

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-002388**Date Inspected:** 11-Apr-2008**Project Name:** SAS Superstructure**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Contractor:** Japan Steel Works**OSM Arrival Time:** 830**OSM Departure Time:** 1930**Location:** Muroran, Japan**CWI Name:****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:** Demonstration chemical analysis**Summary of Items Observed:**

Demonstration chemical analysis: Caltrans Quality Assurance Inspector (QAI) representative Mr. Danny Reyes and Mr. Wai Pau observe JSW demonstrate a non-destructive chemical analysis on the unidentified ASTM 709M-HPS-485WT material plate with x-ray fluorescence (XRF) instrument. XRF is a non-destructive analytical technique as a method of measuring the atomic composition of a material by irradiating a sample with high energy photons such as x-rays or gamma rays and observing the resulting x-ray fluorescence emitted by the sample. The XRF instrument used on demonstration by JSW is Innov-X system model 2000AS, SN# 5687 made by Innovative XRF Techniques Japan. However, this XRF instrument only detect five chemical elements Cr, Ni, Fe, Ni and Cu compare MTR certificate from Nippon Steel Corporation with fifteen chemical elements. Caltrans QAI ask JSW Mr. Sato Kazunori does JSW has other XRF instrument can detect more elements. Mr. Sato Kazunori respond that JSW have two same type XRF instrument. After XRF chemical analysis demonstration completion, a meeting present by JSW Mr. Sato Kazunori and Mr. Iga Hiroshi with Caltrans SMR Ron Brasel, QAI Mr. Danny Reyes and Mr. Wai Pau. The purpose of the meeting is discuss how to identify the unidentified ASTM 709M-HPS-485WT material plates which have been cut. The details of the meeting check with SMR Mr. Ron Basel daily report.

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

WELDING INSPECTION REPORT

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for your project.

Inspected By:	Pau, Wai	Quality Assurance Inspector
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Reviewed By:	Brasel, Ron	QA Reviewer
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