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 #: 99.28

WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-023905
Date Inspected: 17-May-2011

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

OSM Arrival Time: 1500
OSM Departure Time: 300
Location: Shanghai, China

CWI Name: Lv Li Qing

Inspected CWI report:	☑ Yes	☐ No	☐ N/A	**CWI Present:**	☑ Yes	☐ No	
Electrode to specification:	☑ Yes	☐ No	☐ N/A	**Rod Oven in Use:**	☑ Yes	☐ No	☐ N/A
Qualified Welders:	☑ Yes	☐ No	☐ N/A	**Weld Procedures Followed:**	☑ Yes	☐ No	☐ N/A
Approved Drawings:	☑ Yes	☐ No	☐ N/A	**Verified Joint Fit-up:**	☐ Yes	☑ No	☐ N/A
				Approved WPS:	☑ Yes	☐ No	☐ N/A
				Delayed / Cancelled:	☐ Yes	☑ No	☐ N/A

Bridge No: 34-0006
Component: OBG 13AW, 13CW, 14E

Summary of Items Observed:
On this date Caltrans OSM Quality Assurance (QA) Inspector, Dennis Combs, was present during the times noted above for the observations relative to the work being performed.

TRIAL ASSEMBLY YARD

This Caltrans QA inspector received ZPMC non-destructive test (NDT) notification number 09160 from ZPMC for Trial Assembly Yard. This QA inspector performed magnetic particle testing (MT) verification of welds after ZPMC had performed their MT inspection. The segment is identified as 13AW. The weld designations reviewed are as follows.

SA3168-147~168, 319~332

This Caltrans QA inspector received ZPMC non-destructive test (NDT) notification number 09163 from ZPMC for Trial Assembly Yard. This QA inspector performed magnetic particle testing (MT) verification of welds after ZPMC had performed their MT inspection. The segment is identified as 13AW. The weld designations reviewed are as follows.

SEG3011L-194, 196, 197, 199, 201, 202, 204, 206, 207, 209, 211, 212, 214, 216, 217, 219, 221, 222, 226, 228, 231, 232, 238
SP3075-001-035, 036, 071
SP3080-001-004~007

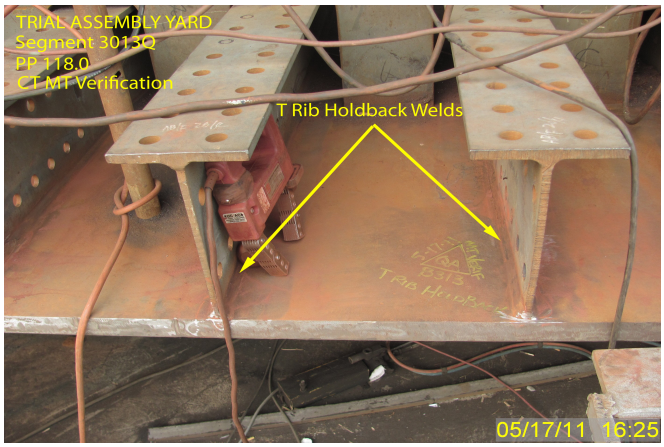
This QA Inspector observed the following work in progress for Trial Assembly Yard.
ZPMC was using the Shielded Metal Arc Welding (SMAW).
ZPMC QC is identified as Wang Xiang Pin.
Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).
Listed below are the locations that were identified by this QA inspector.

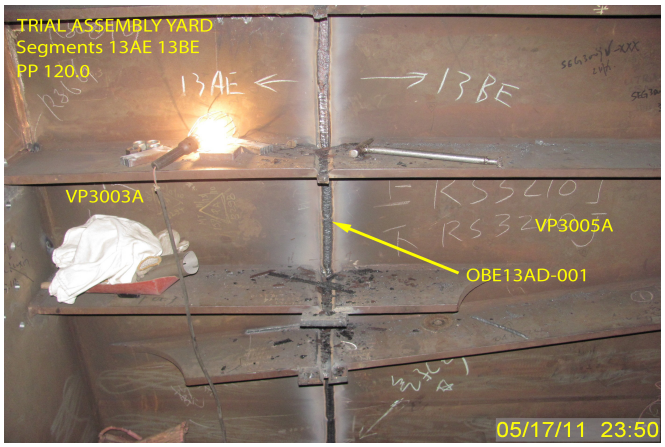
Component: Side Plate Stiffener at CB19
PCMK: SEG3019Y
Weld Number: 058
Welder: 501946
WPS-B-P-2214

Component: I Rib to BP Holdback
PCMK: BP3043-001
Weld Number: 054
Welder: 055564
WPS-B-T-2112-ESAB

Component: EP to EP
PCMK: OBE13AD
Weld Number: 001
Welder: 050242
WPS-B-T-2233-ESAB

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 James Devey 15000026784, who represents the Office of Structural Materials for your project.

Inspected By:	Combs,Dennis	Quality Assurance Inspector
Reviewed By:	Riley,Ken	QA Reviewer