

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-023393**Date Inspected:** 07-May-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

Incident Report generated at Segment 12CW (Bottom Panel Distorted)

This Quality Assurance (QA) Inspector wrote an Incident Report for Bottom Panel distortion, distortion was observed between work point W3 towards W13 and work point W4 and work point W14 for Segment 12CW at PP 117.

Please reference the Incident Report # 04-0120F4_TL-15_B278_05-07-2011_12CW_Bottom Panel _Distorted dated May 07, 2011 for further detail.

Please reference the pictures attached for more comprehensive details.

Segment 13AW to Segment 13BW (U-Rib to U-Rib)

This QA Inspector performed Dimension Control Inspection for measuring offset on the U-Rib to U-Rib from

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Cross Beam side towards Bike Path side at a total of 37 locations on Segment 13AW to Segment 13BW between Panel Points (PP) 120 to PP 120.5 at the following locations on the request of ZPMC QC:

The offset was measured within 50mm from the Deck Panel on U-Rib on the South and North side. The QA Inspector measured the Offset using 1(One) Meter Straight Edge.

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.

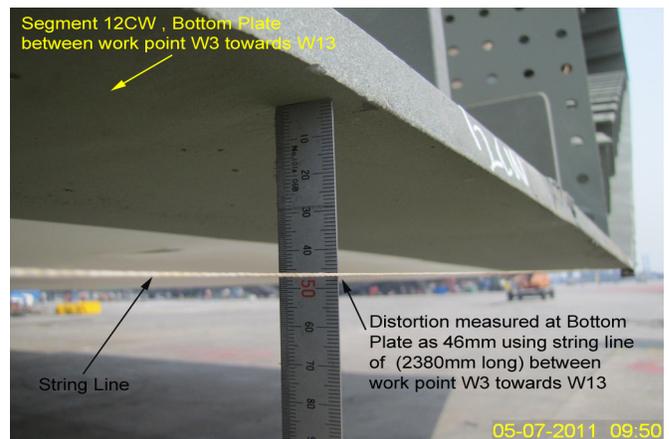
Segment 13AE to Segment 13BE (U-Rib to U-Rib)

This QA Inspector performed Dimension Control Inspection for measuring offset on the U-Rib to U-Rib from Cross Beam side towards Bike Path side at a total of 37 locations on Segment 13AW to Segment 13BW between Panel Points (PP) 120 to PP 120.5 at the following locations on the request of ZPMC QC:

The offset was measured within 50mm from the Deck Panel on U-Rib on the South and North side. The QA Inspector measured the Offset using 1(One) Meter Straight Edge.

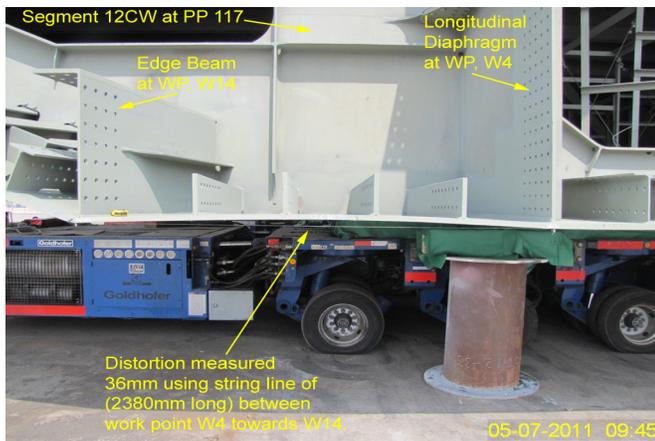
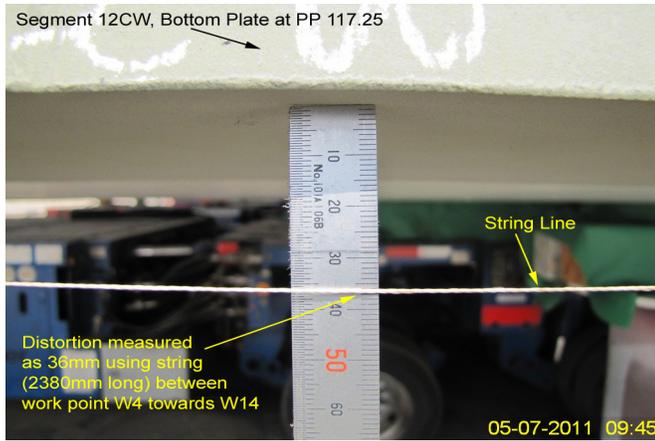
The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition.

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