

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-014837**Date Inspected:** 06-Jun-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

Segment 8CE to 9AE (Skin Flatness) Joint Survey

This QA Inspector performed Joint Inspection along with Caltrans QA Mr. Manoj Prabhune and with ABF Survey Team for the Skin Flatness between Segment 8CE to 9AE (Shop Segment Splice) between Panel Point (PP) 71 and PP 72 North.

South (Bike Path side at B1 and B2 locations) and North (Cross Beam side at B3 and B4 Locations) at weld connecting Bottom Panel to Side Panel with 5000mm String line for overall deformation and 600mm and 630 mm Straight Edge for localized deformation and

South (Bike Path side at T1 location) and North (Cross Beam side T2 Location) at weld connecting Deck Panel to Edge Panel with 5000mm String line for overall deformation and 600mm and 630 mm Straight Edge for localized deformation.

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The measured readings were recorded on spread sheet, generated the report and submitted to the Task Leader and Engineer for review.

Segment 9AE to 9BE (Skin Flatness) Joint Survey

This QA Inspector performed Joint Inspection along with Caltrans QA Mr. Manoj Prabhune and with ABF Survey Team for the Skin Flatness between Segment 9AE to 9BE (Shop Segment Splice) between Panel Point (PP) 73 and PP 74 North.

South (Bike Path side at B1 and B2 locations) and North (Cross Beam side at B3 and B4 Locations) at weld connecting Bottom Panel to Side Panel with 5000mm String line for overall deformation and 600mm and 630 mm Straight Edge for localized deformation and

South (Bike Path side at T1 location) and North (Cross Beam side T2 Location) at weld connecting Deck Panel to Edge Panel with 5000mm String line for overall deformation and 600mm and 630 mm Straight Edge for localized deformation.

The measured readings were recorded on spread sheet, generated the report and submitted to the Task Leader and Engineer for review.

Segment 8AW to 8BW

This QA Inspector performed Dimension Control Inspection along with Caltrans QA Inspector Mr. Manoj Prabhune for the Transverse Splice T-Ribs for the Segment 8AW to 8BW between Panel Point (PP) 64 to PP 65 from Work Point W6 to Work Point W4 (Side Panel Cross Beam Side) and from Work Point W4 to Work Point W3 (Bottom Panel) and from Work Point W3 to Work Point W1(Side Panel Counter Weight Side).

Segment 8BW to 8CW

This QA Inspector performed Dimension Control Inspection along with Caltrans QA Inspector Mr. Manoj Prabhune for the Transverse Splice T-Ribs for the Segment 8BW to 8CW between Panel Point (PP) 67 to PP 68 from Work Point W6 to Work Point W4 (Side Panel Cross Beam Side) and from Work Point W4 to Work Point W3 (Bottom Panel) and from Work Point W3 to Work Point W1(Side Panel Counter Weight Side).

Segment 8CE to 9AE

This QA Inspector performed Dimension Control Inspection along with Caltrans QA Inspector Mr. Manoj Prabhune for the Transverse Splice T-Ribs for the Segment 8CE to 9AE between Panel Point (PP) 71 to PP 72 from Work Point E1 to Work Point E3 (Side Panel Bike Path Side) and from Work Point E3 to Work Point E4 (Bottom Panel) and from Work Point E4 to Work Point E6(Side Panel Cross Beam Side).

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.

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
