

**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-026857**Date Inspected:** 10-Dec-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** Bonifacio Daquinag**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:** 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 the request of Quality Control Field Supervisor, Bonifacio Daquinag, QA has randomly verified the QC VT/MT of the Complete Joint Penetration (CJP) welding of four (4) lifting lug hole infill plate butt joints, two (2) vent hole infill plate butt joints and one (1) top deck plate splice butt joint. The QA verification was performed to verify that the welding and 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 weld and the QC inspection complied with the contract documents.

1. OBG 14W-PP125-W3-#1 lifting lug hole infill plate to top deck plate outside - QA VT/MT verified
2. OBG 14W-PP125-W3-#2 lifting lug hole infill plate to top deck plate outside - QA VT/MT verified
3. OBG 14W-PP125-W3-#3 lifting lug hole infill plate to top deck plate outside - QA VT/MT verified
4. OBG 14W-PP125-W3-#4 lifting lug hole infill plate to top deck plate outside - QA VT/MT verified
5. OBG 14W-PP126.7-W5 vent hole infill plate to top deck plate outside - QA VT/MT verified
6. OBG 14W-PP126.7-W4.2 vent hole infill plate to top deck plate outside - QA VT/MT verified
7. OBG 13E/14E top deck plate 'A2.2' splice butt joint outside - QA VT/MT verified

At OBG 14W-PP125-W3-#1 to 4 lifting lug hole infill plate to top deck plate outside, the lifting lug holes adjacent base metal (approximately 6" to 8") were tested using Magnetic Particle Testing (MT) in addition to the same test

---

---

# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

that was performed to the same holes for the purpose of information only in view of the found linear indication on one (1) of the lifting lug holes.

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

---

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

---