

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-014378**Date Inspected:** 12-May-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:****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, 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) Trial Assembly Areas

Cope Hole Dimension Inspection

This QA Inspector performed dimension Inspection along with Caltrans QA Mr. Manikandan for the Cope Holes at Bottom Panel to Floor Beam and Side Panel to Floor Beam for the following locations.

ABF Report CWAHIR-9CE-01 Dated April 05, 2010 at Panel Point (PP) 77, PP 78 and PP 79 work point E4 and E3.

ABF Report CWAHIR-9BE-01 Dated April 22, 2010 at Panel Point (PP) 74, PP 75 and PP 76 work point E4 and E3.

ABF Report CWAHIR-9CW-01 Dated January 22, 2010 at Panel Point (PP) 77, PP 78 and PP 79 work point W4 and W3.

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The measured and recorded readings were submitted to the Lead and Engineer for review.

Segment 10AW

This QA Inspector performed Green Tag DCP along with Mr. Manikandan for the following Segment 10AW from Panel Point (PP) 85.25 to PP 88.25.

Flatness measurement for Floor Beam at PP 86, PP 87 and PP 88 Cross Beam and Counter Weight Side.

Flatness measurement for Deck Panel to Corner Assembly from PP 85.25 to PP 88.25 Cross Beam and Counter Weight Side.

Flatness measurement for Side Panel to Corner Assembly from PP 85.25 to PP 88.25 Cross Beam and Counter Weight Side.

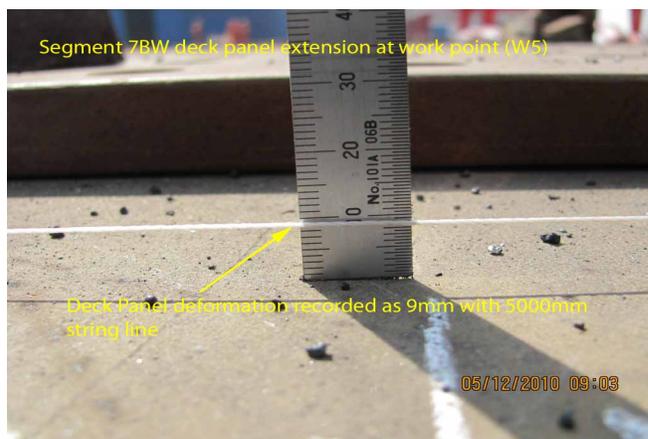
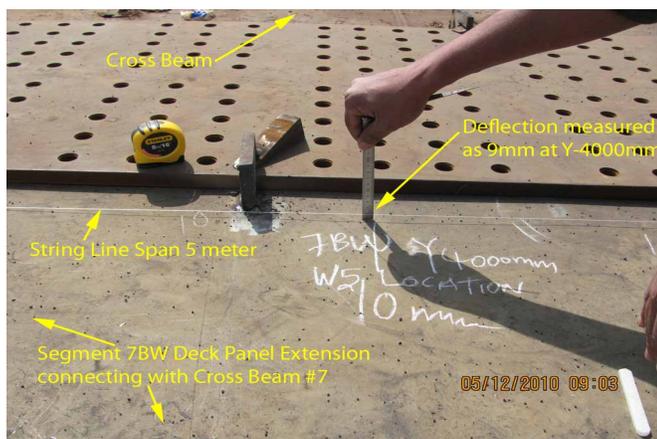
Plumbness and Flatness measurement for Deck Panel to Deck Panel Diaphragm at PP 86, PP 87 and PP 88 from East and West Side.

The measured and recorded readings were submitted to the Lead and Engineer for review.

Segment 7BW

This Quality Assurance (QA) performed dimension Inspection for flatness of Deck Panel Extension of Segment 7BW between PP 50 and PP 51 with 5000mm string line span and observed 10mm deflection at Y=1965mm (datum line reference taken from PP 50). The recorded readings were submitted to the Lead and Engineer for review. Please refer the attached pictures below for more comprehensive details.

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



Summary of Conversations:

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No relevant conversations.

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 T Sang 1500-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Math,Manjunath	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
