

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 #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024044**Date Inspected:** 16-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Shanghai**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**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector R. Hernandez was present during the time noted above and conducted observations relative to the work being performed.

The QA Inspector randomly observed the following work in progress:

Trial Assembly Segments 13AE, 13BE, & 13CE

This inspector assisted CT QA inspector Mr. Manjunath Math with his daily duties. This inspector also conducted review of drawings as related to high strength bolted connections in the segments noted above. See description of work performed below:

This QA Inspector assisted in performance of Dimension Control Inspection on the Bearing Block Assembly (for Anchor Bolt Seat) at OBG Trial Assembly for Segment 13AE at the following locations along with ABF QA Mr. Wang at E4 locations.

Bearing Blocks are installed at PP 119 (-1500mm), Total 2 locations at West side of the Floor Beam.

Bearing Blocks are installed at PP 119 (-1500mm), Total 4 locations at East side of the Floor Beam.

Bearing Blocks are installed at PP 119 to PP 119(-1500mm), Total 4 locations at center of both the panel points.

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Bearing Blocks are installed at PP 119, Total 4 locations at West side of the Floor Beam.

Dimension inspection was performed after passing the anchor rod at between the holes of Bearing Block to Bottom Plate and recorded the various measurements as following.

Bay Number 5

This inspector assisted Manjunath Math with conducting OBG DCP measurement survey on traveler rail component identified as 3009TR1-001. All dimensions were recorded on OBG DCP Measurement Survey: Traveler Rails form, all dimensions are within allowable tolerances, see description of work performed below:

This QA Inspector assisted in performance of Dimension Control Inspection on the Traveler Rails 3009TR1-001 for the following measurements and observed measured dimension in compliance contact document. Inspection was performed against the Inspection Notification # 09144 dated May 16, 2011 at Bay # 5.

Traveler Rails Thickness at typical section.

Traveler Rails Flange width at typical section.

Traveler Rails Depth at typical section.

Traveler Rails Flange curl at typical section.

Traveler Rails Traveler Rail length.

Traveler Rails Sweep.

Unless otherwise noted above all items observed on this day appeared to be in general compliance with the applicable contract documents



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Summary of Conversations:

Pertinent conversations are included in the body of the report.

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 Tsang 1500-0042-02372, who represents the Office of Structural Materials for your project.

Inspected By:	Hernandez,Rene	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer
