

**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-029358  
**Date Inspected:** 14-Mar-2013

**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:** 1530  
**Location:** Job Site

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

**Summary of Items Observed:**

Caltrans Office of Structural Material (OSM) Quality Assurance Inspector (QAI) Joselito Lizardo was present at the Self Anchored Suspension (SAS) job site as requested to perform observations on the welding of components for the San Francisco Oakland Bay Bridge (SFOBB) Project.

At OBG 8W thru 12W and 9E thru 12E top deck plate outside, this QA was tasked to perform survey on the planar misalignment of the welded splice butt joints of the deck plates. After the survey, the following measurements were taken from the actual location of the misalignments;

OBG Y location Planar offset

9E-10E A1 4000 – 4590mm 4mm

10E-11E A2 4590 -5870mm 4mm

10E-11E A4 2050 – 2310mm 3mm

10E-11E A4 4500 – 5000mm 3mm

11E-12E A1 1290 – 1625mm 3mm

OBG Y location Planar offset

8W-9W Not seen/limited access.

---

---

# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

9W-10W A1 2500 – 3000mm 5mm

10W-11W A1 1970 – 2135mm 3mm

11W-12W A3 1500 – 2000mm 6mm

At the request of Quality Control Field Supervisor, Bonifacio Daquinag, QA has randomly verified the QC VT/MT on temporary welded lifting lug removal mentioned below. The QA verification was performed to verify that the VT/MT inspection performed by the QC inspector meet the requirements of the contract documents. At the conclusion of the QA verification it appeared that the ground removal of the lifting lugs and the QC inspection complied with the contract documents.

1. L14E-PP127.75-E3 North – OBG lifting lug (pyramid) removal QA verified
2. L14E-PP127.75-E3 North – OBG lifting lug (pyramid) removal QA verified
3. Skyway east bound – lifting lug hole #4 removal QA verified.
4. Skyway east bound – lifting lug hole #7 removal QA verified.
5. Skyway east bound – lifting lug hole #8 removal QA verified.
6. West cable shroud location W3N - lifting lug removal QA verified
7. West cable shroud location W2N - lifting lug removal QA verified
8. West cable shroud location W1N - lifting lug removal QA verified
9. West cable shroud location W1S - lifting lug removal QA verified
10. West cable shroud location W2S - lifting lug removal QA verified
11. West cable shroud location W3S - lifting lug removal QA verified
12. West cable shroud location W4S - lifting lug removal QA verified

### Summary of Conversations:

No significant conversation occurred today.

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

---

**Inspected By:** Lizardo, Joselito

Quality Assurance Inspector

---

**Reviewed By:** Reyes, Danny

QA Reviewer