

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 #: 01.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-000154**Date Inspected:** 09-May-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1500**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Benicia, CA**CWI Name:** Michael Johnson**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:** Procedure Qualification Record (PQR) Test**Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector Mary Madere is present at the Ironworkers Apprenticeship Training Facility as requested by ABF for the continuing purpose of witnessing Procedure Qualification Record tests. On this date, the QA Inspector observed the following personnel present: Smith-Emery Company's Quality Control (QC) Representative Certified Welding Inspector (CWI) Mr. Michael Johnson, ABF Representatives Mr. Tommy Gibson and Mr. Rick Clayborn, Bay Arc Representative Mr. Rich Deveau and welder Mr. Dan Gordon.

The QA Inspector witnessed the continuation of the first attempt of a minimum heat input Procedure Qualification Record (PQR) Test identified as ABF-PQR-016-2. This PQR test is being attempted using the flux-cored arc welding (FCAW-G) process with gas shielding and a mechanical device that travels on a magnetic track. Welder Mr. Dan Gordon completed two weld passes on this date. For specific welding parameters recorded during this PQR and digital photographs that support these observations, see Caltrans Welding Witness Report, TL-6032 generated on this date.

Summary of Conversations:

After two weld passes were completed, Quality Control Representative Mr. Michael Johnson stated that the welding machine has malfunctioned and Bay Arc Representative Mr. Rich Deveau will have a replacement welding machine on site on Thursday, May 10, 2007.

ABF Representative Mr. Rick Clayborn informed the QA Inspector that the welding machine is not working properly and has stopped in two different areas during testing. Mr. Clayborn also stated the he would use a grinder to blend these areas prior to continuing with the PQR test.

WELDING INSPECTION REPORT

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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 Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By:	Madere,Mary	Quality Assurance Inspector
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Reviewed By:	Cuellar,Robert	QA Reviewer
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