

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-015071**Date Inspected:** 15-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

Cross Beam (CB) # 9

This QA Inspector along with Caltrans QA Mr. Manoj Prabhune performed Joint Inspection for the Cross Beam # 9 for the Gap and Stiffener Offset at the following locations.

East Bound Vertical Position at PP 62

West Bound Vertical Position at PP 62

East Bound Vertical Position at PP 63

West Bound Vertical Position at PP 63

East Bound Vertical Position at PP 64

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West Bound Vertical Position at PP 64

East Bound Bottom Panel at PP 62 to PP 63

West Bound Bottom Panel at PP 62 to PP 63

East Bound Bottom Panel at PP 63 to PP 64

West Bound Bottom Panel at PP 63 to PP 64

East Bound Deck Panel at PP 62 to PP 63

West Bound Deck Panel at PP 62 to PP 63

East Bound Deck Panel at PP 63 to PP 64

West Bound Deck Panel at PP 63 to PP 64

The measured readings was recorded on Dimension Control Form and was submitted to the Lead and Engineer for review.

Segment 7AW to 7BW (Skin Flatness) Joint Survey

This QA Inspector performed Joint Inspection with ABF Survey Team for the Skin Flatness between Segment 7AW to 7BW (Shop Segment Splice) between Panel Point (PP) 49 and PP 50.

Cross Beam side at B3 and B4 Locations at weld connecting Bottom Panel to Side Panel with 5000mm String line for overall deformation.

The measured readings was recorded on Dimension Control Form and was submitted to the Lead and Engineer for review.

Segment 8BW (Cope Hole)

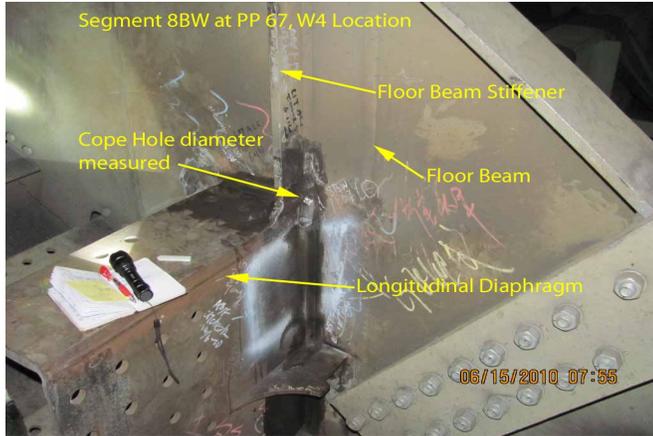
This Quality Assurance (QA) Inspector measured and recorded the Cope Hole diameter and smoothness for the Floor Beam Stiffener to the Longitudinal Diaphragm (LD) Flange at PP 67 East side at Cross Beam side at Work Point (W4).

The measured readings was recorded on Dimension Control Form and was submitted to the Lead and Engineer for review. Please refer the picture attached below 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.

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
