

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012854**Date Inspected:** 01-Apr-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1630**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** n / a**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:** Orthotropic Box Girders (OBG)**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 reviewed contract related documents including the submitted and approved Welding Quality Control Plan (WQCP) and approved revisions to the WQCP. The QAI Lead Bill Levell informed the QAI that 1 welder has been informally approved by the Engineer, welder Kenneth Chappell, ID 3833 has been certified for shielded metal arc welding (SMAW). The QAI was given a copy of the welder certification. The certification was placed into the WQCP and noted that they will be formally submitted in the next WQCP addenda.

The QAI also conducted informational verification of the as built plate thickness of the OBG segments / plate transitions. It was noted earlier this week that there appeared to be conflicting measurements of actual thicknesses of components versus the design and shop details of plate thicknesses. The QAI determined that the visual measuring appeared to be inaccurate and ultrasonic testing verification was performed to determine that the steel plates are within the nominal thickness detailed. The QAI relayed this information to the QAI Lead Bill Levell and the Structural Materials Representative (SMR) Behrouz Bozorgnia.

Summary of Conversations:

Noted above. There were no other notable observations or 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 Mohammad Fatemi, (916)813-3677, who represents the Office of Structural

WELDING INSPECTION REPORT

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Materials for your project.

Inspected By: Croff, Scott

Quality Assurance Inspector

Reviewed By: Levell, Bill

QA Reviewer