

**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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001054**Date Inspected:** 23-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:****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:** OBG and Tower 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.

Inspection for Surface Preparation and/or Coating Application.

OBG Internal Ceiling Inspection Request No. 1818

A joint two party inspection was performed by ABF Mr. Bill Oaks, Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng (International Paint) and QA for the Blasting of OBG Internal Ceiling Floor from PP 45, PP 46 and PP 47 for Segment 6CE.

Inspection Conclusions: Rejected by ABF as Re-blasting and grinding is required as during the pre-blasting inspection observed Welding and Base Metal discontinuities. Residual Chloride Tests been performed at 3 locations and noticed readings as 10 micro Siemens/cm, 10 micro Siemens/cm and 20 micro Siemens/cm and Caltrans QA concurred it.

OBG Internal Ceiling Inspection Request No. 1819

A joint two party inspection was performed by ABF Mr. Bill Oaks, Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng (International Paint) and QA for the Blasting of OBG Internal Ceiling Floor from PP 45, PP 46 and PP 47 for Segment 6CE.

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Inspection Conclusions: Rejected by ABF as Re-blasting is required and Caltrans QA concurred it.

OBG Internal Ceiling Inspection Request No. 1820

A joint two party inspection was performed by ABF Mr. Bill Oaks, Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng (International Paint) and QA for the Blasting of OBG Internal Ceiling Floor from PP 45, PP 46 and PP 47 for Segment 6CE.

Inspection Conclusions: Accepted by ABF after minor Re-blasting and Blowing off the dust and Caltrans QA concurred it.

OBG External Cross Beam Inspection Request No. 1821

A joint two party inspection was performed by ABF Mr. Bill Oaks, Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. Zili Peng (International Paint) and QA for the Final Painting Inspection for Segment Lift 2 West at FL3 areas.

Inspection Conclusions: Rejected by ABF as minor repair needs to be performed and Caltrans QA concurred it.

OBG External Cross Beam Inspection Request No. 1822

A joint two party inspection was performed by ABF Mr. Bill Oaks, Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. Zili Peng (International Paint) and QA for the Final Painting Inspection for Segment Lift 2 East at FL3 areas.

Inspection Conclusions: The Inspection request was cancelled by ZPMC at 1500 Hrs.

OBG Internal Entire Ceiling Inspection Request No. 1823

A joint two party inspection was performed by ABF Mr. Bill Oaks, Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. Zili Peng (International Paint) and QA for the Final Painting Inspection for Segment 7AE at FL3 areas.

Inspection Conclusions: Rejected by ABF as Grinding and Re-blasting required. Residual Chloride Tests been performed at 3 locations and noticed readings as 10 micro Siemens/cm, 10 micro Siemens/cm and 20 micro Siemens/cm and Caltrans QA concurred it.

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

### **Summary of Conversations:**

No Relevant Conversation

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### 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 , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Math,Manjunath	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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