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 #: 1.28

WELDING INSPECTION REPORT

Resident Engineer: Casey, William
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-028703
Date Inspected: 02-Nov-2012

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: American Bridge/Fluor Enterprises, a JV

OSM Arrival Time: 700
OSM Departure Time: 1730
Location: Job site

CWI Name:	Harry Scharein			**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: OBG

Summary of Items Observed:

Quality Assurance Inspector (QAI) Rodney Patterson was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

The QAI noted and periodically observed ABF welder Jose Torres #6235 performing Shielded Metal Arc Welding (SMAW) in the 2F position utilizing the Caltrans approved Welding Procedure Specification ABF-WPS-D1. 5-F1200A. The weld is a fillet connection between the deck drop-in and the diverter plate at panel point 122 on lift 13W.

This QA performed verification Ultrasonic Testing (UT) on Complete Joint Penetration (CJP) Deck drop-in related welds for lift 13E. The welds were previously tested and accepted by QC Ultrasonic technicians in accordance with AWS D1.5-2002, section 6, table 6.3. The QAI's findings are as follows;

13W Deck Drop-in Longitudinal Splice (Weld No. 13E-E2.5)
The QAI was provided the approval for repair document history for this weld by the QA task leader, for ultrasonic verification and closure of the listed repair documents at the following locations;

Y=1025 RWR-201209-021
Y=1100 RWR-201210-005

The QAI then performed verification ultrasonic testing in way of locations ultrasonically rejected by the QAI on

09-24-2012. The following Y locations were ultrasonically examined.

Y=1100-No rejectable indications observed
Y=1650-No rejectable indications observed
Y=2800-No rejectable indications observed
Y=4235-No rejectable indications observed

Magnetic Particle Testing (OBG 13E)
This QA Inspector performed verification Magnetic Particle Testing (MT) of the lift 13E Deck Drop-in longitudinal weld splice. This QA Inspector generated a TL-6028 MT report on this date. The results of the inspection are as follows;

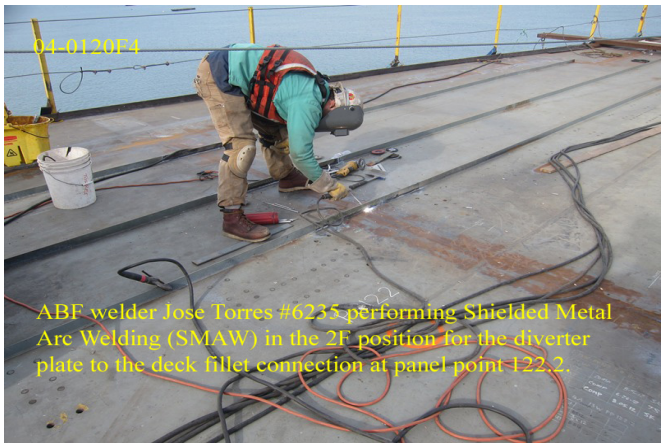
13W Deck Drop-in Longitudinal Splice (Weld No. 13E-E2.5)
The QAI was provided the approval for repair document history for this weld by the QA task leader, for magnetic partical verification and closure of the listed repair documents at the following locations;

Y=1025 RWR-201209-021
Y=1100 RWR-201210-005

They QAI then performed verification magnetic particle testing in way of locations ultrasonically rejected by the QAI on 09-24-2012. The following Y locations were examined.

Y=1100-No rejectable indications observed
Y=1650-No rejectable indications observed
Y=2800-No rejectable indications observed
Y=4235-No rejectable indications observed

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



Summary of Conversations:

Conversations relevant to the work being performed.

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 Gary Thomas (916) 764-6027, who represents the Office of Structural Materials for your project.

Inspected By:	Patterson,Rodney	Quality Assurance Inspector
Reviewed By:	Reyes,Danny	QA Reviewer