

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 #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024833**Date Inspected:** 26-Jun-2011**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) Chanxing Island **Location:** Shanghai, China**CWI Name:** Mr. Shi 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 Segment**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance Inspector (QA), Vibin Kumar Selvanayaham, was present during the times noted above for observations relative to the work being performed.

Magnetic Particle Testing (MT)

This QA inspector witnessed and performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Segment 14W.

The weld designations reviewed/witnessed are as follows:

1. SEG3020D – 057, 061, 062, 063, 064, 065, 066, 067, 068, 072
2. SEG3020D – 102, 120, 138, 191, 192, 197, 204, 209, 210
3. SEG3020D – 216, 220, 224, 233, 237, 241, 242, 245, 246
4. SEG3020D – 248, 249, 252, 254, 255, 257, 258, 261
5. SEG3020D – 263, 265, 268, 270, 274, 275, 282, 287
6. SEG3020D – 292, 298, 299, 251, 295
7. SEG3020D – 011, 036, 037, 055, 056, 058, 059, 060
8. SEG3020D – 003, 307, 312, 314, 316, 309, 317, 005
9. SEG3020D – 007, 323, 010, 318, 018, 022, 025, 042
10. SEG3020D – 048, 049, 033, 052

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

11. SEG3020T – 176, 177
12. SEG3020AH – 009, 010, 011, 012, 013, 014, 015, 016
13. SEG3020AH – 017, 018, 019, 020, 021, 021, 022, 023
14. SEG3020AH – 024, 025, 026, 027, 028, 029, 030, 031, 032, 033

Ultrasonic Testing (UT) – NWIT Document No: 009591

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. The members are identified as OBG Segment 14W. The weld designations reviewed are as follows:

1. SEG3013AH-069,064,063,058
2. SEG3020AY- 219,220,224,225,229,230,234,235,239,240
3. SEG3020AY- 244,245,249,250,254,255,259,260,264,265

Ultrasonic Testing (UT) – NWIT Document No: 009592

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. The members are identified as OBG Segment 14W. The weld designations reviewed are as follows:

1. SEG3020AT - 058, 061

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 remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Kumar,Vibin	Quality Assurance Inspector
Reviewed By:	Patel,Hiranch	QA Reviewer
