

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Pursell, Gary
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-002115
Date Inspected: 09-Apr-2010

Project Name: SAS Superstructure **OSM Arrival Time:** 900
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 day CALTRANS OSM Quality Assurance Inspector (QA) S. Manjunath. Math was present during the times noted above for observations relative to the work being performed.

OBG External Surface Inspection Request No. 3101

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Splices, Shim Plates, Cable Tray Support Accessories total 485 Pieces for Surface Preparation before applying the Primer coat at blasting workshop no. 2 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Accepted by ABF QA's 6 Locations of Profile Test performed and profile roughness observed between 70 to 85 microns, 1 Location Residual Chloride Test performed and result observed as 10 microns/cm the Atmospheric Temperatures were recorded at 0922 Hrs (at Blast shop no.2) and 0927 Hrs (at Painting shop no.2) and observed not meeting the Painting Specification Finally Atmospheric Temperature was recorded at 1500 Hrs (Painting Shop no. 2) and found atmospheric conditions satisfactory and Caltrans QA concurred with the ABF QA's Inspection.

Please refer the pictures attached for more comprehensive details.

OBG Internal Ceiling Floor Inspection Request No. 3102

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Internal

SOURCE INSPECTION REPORT

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Ceiling Floor Inspection for Pre-blast Inspection before applying the Primer coat at blasting workshop no. 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Rejected by ABF QA's reason been Fabrication defects were located and asked for performing Magnetic Particle Test (MT) and Grinding, 2 Locations Residual Chloride Test performed and result observed as 10 microns/cm and 30 microns/cm and Caltrans QA concurred with the ABF QA's Inspection.

OBG Internal Ceiling Floor Inspection Request No. 3103

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Internal Ceiling and OBG Internal Floor Beams for Segment 9BW for Dry Film Thickness (DFT) Check at painting workshop no. 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Accepted by ABF QA's the OBG Internal Ceiling for Segment 9BW and Rejected Internal Floor Beams for Segment 9BW reason been Internal Floor beams will be checked at later date in Trial Assembly area and Caltrans QA concurred with the ABF QA's Inspection.

OBG External Surface Inspection Request No. 3104

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG External Surface for Segment 9BW for Surface Preparation, Dry Film Thickness (DFT), Residual Chlorides Test and MEK and Pencil Test at painting workshop no. 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Accepted by ABF QA's reason been 6 Locations MEK test conducted result observed as Grade 5, DFT Check performed and observed between 93 to 150 microns, 2 Locations Salt tests conducted and observed results as 10 microns/cm and 20 microns/cm and Cleanliness accepted and Caltrans QA concurred with the ABF QA's Inspection.

Stiffeners Inspection Request No. 3105

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Stiffener for Degreasing and Cleaning at painting workshop no. 2 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

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

OBG Internal Entire Ceiling Inspection Request No. 3106

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Internal Entire Ceiling for Surface Preparation before applying the primer coat for Segment 9BE at blasting workshop no. 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Rejected as Re-blasting recommended by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

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Splices Inspection Request No. 3107

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Splices cor Catwalk support total 661 pieces for Degreasing and Cleaning at painting workshop no. 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

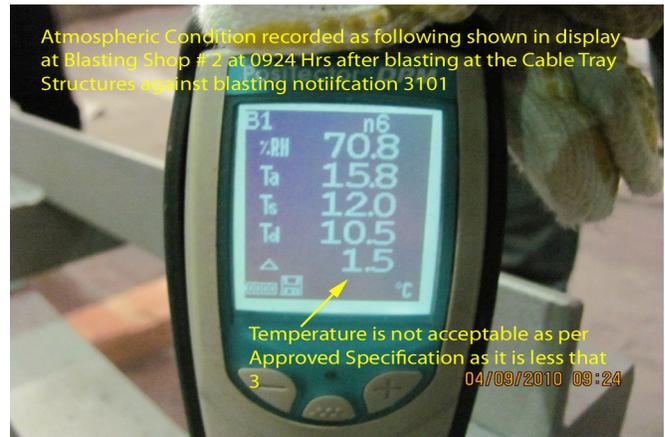
Inspection Conclusions: Accepted by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

OBG Internal Ceiling Inspection Request No. 3108

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Internal Entire Ceiling for Surface Preparation before applying the primer coat for Segment 9BE at blasting workshop no. 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

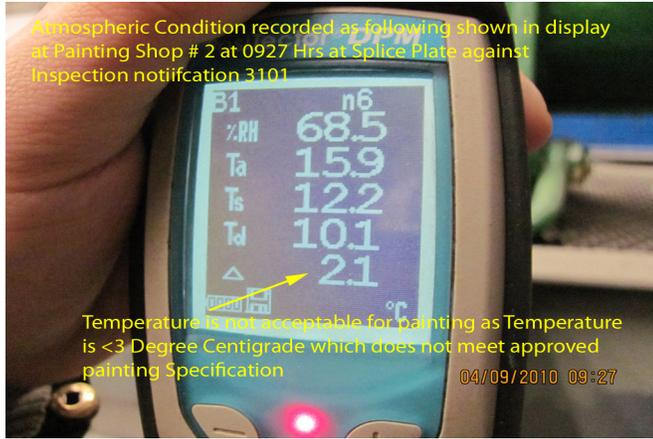
Inspection Conclusions: Accepted after re-blasting and blowing down the dust by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

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
