

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-013133**Date Inspected:** 30-Mar-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

Traveler Rail Dimension

The QA inspector measured and recorded the various Lengths for Traveler Rail with identification number as mentioned below. Measurements were taken at the Fixed Support and Sliding Support. Report forwarded to Team Leader and Engineer for further action.

10TR1-020-001~14

10TR3-017-001~14

10TR1-024-001~14

10TR3-035-001~14

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11TR5-008-001~14

11TR1-030-001~14

10TR6-002-001~14

11TR1-024-001~14

11TR6-002-001~14

Segment 9BW

The QA inspector measured and recorded the Plumpness and Flatness by using Carpenter Square and 710mm Straight Edge. Report forwarded to Team Leader and Engineer for further action.

Segment 9BW

The QA inspector measured and recorded the Flatness for Floor beams at internal side by using 1500mm Straight Edge for Segment 9BW at PP 74, PP 75 and PP 76 Cross Beam and Counter Weight Side. Report forwarded to Team Leader and Engineer for further action.

Segment 9BW

The QA inspector measured and recorded the deformation at Side Panel T-Ribs at FL3 area below the Floor Beam for Segment 9BW at PP 74, PP 75 and PP 76 Cross Beam Side by using 150 mm Steel Ruler and Taper Gauge. Report forwarded to Team Leader and Engineer for further action.

Segment 9BW

The QA inspector measured and recorded the Vertical and Horizontal Offset for Side Panel T-Ribs to T-Ribs at FL3 locations for Segment 9BW at PP 74 to 74.5 Cross Beam Side by using 1000 mm Straight Edge. Report forwarded to Team Leader and Engineer for further action.

Traveler Rail Heat Straightening

The QA inspector observed Heat Straightening been performed for Traveler Rail with identification number as mentioned below.

11TR5-003-001~14

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