

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-026029**Date Inspected:** 16-Jul-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, China

CWI Name:	N/A	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 Trial Assembly	

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector Mr. S. Manjunath Math 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:

Orthotropic Box Girder (OBG) at Trial Assembly Areas

Segment 13AW to Segment 13BW (Deck Panel Skin Flatness)

This QA Inspector performed Dimensional Inspection along with ABF QA to check the skin flatness between Segment 13AW to Segment 13BW at the following locations:

The Deck Panel skin flatness was measured between work point W4 (Cross Beam Side) and work point W3 (Counter Weight Side) at every 1000mm.

At the PP 119 (+2000) East side, location T6.

At the PP 119 (+1000) East side, location T7.

At the Transverse Splice, PP 119, location T8.

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At the PP 119 (-1000) West side, location T9.

At the PP 119 (-2000) West side, location T10.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition.

Segment 13BW to Segment 13CW (Deck Panel Skin Flatness)

This QA Inspector performed Dimensional Inspection along with ABF QA to check the skin flatness between Segment 13BW to Segment 13CW at the following locations:

The Deck Panel skin flatness was measured between work point W4 (Cross Beam Side) and work point W3 (Counter Weight Side) at every 1000mm.

At the PP 122 (+2000) East side, location T1.

At the PP 122 (+1000) East side, location T2.

At the Transverse Splice, PP 122, location T3.

At the PP 122 (-1000) West side, location T4.

At the PP 122 (-2000) West side, location T5.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition.

Lift 14 East

This QA Inspector performed bolt assembly inspection installed by ZPMC personals, bolts are connecting the splice plate of Anchoring plate to full Height Longitudinal Diaphragm and the inspection was performed to evaluate the bolt damage that had incurred during the lifting of the OBG Structure to place it on the ZPMC Ship # 19.

During the course of lifting the Lift 14 East on July 15, 2011, the ZPMC Derrick Barge 2200 Ton pulley got struck, thus inspection was performed for accessing whether any damage had incurred to the fasteners assemblies.

Please reference the attached pictures for more comprehensive details.

Paint Shop # 1

This QA Inspector performed the gap inspection between the angle pieces installed at center of the Traveler Rail at Paint Shop # 1 and observed the gap appeared to be in general compliance. The Inspection was performed against

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Notification No. 00590.

The following Traveler Rails were inspected.

3001TR2- PP122

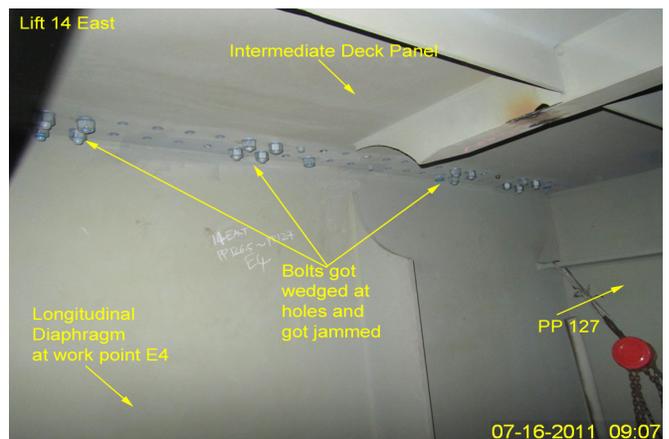
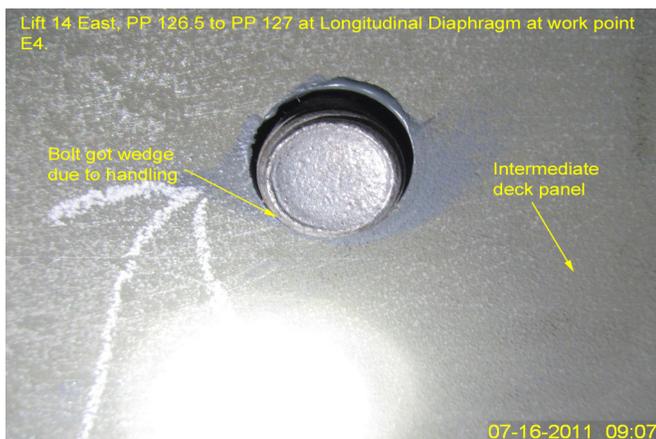
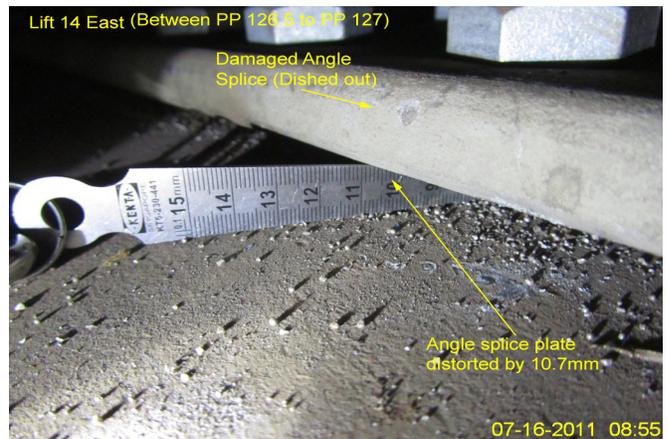
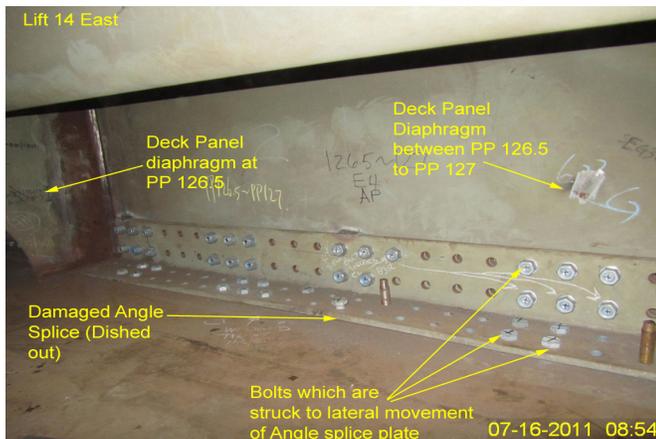
3007TR1- PP120/121/122

3007TR2- PP122

3001TR1- PP122

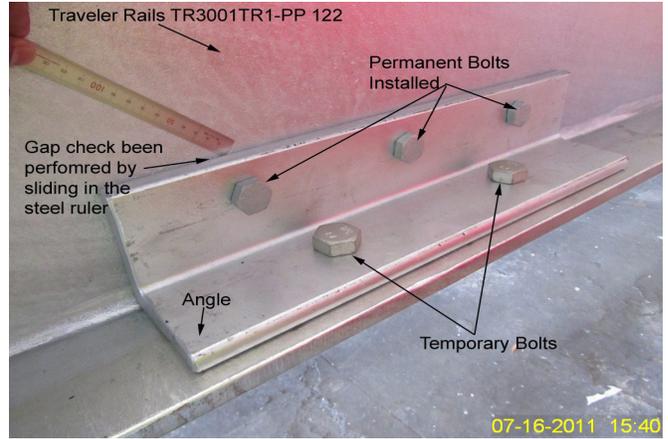
Please reference the attached pictures for more comprehensive details.

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 were reported 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: Math,Manjunath

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer