

**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-005152**Date Inspected:** 12-Jan-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#12

This QA Inspector performed Visual Testing (VT) of completed deck panel repairs. The weld repairs appeared to comply visually per Caltrans Engineer Approved Repair Procedure. The deck panel designation numbers are as follows:

DP115-001 (7BW)

DP226-001 (7EW)

DP142-001 (7BW)

This QA inspector randomly chose an approximate 10% area of each of the following plate splices for Radiographic Testing:

DP140-001-189 (1000mm from Y-300mm spot)

DP219-001-189 (0 from Y-300mm spot)

DP165-001-189 (2000mm from Y-300mm spot)

DP491-001-117 (500mm from Y-180mm spot)

DP194-001-189 (2500mm from Y-300mm spot)

DP113-001-154 (1000mm from Y-240mm spot)

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# WELDING INSPECTION REPORT

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## BAY#2

This QA Inspector observed the following work in progress:

F.C.A.W. welding of the weld joint 005 located on FB003-171. Welder is identified as #202654. ZPMC QC is identified as Shi Lei and Zhu Lin. The welding variables recorded by QC appeared to comply with the applicable WPS.

## 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:

FB016-030-021/062    FB016-033-021/062  
FB015-029-023/062    FB015-036-023/062  
FB009-028-021/062    FB009-023-021/062  
FB015-033-023/062    FB016-036-023/062  
FB016-029-021/062    FB009-024-021/062

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 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
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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