

**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-015412**Date Inspected:** 25-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

Incident Report for Segment 11AE

This Quality Assurance (QA) Inspector wrote an Incident Report for mismatch holes at the T-Rib Clips to the Floor Beam from E1 to E3 (Side Panel Bike Path Side) from E3 towards E4 (Bottom Panel) and E4 towards E6 (Side Panel Cross Beam Side) for Segment 11AE at Panel Point (PP) 95, PP 96 and PP 97 more comprehensive details please refer the Incident Report 04-0120F4\_TL-15\_B278\_06-25-09\_Mis-Match Bolt\_Holes\_T-Rib Clips\_FB\_11AE at PP\_95\_96\_97 Dated June 25, 2010. Please refer the attached pictures for more comprehensive details.

Incident Report for Segment 8AE, 8CE, 8AW and 8CW

This Quality Assurance (QA) Inspector wrote an Incident Report for Out of Flatness for FL3 at Panel 63 for Segment 8AE and 8AW and at Panel Point 70 for 8CE and 8CW for more comprehensive details please refer the Incident Report 04-0120F4\_TL-15\_B278\_06-25-10\_8AE\_8CE\_8AW\_8CW\_Out\_of\_Flatness\_FB\_FL3\_at\_PP\_63

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Dated June 25, 2010. Please refer the attached pictures for more comprehensive details.

## Segment 8AW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 61, PP 62, PP 63 and PP 64 for Segment 8AW the Inspection was performed against the ABF Inspection Report No. CWAHIR-8AW-01 Dated December 18, 2009. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

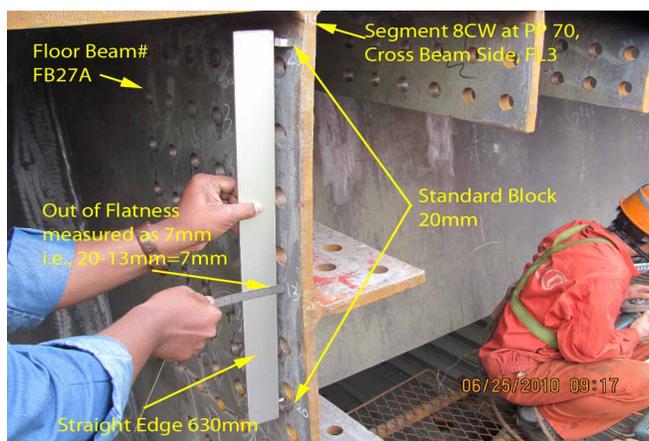
## Segment 8BW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 65, PP 66 and PP 67 for Segment 8BW the Inspection was performed against the ABF Inspection Report No. CWAHIR-8BW-01 Dated December 22, 2009. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

## Segment 8CW (Cope Holes)

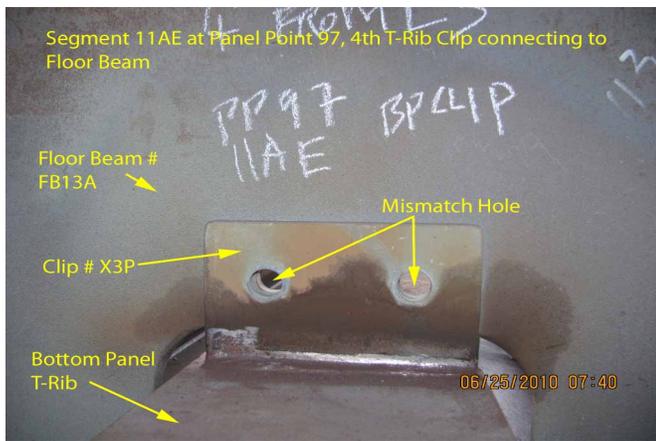
This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 68, PP 69, PP 70 and PP 71 for Segment 8CW the Inspection was performed against the ABF Inspection Report No. CWAHIR-8CW-01 Dated December 30, 2009. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

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