

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 #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-016181**Date Inspected:** 11-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:** Xu tao / Wang jie**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 Components**Summary of Items Observed:**

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

BAY#14

SAW welding of weld joint 1G-005 located on PCMK SEG3014 for Segment 13BW the welder is identified as 045270. ZPMC QC is identified as Mr. Guo xing hui. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2221-B-L2c-S-2.

SAW welding of weld joint 1G-002 located on PCMK SEG3009M for Segment 13BE the welder is identified as 058100. ZPMC QC is identified as Mr. Guo xing hui. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2221-B-L2c-S-2.

FCAW welding of weld joint 2G-004 located on PCMK TR1B-PP83 the welder is identified as 045175. ZPMC QC is identified as Mr. Wang xian pin. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2232-Tc-U4c-F.

This QA inspector performed MT of critical weld repair base metal areas 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 13AE bottom panel. The area reviewed as follows.

BP3032-001; 17 locations of 100mm Dia Shear key hole location and 75mm Dia Bearing pad hole location.

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

BAY#19

FCAW welding of weld joint 2G-043 located on PCMK SB017-084 for OBG SB84W the welder is identified as 062806. ZPMC QC is identified as Mr.Xu tao. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2232-Tc-U4b-F.

FCAW welding of weld joint 1G-005 located on PCMK SB017-080 for OBG SB80E the welder is identified as 062752. ZPMC QC is identified as Mr.Xu tao. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2231-Tc-U4b-F.

FCAW welding of weld joint 2F-032 located on PCMK SB017-084 for OBG SB84W the welder is identified as 062752. ZPMC QC is identified as Mr.Xu tao. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2132.

ZPMC Quality control NDT personnel performing their Magnetic particle testing of Bike path Is identified as BK004A-012.

BAY#16

This QA inspector performed MT of critical weld repair base metal areas 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 13AW bottom panel. The area reviewed as follows.

BP3074-001; 10 locations of 100mm Dia Shear key hole location and 75mm Dia Bearing pad hole location.

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



WELDING INSPECTION REPORT

(Continued Page 3 of 3)



Summary of Conversations:

No relevant Conversation.

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-15--0042-2372, who represents the Office of Structural Materials for your project.

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| Inspected By: | Kumar, Chadra | Quality Assurance Inspector |
| Reviewed By: | McClendon, Timothy | QA Reviewer |
