

**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 #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003527**Date Inspected:** 08-Jul-2011**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**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:****Bridge No:** 34-0006**Component:** Tower and OBG Components**Bid Item:****Lot No:** B 278**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Mr. S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector observed the following work for Surface Preparation and/or Coating Application work in progress:

Traveler Rail Brackets Inspection Request No. 7394

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Traveler Rail Brackets for Surface Preparation, Dry Film Thickness (DFT) measurements, MEK Test, Pencil Hardness prior to Mist Coat at Painting work shop # 2.

Traveler Rails Identified as following mentioned.

SA7026A – 5 Nos.

SA7026B - 2 Nos.

SA7026C - 2 Nos.

SA7031A - 1 No.

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SA7026B - 1 No.

Inspection Conclusions: Accepted after performing all the tests by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

OBG Lift 14 West Top Plate Inspection Request No. 7395

A joint two party inspection was performed by ABF QA's and Caltrans QA for the OBG Lift 14 West Top Plate concrete embedded areas for Surface Preparation before applying the primer coat at blasting work shop # 2.

Inspection Conclusions: Accepted the Surface Preparation by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Crash Barriers and Traveler Rails Inspection Request No. 7393

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Crash Barriers (11 Pieces) and Traveler Rails (3015TR1 – 1 piece) for Degreasing and Cleaning at west gate of blasting work shop.

Inspection Conclusions: 2 pieces of Crash Barriers were rejected and rest Crash Barrier as well Traveler Rail was accepted by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Cross Beam # 18 and 19, Faying surfaces Inspection Request No. 7393A

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Cross Beam # 18 and 19, Faying surfaces before splices assembled for DFT and VT check at OBG Trial Assembly.

Inspection Conclusions: Rejected by ABF QA as few locations DFT was observed less than requirements and few areas and Caltrans QA concurred with the ABF QA's Inspection.

Traveler Rail Brackets Inspection Request No. 7396

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Traveler Rail Brackets prior to Galvanizing at Galvanizing work shop.

Traveler Rails Identified as following.

Traveler Rail – 3002TR1

Traveler Rail – 3002TR2

Traveler Rail – 3008TR1

Traveler Rail – 3008TR2

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Inspection Conclusions: Accepted and released for Galvanizing by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

OBG Lift 13 East External Surfaces Inspection Request No. 7399

A joint two party inspection was performed by ABF QA's and Caltrans QA for the OBG Lift 13 East External Surfaces for Surface Preparation, DFT and VT check, Residual Chloride Test at North of OBG Trial Assembly.

Inspection Conclusions: Rejected by ABF QA as few locations DFT, holidays and over blast was observed and Caltrans QA concurred with the ABF QA's Inspection.

Cat Walk Handrail for Cross Beam # 19, Inspection Request No. 7402

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Cat Walk Handrails for Cross Beam # 19, after Galvanizing at Galvanizing work shop.

Inspection Conclusions: Accepted subjected to minor touch up by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Miscellaneous Items, Inspection Request No. 7401

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following mentioned miscellaneous items for Surface Preparation prior to applying the primer coat at blasting work shop # 1.

Manhole Cover Plates – 2 Nos.

Stiffeners – JB2330 – 2 Nos.

Electrical Tubes – SEB3020AB – 35 Nos.

Shim Plates – X8578A – 56 Nos.

Bike Path's – BK11, BK12 and BK25A.

Crash Barriers – 35 Pieces.

Inspection Conclusions: Accepted after minor blasting by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Note: Please reference the pictures attached for more comprehensive details.

Cross Beam # 18 and 19, Contact Support areas Inspection Request No. 7403

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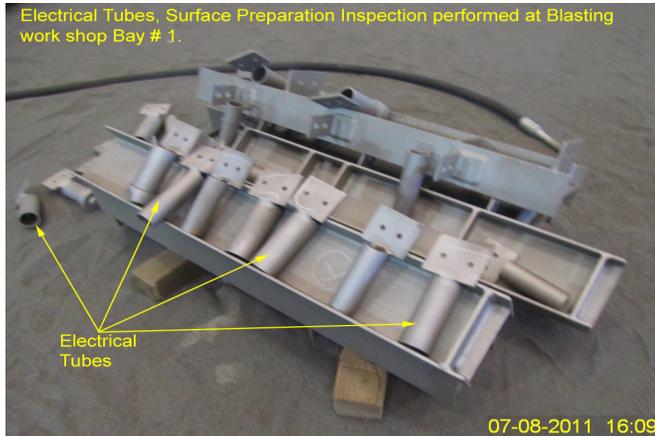
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A joint two party inspection was performed by ABF QA's and Caltrans QA for the Cross Beam # 18 and 19, Contact support areas for Surface Preparation prior to Final Coat application at OBG Trial Assembly.

Inspection Conclusions: Inspection request was cancelled by ZPMC QC, thus ABF QA and Caltrans QA did not performed the Inspection.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

No relevant conversation were reported on this date.

### 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.

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**Inspected By:** Math,Manjunath

Quality Assurance Inspector

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**Reviewed By:** Miller,Mark

QA Reviewer