

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 #: xx.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020006**Date Inspected:** 01-Dec-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:** Mr. Zhu Zhong Hai.**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 TRIAL ASSEMBLY**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Raghavendra Reddy 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:

This QA Inspector observed the following work in progress:

Lift 11E+12AE

Flux Cored Arc (FCAW) welding of Weld Joint BP082-001-025~036 (11EE+12AE, BK Side), And Welder is identified as 047353,052763; ZPMC Quality Control (QC) is identified as Mr. An Qing Xing. The welding variables appeared to comply with the Applicable WPS-B-T-2132-ESAB.

Flux Cored Arc (FCAW) welding of Weld Joint BP3002-001-043~054 (12AE, BK Side), And Welder is identified as 047353,052763; ZPMC Quality Control (QC) is identified as Mr. An Qing Xing. The welding variables appeared to comply with the Applicable WPS-B-T-2132-ESAB.

Shielded Metal Arc (SMAW) welding of Weld Joint OBE11A-006 (11DE+11EE, EP-SP, CB Side), And Critical Welding Repair Report (CWR) B-CWR2293, Welder is identified as 050289; ZPMC Quality Control (QC) is identified as Mr. Wang Li Yang. The welding variables appeared to comply with the Applicable WPS-345-SMAW-4G(4F)-FCM-Repair.

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Shielded Metal Arc (SMAW) welding of Weld Joint SSD027-PP099-145 (11BE,CB 15), And Welding Repair Report(WR)B-WR18017,Welder is identified as 044515; ZPMC Quality Control (QC) is identified as Mr. Zhu Yuan Yuan. The welding variables appeared to comply with the Applicable WPS-345-SMAW-2G(2F)-FCM-Repair.

LIFT 11W:-

Flux Cored Arc (FCAW) welding of Weld Joint SP507-001-057,058&SP508-001-001,002 (11DW+ 11EW,CB Side),And Welding Repair Report(WR)B-WR16610 Welder is identified as 053486; ZPMC Quality Control (QC) is identified as Mr. Shi Lei. The welding variables appeared to comply with the Applicable WPS-B-T-2132-ESAB.

The following Non Destructive Testing (NDT) Inspection carried out as per the ZPMC submitted Notification No. 07578

Magnetic Particle Testing (MT)

This QA Inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a MT report for this date. The member is identified as OBG welds. The weld designations reviewed are as follows.

1. BP189-001-053, 054 BP190-001-023, 024 BP136-001-013, 014
2. BP135-001-043, 044
3. BP081-001-043, 044, 053, 054
4. BP082-001-013, 014, 023, 024
5. SP704-002-053, 054 SP705-001-013, 014 SP559-002-069, 070
6. SP560-001-013, 014 SP639-002-025, 026 SP640-001-001, 002
7. SP383-001-035, 036 SP384-001-011, 012 SP329-001-029, 030
8. SP330-001-001, 002 SP717-001-025, 026 SP718-001-015, 016
9. SP599-002-049, 050, 059, 060 SP600-001-001, 002, 011, 012
10. SP356-001-025, 026, 035, 036 SP357-001-001, 002, 011, 012
11. DP707-001-015, 016 DP708-001-009, 010 DP720-001-013, 014
12. DP721-001-007, 008 EP160-002-021, 022 EP161-001-005, 006
13. EP173-001-009, 010 EP174-001-005, 006

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the 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

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remedial efforts please contact Eric Tsang (15000422372), who represents the Office of Structural Materials for your project.

Inspected By:	Tharikoppada,Reddy	Quality Assurance Inspector
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Reviewed By:	Miller,Mark	QA Reviewer
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