

**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 #: 13.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-003592**Date Inspected:** 21-Aug-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Oregon Iron Works Clackamas, Or.**Location:** Clackamas, Oregon**CWI Name:** Scot Reed**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:** Hinge K components**Summary of Items Observed:**

On this date, Caltrans Quality Assurance (QA) Inspector Danny C. White (B89) was present at Oregon Iron Works (OIW) for the purpose of monitoring fabrication and welding operations of the Hinge K Pipe Beam at the OIW fabrication and welding shop in Clackamas, Oregon.

The QA Inspector performed random observations in the fabrication shop (Bay #1) and observed Machine Shop Foreman Mr. Eric Kirkwood was utilizing the 30 foot mill to machine the base-plate component marked as a 110-4 for this job. Mr. Kirkwood informed the QA Inspector that he is performing machining operations since the normal mill operator Mr. Scott Jones was on vacation.

In Bay #2 the QA Inspector randomly observed third party Quality Control (QC) Inspector Mr. Scott Reed monitoring welder qualification tests being performed by OIW welding operators. The QA Inspector observed that several welder qualification test were performed this day. See photo below for additional information.

The QA Inspector observed that Mr. Rick Hinkle is continuing to fabricate a platform onto a rotating fixture in Bay #3.

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# WELDING INSPECTION REPORT

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## Summary of Conversations:

The QA Inspector met with OIW Quality Control Manager (QCM) Mr. Tom Tomovick and informed him that OIW Welding Engineer Mr. Greg Roberts refused to supply the certifications for the filler rods as well as the tungsten electrode utilized during the GTAW stainless steel procedure the week prior. Mr. Tomovick informed the QA Inspector that he would try to resolve this issue.

## 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 Ryan Smith, (858) 232-6799, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	White,Danny	Quality Assurance Inspector
<b>Reviewed By:</b>	Wright,Mark	QA Reviewer

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