

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-003753**Date Inspected:** 04-Sep-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:** Scott 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 Mr. 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 in bay #1 and observed Mr. Scott Jones was performing machining operations on the base-plate component marked as A109-1D for this job. The QA Inspector did observe that an unusual amount of machine debris was removed from the above mentioned item. Mr. Jones informed the QA Inspector that the plate is within the tolerance allowed by the drawing. See photo on the left below for additional information.

Also in bay #1 the QA Inspector randomly observed third party Quality Control (QC) Inspector Mr. Scott Reed monitored welder qualification tests performed by OIW welding operators. The QA Inspector observed that several welder qualification tests were performed this day. The QA Inspector did observe Mr. Reed as he performed interpass visual inspection (see photo on the right below for additional information) as well as monitoring welding parameters during the above mentioned tests.

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Summary of Conversations:

The QA Inspector was informed by OIW Welding Foreman Mr. Vern Taute that the flux core arc welding (FCAW) and gas tungsten arc welding (GTAW) stainless steel overlay repair procedure test plates would most likely be shipped to Koon Hall Testing Facility at the end of the shift. The QA Inspector later met with OIW QC Manager (QCM) Mr. Tom Tomovick and inquired if a TL-38 request was sent for the above mentioned shipment. Mr. Tomovick informed the QA Inspector that a request would be sent prior to shipment of the above mentioned items.

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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| Inspected By: | White,Danny | Quality Assurance Inspector |
| Reviewed By: | Wright,Mark | QA Reviewer |
