

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-003842**Date Inspected:** 11-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: Mike Gregson
Inspected CWI report: Yes No N/A
Electrode to specification: Yes No N/A
Qualified Welders: Yes No N/A
Approved Drawings: Yes No N/A

CWI Present: Yes No
Rod Oven in Use: Yes No N/A
Weld Procedures Followed: Yes No N/A
Verified Joint Fit-up: 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 was contacted by Shannon Lattis from Koon Hall Testing Facility by telephone regarding future testing of the stainless steel flux core arc welding (FCAW) and gas tungsten arc welding (GTAW) overlay repair procedure test plates which OIW wants to have tested. Ms. Lattis informed the QA Inspector that testing would commence on Monday September, 15 2008 at approximately 0900 hours. The QA Inspector informed Ms. Lattis that a request would need to be submitted for testing.

It was observed the day prior that most of the smaller stiffeners stored outdoors in the Hinge K storage area were un-stacked and marked. OIW personnel informed the QA Inspector that the heat numbers on most of the plates were not complete since they did not contain the entire heat number which includes the slab number and OIW is verifying the correct heat numbers on the materials as well as adding the slab number as necessary. The QA Inspector reviewed the heat numbers marked on the plates and verified those numbers with Material Test Reports (MTR's). The QA Inspector observed that the slab numbers were marked on the following heat numbers: D3249 slab number 1A, D3249 slab number 1B, D1107 slab number 4, D3249 slab number 3B, D3134 slab number 4, D3239 slab number 3A and D2945 slab number 5. The QA Inspector observed that the above mentioned heat and slab numbers appear to correspond with the MTRs.

Later in the shift the QA Inspector met with Quality Control (QC) supervisor Mr. Mike Gregson and ask him if he

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knew that the above mentioned situation occurred. Mr. Gregson informed the QA Inspector that he wasn't aware that OIW had marked the above mentioned parts with the above mentioned slab numbers.

Summary of Conversations:

Within the body of the report.

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.

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