

**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-029115**Date Inspected:** 08-Feb-2013**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:** S.A.S. Job site**CWI Name:** Martin Canilao**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:** S.A.S. Structure**Summary of Items Observed:**

The Caltrans Quality Assurance Inspector (QAI), Scott Croff, was present at the Self Anchored Span (SAS) job site to observe the scheduled fabrication and welding of components for the SFOBB project.

The QAI was requested to sample fastener components that have been delivered to the pier 7 staging area. The QAI and the Assistant Structural Materials Representative (ASMR) Yiannis Kourakis selected a representative sample of the fastener components. The QAI was informed that the bolts will be installed into other members that are threaded and there are no nuts to sample. The QAI reviewed the supporting documentation for the fastener components and selected a sample of 5/8" bolts and washers that will be used for the elevator safety enclosure installation. The QAI completed a TL-102 sampling form with lot number B212-021-13. The QAI noted that the samples will be taken to Translab at a later time. See the attached photo. Reference the TL-102 sample form for additional information.

The QAI reviewed contract documents at pier 7. The QAI used approved weekly welding report submittals and cross referenced the welding and inspection status as reported with QA records to identify the overall weld status. The QAI continued reviewing the contractor's submitted Electro-Slag Welding (ESW) reports and referencing the Requests for Weld Repair (RWRs) in order to determine the status of completion of the repairs and welds' overall reported condition. The QAI continued reviewing submittal 1536R144 and 145, for contract conformance. The QAI completed reviewing welding report packages 142 and 143. The QAI noted that during the document reviews, previously submitted welding inspection and testing reports are being identified as needing corrections / revisions. These reports are being copied / noted and will be provided to the contractor for additional information. The QAI noted that the Quality Control Inspector (QCI) William Norris has been replaced by Martin Canilao. The

---

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

QAI relayed the document correction / revision findings. The QAI was informed that the reports will be reviewed and revised as necessary.

**Summary of Conversations:**

The QAI relayed the status of the document / submittal reviews and bolt sampling to the QAI Lead Danny Reyes. Except as described above, there were no other notable 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 Gary Thomas, (916) 764-6027, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Croff,Scott	Quality Assurance Inspector
<b>Reviewed By:</b>	Reyes,Danny	QA Reviewer

---