

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 #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-010512**Date Inspected:** 26-Nov-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**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:** Trial Assembly**Summary of Items Observed:**

On this day Caltrans OSM Quality Assurance (QA) Inspector Christopher D'souza was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China. QA Inspector observed and/or found the following:

ABF Inspection Request No. 11252009-3R1

This QA Inspector witnessed ABF Inspectors performing Magnetic particle Testing (MT) of SEG013-043, 047; CA005 – 002, 004, 006
 (3AW – 3BW Longitudinal splice DP-EP)

This QA Inspector performed MT in conjunction with ABF MT department MT performed on repair areas of SEG013-043, 047; CA005 – 002, 004, 006

This QA Inspector witnessed ABF Inspectors performing Magnetic particle Testing (MT) of OBW3A-001, 002
 (3AW – 3BW Transverse splice SP-CW side)

This QA Inspector performed MT in conjunction with ABF MT department MT performed on repair areas of OBW3A-001, 002

ABF Inspection Request No. 11262009-1

WELDING INSPECTION REPORT

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This QA Inspector witnessed ABF Inspectors performing UT of OBE3-002, 003 and 004 (3AE – 3BE transverse splice DP)

This QA Inspector performed conventional UT (Ultrasonic Testing) in conjunction with ABF UT department for detection of planar transverse indication.

UT performed on repair areas of OBE3-002, 003 and 004 utilizing scanning pattern A, B, C and D (Fig 6.7)

This QA Inspector witnessed ABF Inspectors performing UT of OBE4A-001 and 002 (4AE – 4BE transverse splice SP CB side)

This QA Inspector performed conventional UT (Ultrasonic Testing) in conjunction with ABF UT department for detection of planar transverse indication.

UT performed on repair areas of UT of OBE4A-001 and 002 utilizing scanning pattern A, B, C and D (Fig 6.7)

This QA Inspector witnessed ABF Inspectors performing UT of SEG016A-008 (3EW BP-SP BP side)

This QA Inspector performed conventional UT (Ultrasonic Testing) in conjunction with ABF UT department for detection of planar transverse indication.

UT performed on repair areas of UT of SEG016A-008 utilizing scanning pattern A, B, C and D (Fig 6.7)

Summary of Conversations:

No relevant conversations.

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 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Dsouza,Christopher	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
