

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 #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025527**Date Inspected:** 20-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**CWI Name:** Tian Lei**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 date Caltrans OSM Quality Assurance (QA) Inspector R. Hernandez was present during the time noted above and conducted observations relative to the work being performed.

The QA Inspector randomly observed the following work in progress:

Bay Number 1

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. All components were as listed on NWIT notification no.(s) 07850. The member(s) is/are identified as OBG Barrier Rails assembly. The weld designations reviewed are as follows:

1. E2-SB1-032-052.
2. E2-SB1-031-052.
3. E2-SB1-057-052.
4. E2-SB1-020-019.
5. E2-SB1-018-081.
6. E2-SB1-048-052.
7. E2-SB1-043-081.
8. E2-SB1-035-019.
9. E2-SB1-039-081.

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10. E2-SB1-041-081.
11. E2-SB4-006-019.
12. E2-SB1D-051-019.
13. E2-SB1D-050-019.
14. E2-SB1D-038-019.
15. E2-SB1D-031-019.
16. E2-SB1D-048-019.
17. E2-SB1D-028-019.
18. E2-SB3-002-081.
19. E2-SB2-008-081.
20. E2-SB2-011-019.

Bay Number 2

No welding or contract work observed in this bay today.

Bay Number 3

SMAW welding of complete joint penetration welds located on Edge Plate component identified as EP3017-001 for weld no. 048 & 049. Welder is identified as welder no. 037996. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-B-P-2211-TC-U4b.

FCAW welding of complete joint penetration welds located on Architectural Housing component identified as AH3150 for weld no. 002. Welder is identified as welder no. 050977. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-B-T-2231-ESAB.

SMAW welding of complete joint penetration welds located on Side Plate component identified as SP3071-001 for weld no. 181 & 169. Welder is identified as welder no. 058121. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-B-P-2213-TC-U4b.

Bay Number 6

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. All components were as listed on NWIT notification no.(s) 07856. The member(s) is/are identified as OBG Deck Plate assembly. The weld designations reviewed are as follows:

1. DP3168-001-108, 114, 119, 123, & 127.

Unless otherwise noted above all items observed on this day appeared to be in general compliance with the applicable contract documents.

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Summary of 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 1500-0042-02372, who represents the Office of Structural Materials for your project.

Inspected By:	Hernandez,Rene	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer
