

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-028517**Date Inspected:** 05-Oct-2012**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:** Barry Drake**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 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 witnessed work in progress related to Contract Change Order (CCO) 179. The QAI noted that the flux cored arc welding (FCAW) fillet welding is being performed by Brendon Chapman, ID 9278. At the Handrail Dividers, conduit for lights is being installed through the bikepath segments and being seal welded on the top and bottom surfaces. The QAI noted that the Quality Control Inspector (QCI) Barry Drake is monitoring this work. The QAI was informed that the welding procedure specification (WPS) being used is ABF-WPS-D11-F2201. The QAI noted the work was being performed on 10-04-12 and will be completed today. The QAI noted that panel locations 244, 245, 246 & 247 will be worked on. See the attached photo.

The QAI assisted the Assistant Structural Materials Representative (ASMR) Adam Kreger. The QAI and the ASMR made visual examinations of the as-built condition of the diaphragm plates in the Tower Head Assembly for punch list item #440. The welds were examined and noted that the work appeared to be complete.

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 log of approved welding repairs to reference with the reported status of the welds. This work was in progress until the end of the shift.

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Summary of Conversations:

The QAI relayed the status of the document reviews, CCO work and punch list observations 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.

Inspected By:	Croff, Scott	Quality Assurance Inspector
Reviewed By:	Reyes, Danny	QA Reviewer
