

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-013123**Date Inspected:** 12-Apr-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 7BE to 7CE

This QA Inspector performed Inspection with Caltrans QA Mr. Manoj for the Segment 7BE to 7CE between PP 52 and PP 53 for the T-Ribs to T-Ribs at Side Panel Bike Path Side (from E1 to E3 Location), Bottom Panel (from E3 to E4) and Side Panel Cross Beam Side (from E4 to E6). The measured readings were recorded and submitted to Lead and Engineer for review and further action.

Segment 7DE to 7EE

This QA Inspector performed Inspection with Caltrans QA Mr. Manoj for the Segment 7DE to 7EE between PP 58 and PP 59 for the Root Gap and Offset and the following locations.

Deck Panel from E5 towards E2 (Approximately 40% of the length fit-up was in progress thus offset and root gap not recorded)

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Edge Panel from E2 towards E1

Side Panel Bike Path Side from E1 towards E3

Bottom Panel from E3 towards E4

Side Panel Cross Beam Side from E4 towards E6 (at meeting point of Side Panel to Bottom Panel at E4 location fit-up for 500mm thus offset and root gap not recorded)

Edge Panel from E6 towards E5

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

Segment 8AE

This QA Inspector performed Inspection with Caltrans QA Mr. Manoj for the Segment 8AE at following mentioned Panel Points (PP) for the T-Ribs to T-Ribs at Side Panel Side Panel Cross Beam Side (from E4 to E6) at FL3 location.

PP 62 to PP 62.5

Recorded Vertical Offset (a and b point reading), Horizontal Offset (a and b point reading) and FL3 T-Ribs cope hole buckling below the Floor Beam.

PP 63 to PP 63.5

Recorded Horizontal Offset (a and b point reading) and FL3 T-Ribs cope hole buckling below the Floor Beam.

Note: Vertical Offset (a and b point reading) not recorded as ZPMC had installed the splice plates with one bolts on either side and

PP 63.5 to PP 64

Recorded Horizontal Offset (a and b point reading) and FL3 T-Ribs cope hole buckling below the Floor Beam.

Note: Vertical Offset (a and b point reading) not recorded as ZPMC had installed the splice plates with one bolts on either side.

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

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: Miller,Mark

QA Reviewer