bay 10, South Tower, Interior Splice PLate.

FCAW welding of weld joint SSD1-SPSA4-18-1B; located on Bay 10, South Tower. Welders are identified as 040533; ZPMC Quality Control Inspector (QC) is identified as Du Zhi Qun. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-2231-TC-U5-F.

Bay 11, South Tower, Struts.

WELDING INSPECTION REPORT

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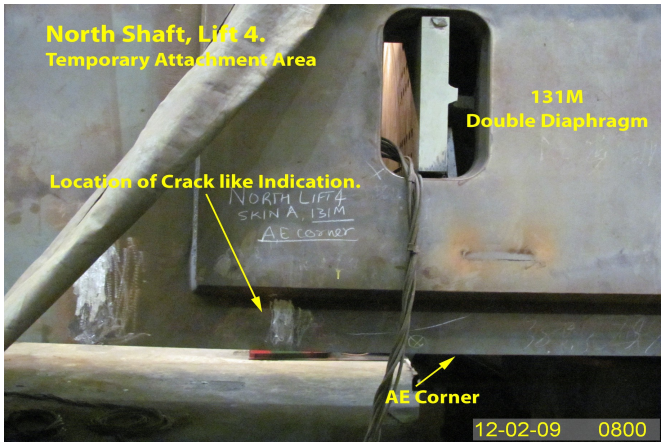
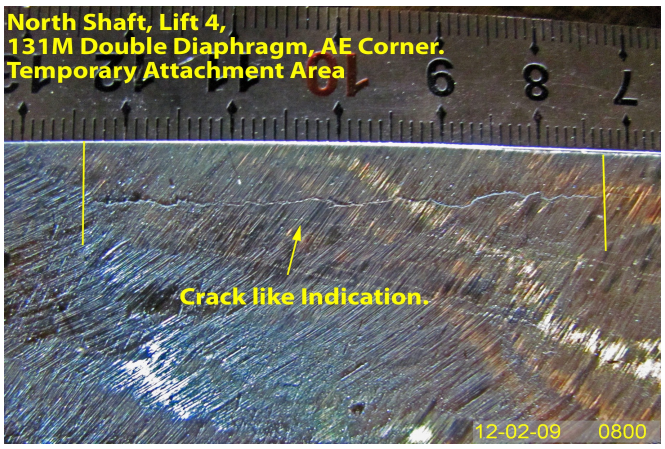
SMAW Repair welding of weld joint SD1-A6002-11-9B (WRR # Temporary); located on Bay 11, South Tower. Welders are identified as 049099; ZPMC Quality Control Inspector (QC) is identified as Yu Dong Ping. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-485-SMAW-2G(2F)-FCM-REPAIR-1.

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 Serge Sinevod, 13482570045, who represents the Office of Structural Materials for your project.

Inspected By:	Juvekar,Amit	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer