

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-012189**Date Inspected:** 25-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	NA	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 Larry Viars was present during the times noted above for observations relative to the work being performed.

North of Bay 14-

This Caltrans QA Inspector performed Magnetic Particle Testing (MT) verification of critical weld repairs previously tested and accepted by ZPMC for OBG Segment 7EW. For additional information see the TL-6028 MT report generated this date. The following weld was tested: SSD13-PP59-005.

During Visual Inspection 2 (two) Longitudinal Linear Indications (LLI) were found on OBG Segment 7EW Floor Beam FB15A web to flange weld, FB015-019-001 at "Y" Location 4440mm (LLI-25mm) and 4910 (LLI-30mm). These indications were confirmed with MT by Caltrans QA. An incident report was issue for the above mentioned indications. For further detail see the attached photos below.

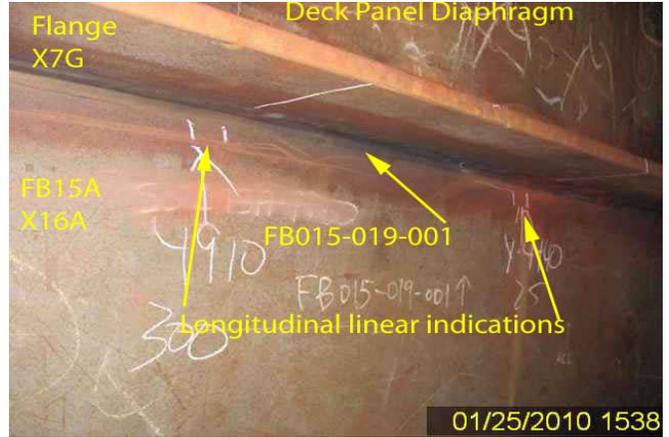
Blast Bay 1-

Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG segment 8CW side panels, bottom panels, longitudinal diaphragms and lower floor beams internal surfaces after grit blasting. Areas that marked for repair were recorded for future repair. Areas requiring additional grinding were marked by QA and repaired by ZPMC personnel.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

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



Summary of Conversations:

As identified within the contents of this 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, 150 0042 2372, who represents the Office of Structural Materials for your project.

Inspected By: Viars, Larry Quality Assurance Inspector

Reviewed By: McClendon, Timothy QA Reviewer