

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-008464**Date Inspected:** 14-Aug-2009**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:** Lv Li Qing / Shen Fu You**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 Assembly**Summary of Items Observed:**

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

This QA Inspector randomly observed the following work in progress:

OBG Bay No. 14

The QA inspector observed ZPMC Arc Gouging approximately 17 areas on 10BW BP 047 to BP 157 weld number 006 in order to remove repairs found by ZPMC UT. See photograph 040120F4_B2332_08-14-09 for additional information.

The QA inspector observed in assembly 9BW SEG051A weld number 004 which is Bottom Panel (BP) BP44A welded to BP152A there was approximately 29 weld repairs completed by ZPMC. See photograph 040120F4_B2332_08-14-09_2 for additional information (not all 29 repairs could be shown in the Photograph)

The QA inspector observed in assembly 9BW SEG 051A which is BP98A welded to BP44A there was approximately 33 weld repairs completed by ZPMC.

The QA inspector observed two repair areas on 9AE SSD17 PP75 Weld Number 013. The two areas are gouged for repair. See photograph 040120F4_B2332_08-14-09_3 for additional information.

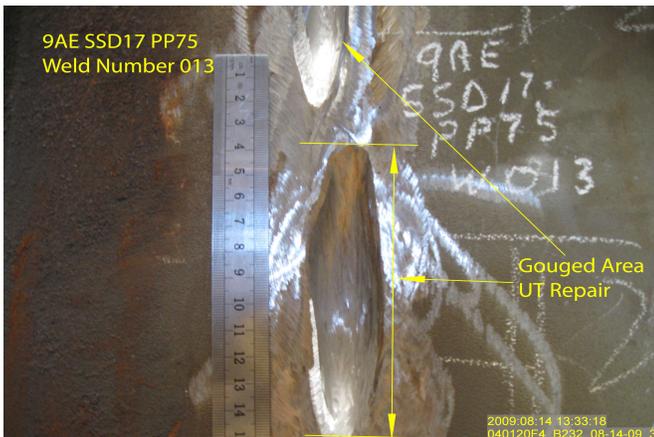
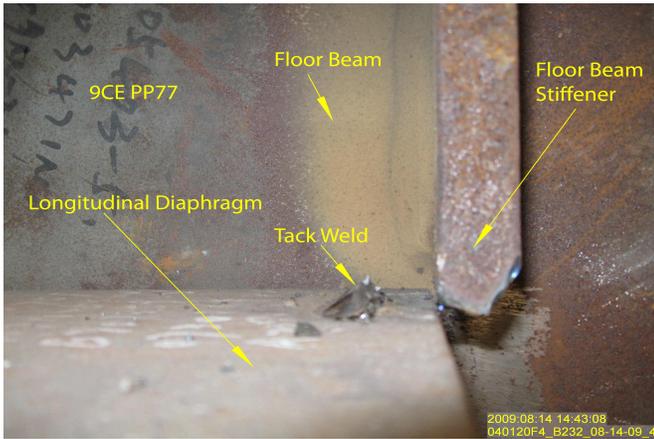
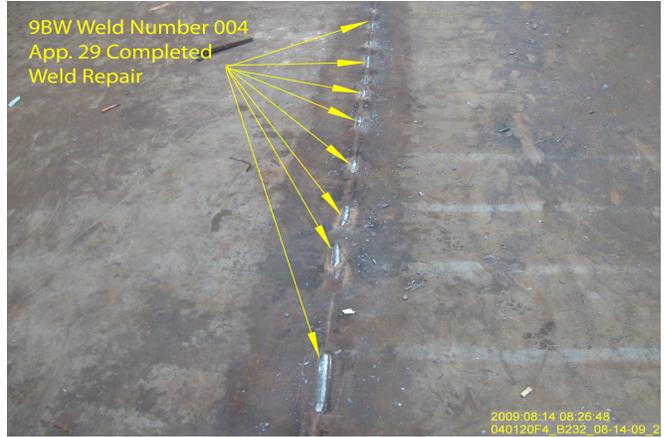
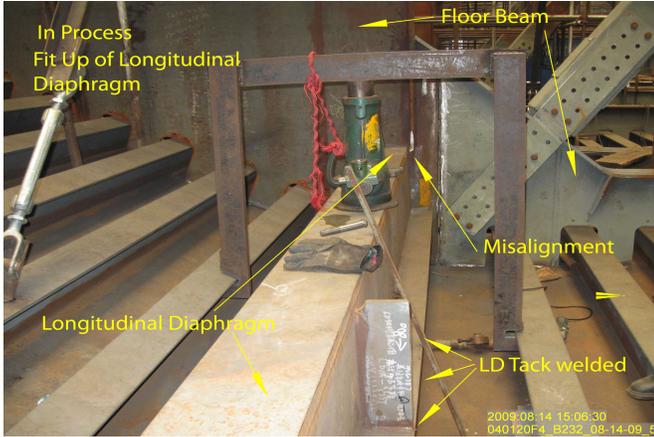
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The QA inspector observed Longitudinal Diaphragm tack cracked on 9CE PP77. See photograph 040120F4_B2332_08-14-09_4

The QA inspector observed fit up being performed on Longitudinal Diaphragm. See photograph 040120F4_B2332_08-14-09_5

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



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Summary of Conversations:

No relevant conversations spoken on this date.

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 (15000422372), who represents the Office of Structural Materials for your project.

Inspected By:	McClendon, Timothy	Quality Assurance Inspector
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Reviewed By:	Patterson, Rodney	QA Reviewer
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