

**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:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-028647**Date Inspected:** 22-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:** Job Site**CWI Name:** See below.**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:** OBG**Summary of Items Observed:**

Quality Assurance Inspector (QA) Fritz Belford was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

**OBG 12W**

This QAI observed QC Inspector John Hays performing the initial Ultrasonic Testing Shear Wave (UTSW) on weld 12W W2.1-C1. QC Inspector was observed rejecting the weld at various Y locations throughout. This QAI also observed QC Inspector Scott Kortum performing Ultrasonic Testing Shear Wave (UTSW) on completed welds at panel point 12W PP114.5 W2.1. The QCI was observed accepting and rejecting welds per applicable code and or contract criteria.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Amendment to Daily Report dated 10/19/2012:

The following statements are a description of events on 10/22/2012 and supersedes findings on report# WIR-028608 dated 10/19/2012 concerning weld 12W PP113.5 W2.1-BW2.

Weld 12W PP113.5 W2.1-BW2

The QAI performed 100% verification of this weld. A total of one rejectable indication was observed at the time of

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## WELDING INSPECTION REPORT

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inspection with an AWS db rating=+10 and a length of 15mm located at Y=55. The ABF QC inspector Scott Kortum was present for verification of the indication. The QAI observed Mr. Kortum calibrate on the QAI's IIW block present onsite. The QAI observed the ultrasonic response of the ABF QCI inspectors calibrated equipment show an AWS db rating=+11. Due to the length of the Class B discontinuity being less than 20mm it was deemed to be acceptable at the time of inspection.



### Summary of Conversations:

Conversation was relevant to work during this shift.

### 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.

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**Inspected By:** Belford,Fritz

Quality Assurance Inspector

**Reviewed By:** Reyes,Danny

QA Reviewer

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