

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013638**Date Inspected:** 17-Apr-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** See Below**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:** OBG**Summary of Items Observed:**

CWI Inspector: NA

On this date CALTRANS OSM Quality Assurance (QA) Inspector, Mr. Paul Dawson, arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China, for the purpose of monitoring welding and fabrication of the San Francisco / Oakland Bay Bridge (SFOBB) components. This QA Inspector observed the following:

OBG Segment Assembly

Earlier in the day ZPMC presented QA personnel with "Notification of Witness Inspection" document #005536 that states ZPMC will complete magnetic particle inspections of various weld in OBG segments 7AE, 7BE, 7CE and this document states the purpose of this inspection is: "Tagging in Process". ZPMC inspection personnel appear to have inspected and marked that they had inspected these welds. This QA Inspector performed random magnetic particle (MT) inspections on the following welds as listed below:

Item 4 welds: SEG036E-57, SEG036E-59

Item 5 welds: SEG036D-05, SEG036D-06, SEG036E-12, SEG036E-14

Item 6 welds: CA040-59, CA040-62, CA040-48, CA040-52

Item 7 welds: CA039-73, CA039-76, CA039-83

Item 8 welds: CA036-59, CA036-62, CA036-48, CA036-45

Item 9 welds: CA034-48, CA034-49, CA034-50, CA034-57

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

These welds appear to comply with AWS D1.5 MT requirements. For additional information on these inspections see this QA Inspector's TL6028 Magnetic Particle Test Report.

Summary of Conversations:

See 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 Eric Tsang phone: 150-0042-2372 , who represents the Office of Structural Materials for your project.

Inspected By:	Dawson,Paul	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
