

**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-006179**Date Inspected:** 02-Apr-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**CWI Name:** Li Zhi jiang/SunWei**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 Components**Summary of Items Observed:**

On this date Caltrans Quality Assurance (QA) Inspector, Lonnie Whitehead, was present during the times noted above for observations relative to the work being performed.

**BAY#13**

This QA inspector verified that the following Deck Plates had been completed and the required non destructive testing (NDT) had been performed. Green tags were issued by American Bridge/Flour (ABF).

Component Segment Green Tag#

DP328-001 6BE 6181

DP462-001 6AE 6188

**BAY#14**

This QA inspector verified that the following Deck Plates had been completed and the required non destructive testing (NDT) had been performed. Green tags were issued by American Bridge/Flour (ABF).

Component Segment Green Tag#

DP409-001 6BE 6182

DP382-001 6BE 6183

DP436-001 6BE 6184

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DP383-001 6CE 6185  
DP329-001 6CE 6186  
DP170-001 7CW 6187  
DP166-001 6BW 6189  
DP167-001 6CW 6190  
DP248-001 6CW 6191  
DP113-001 6CW 6192  
DP381-001 6AE 6193  
DP408-001 6AE 6194

### BAY#3

This QA Inspector performed Ultrasonic Testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated a UT report for this date. The members are identified as:

CB202C-001-welds 001/002/004  
FB003-152-weld 105  
FB003-150-weld 104  
FB003-131-weld 104  
FB003-155-weld 105  
FB010-024-weld 043  
FB015-029-weld 043  
CB202F-001-weld 002

### LAYDOWN YARD

This QA Inspector performed an initial visual confirmation of the extent of rejectable indications contained in deck panel designated as:

DP221-001 (6CW)

This visual confirmation was performed in conjunction with ABF representative and ZPMC representative.

This QA Inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested by ZPMC MT personnel. This QA Inspector generated a TL-6028 MT report on this date. The weld designation numbers are as follows:

DP463-001-welds 001 to 008

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

### 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

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remedial efforts please contact Eric Tsang (15000422372), who represents the Office of Structural Materials for your project.

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