

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-017035**Date Inspected:** 31-Aug-2010**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:** Chen Shi Gang**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:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Umesh Gaikwad was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

BAY # 04, OBG Deck Panel (NWIT # 06548)

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector has generated MT report for this date. The member(s) are identified as OBG components. The weld designations reviewed are as follows:

DP3144(PL3340A)-001-001~008 GREEN TAG NO. 14581
DP3044(PL3340A)-001-229~236 GREEN TAG NO. 14582
DP3044(PL3340B)-001-237~244 GREEN TAG NO. 14583
DP3150(PL3346A)-001-001~006 GREEN TAG NO. 14584
DP3150(PL3346B)-001-138~141, 173, 174 GREEN TAG NO. 14585
DP3150(PL3346C)-001-176~181 GREEN TAG NO. 14586
DP3152(PL3348A)-001-001~006 GREEN TAG NO. 14587
DP3152(PL3348B)-001-138~141, 173, 174 GREEN TAG NO. 14588
DP3152(PL3348C)-001-176~181 GREEN TAG NO. 14589

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OBG Bay 09, Deck Panel 14E-DP3157(PL3432A/B)-001

This QA inspector performed conventional Ultrasonic Testing (UT) Inspection on deck panel tack weld areas. The inspection is preliminary prior to using the phased array (PAUT) testing system to verify indications found with conventional Ultrasonic testing. QA inspector performed UT on deck panel 14E-DP3157(PL3432A/B)-001, 6 ribs, 12 welds, 186 total tack welds inspected.

Weld 001 scanned 23 locations with 0 indications.

Weld 002 scanned 23 locations with 0 indications.

Weld 003 scanned 23 locations with 0 indications.

Weld 004 scanned 23 locations with 1 indication.

Weld 005 scanned 23 locations with 0 indications.

Weld 006 scanned 23 locations with 1 indication.

Weld 007 scanned 08 locations with 0 indications.

Weld 008 scanned 08 locations with 0 indications.

Weld 009 scanned 08 locations with 0 indications.

Weld 010 scanned 08 locations with 1 indication.

Weld 011 scanned 08 locations with 0 indications.

Weld 012 scanned 08 locations with 0 indications.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

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:	Gaikwad,Umesh	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
