

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-024293**Date Inspected:** 01-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), Changxing Island **Location:** Shanghai**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:** 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:

Trial Assembly Segments 13AE to 13CE

This QA inspector observed the ZPMC personnel installing connection plates at deck panel to deck panel U-ribs at PP123 to PP124.5. No high strength bolts installed, only alignment pins and erection bolts. Also observed installation of bottom panels to panels stiffeners at PP121 to PP121.5. Side plate connection plates installed at PP123 to PP123.5.

This QA inspector observed ZPMC personnel performing dry film thickness readings, sanding, and painting of drilled holes at CB19W for all faying surface areas connecting FL3 to future bottom plate to be installed.

Trial Assembly 13AE~13CE, 14AE~14BE, 13AW~13CW, & 14AW~14BW

This QA inspector observed ZPMC personnel drilling into top deck panels at north and south sides of westbound and eastbound segments to accommodate future barrier railing bolting base plates. 14W @ PP122 to PP125 at west side, 13E through 14E @ PP117 to PP121 at west side, 13E through 14E @ PP120 to PP123 at east side.

WELDING INSPECTION REPORT

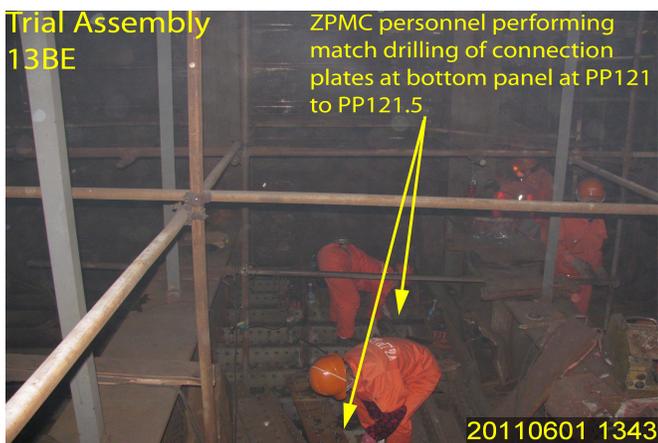
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Trial Assembly 13AW~13BW BP I-RIB HOLD BACK AREA (W3 TO W4)

This QA inspector performed 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. All components were as listed on NWIT notification no. 09328. The member(s) is/are identified as OBG Segments and Bottom Plate components identified below with the following identifying weld no.(s):

1. SEG3013B-019, 020, 025, 026, 031, 032, 037, 038, 187, 188, 194, 195.
2. BP3060-013~024.

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



Summary of Conversations:

Pertinent conversations are included in the body of the report.

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.

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