

**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 #: 1.28**WELDING INSPECTION REPORT**

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

**Report No:** WIR-027716  
**Date Inspected:** 04-Jun-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:** 1930  
**Location:** jobsite

<b>CWI Name:</b>	William Sherwood	<b>CWI Present:</b>	Yes	No
<b>Inspected CWI report:</b>	Yes No N/A	<b>Rod Oven in Use:</b>	Yes	No N/A
<b>Electrode to specification:</b>	Yes No N/A	<b>Weld Procedures Followed:</b>	Yes	No N/A
<b>Qualified Welders:</b>	Yes No N/A	<b>Verified Joint Fit-up:</b>	Yes	No N/A
<b>Approved Drawings:</b>	Yes No N/A	<b>Approved WPS:</b>	Yes	No N/A
		<b>Delayed / Cancelled:</b>	Yes	No N/A
<b>Bridge No:</b>	34-0006	<b>Component:</b>	OBG	

**Summary of Items Observed:**

At the start of the shift this Quality Assurance Inspector (QA) traveled to the SAS project site and observed the work and the inspection performed by American Bridge/Fluor Enterprises (AB/F) welding and Quality Control (QC) personnel. The observations and inspections were performed as noted below:

**OBG West Drop-in Splice 13W/14W**

This QAI observed the welding of the back gouged backside of weld joint 13W-14W-A2.1. The welding was being performed by Michael Jimenez in the 4G position using the Shield Metal Arc Welding (SMAW) Process at 121 amps using an E7018H4R consumable electrode. (see picture below)

QAI observed the welding of the back gouged backside of weld joint 13W-14W-A2.8. The welding was being performed by Jeremy Dolman (ID#5042) in the 4G position using the Shield Metal Arc Welding (SMAW) Process at 123 amps using an E7018H4R consumable electrode.

This QAI observed the welding of the back gouged backside of weld joint 13W-14W-A2.8. The welding was being performed by Welder Rory in the 4G position using the Shield Metal Arc Welding (SMAW) Process at 125 amps using an E7018H4R consumable electrode.

QC William Sherwood was observed by this QAI performing in-process weld inspection and QC verification using the applicable Welding Procedure Specification. This QAI observed and verified the welding and QC inspection at random intervals.

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# WELDING INSPECTION REPORT

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QAI observed the fitting of the back-up bar and welding of web splice on beam 13W-PP123-BW-1 in the 3G position by welder Mike Jimenez utilizing the requirements of Welding Procedure Specification AB-WPS-D15-1030-A. This QAI observed the fit-up and welding met the requirements of the Welding Procedure Specification and The American Welding Society D1.5 Bridge Welding Code.

## OBG West Side Suspender Brackets

QAI observed the welding on stiffeners x464-12A of the west side of Suspender Bracket PPE-104W. The welding was being performed by Eric Sparks in the 3G and 4G position using the Shield Metal Arc Welding (SMAW) Process at 120 amps using an E7018H4R consumable electrode. (see picture below)

### Summary of Conversations:

There were general conversations with Quality Control Inspector William Sherwood, at the start of the shift regarding the location of welding, inspection personnel scheduled for this shift.

### 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 Nina Choy 510 385 5910, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Daggett, Matt	Quality Assurance Inspector
<b>Reviewed By:</b>	Levell, Bill	QA Reviewer

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