

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 #: 70.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-002290**Date Inspected:** 22-Jan-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 830**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1930**Contractor:** Japan Steel Works**Location:** Muroran, Japan**CWI Name:** Chung Kuan**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:** PQR test plate**Summary of Items Observed:**

Caltrans SMR Mr. Ron Brasel and Quality Assurance Inspector (QAI) Mr. Wai Pau traveled to Nikko Inspection Service (NIS) office, to review radiographic testing (RT) film result of AWS standard demonstration PQR welding test #SJ-2942-WP-2. This demonstration test plate is JSW experiential a welding method to prevent porosities during welding. Five spots of tiny porosity have size 0.5mm to 1mm showed on the RT films, it is considered accepted by AWS D 1.5 standard. After the RT film reviewing completion, a meet was conducted with JSW Mr. Hiroshi Iga, Mr. Teruo Shibuya, and Mr. Kazunori Sato. The meeting regards the PQR #SJ-2942-WP-2 welding test will be re-scheduled on 1-24-08 and the short-arc-strike length welding method will be apply for PQR #SJ-2942-WP-2 welding test. The AWS D1.5 standard welder qualification tests will be postponed until further notice.

Summary of Conversations:

As Note within the report above.

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 Venkatesh Iyer (858)697-6363, who represents the Office of Structural Materials for your project.

Inspected By: Pau, Wai

Quality Assurance Inspector

Reviewed By: Brasel, Ron

QA Reviewer