**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 #: 69.28

# WELDING INSPECTION REPORT

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

**Report No:** WIR-013280
**Date Inspected:** 14-Feb-2010

**Project Name:** SAS Superstructure
**Prime Contractor:** American Bridge/Fluor Enterprises, a JV
**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

**OSM Arrival Time:** 700
**OSM Departure Time:** 1500
**Location:** Shanghai, China

**CWI Name:** Du Zhi Qun, Li Lin

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|---|---|---|---|---|---|---|---|---|
| **Inspected CWI report:** | ☐ Yes | ☑ No | ☐ N/A | **CWI Present:** | ☐ Yes | ☑ No | |
| **Electrode to specification:** | ☐ Yes | ☐ No | ☑ N/A | **Rod Oven in Use:** | ☐ Yes | ☐ No | ☑ N/A |
| **Qualified Welders:** | ☐ Yes | ☐ No | ☑ N/A | **Weld Procedures Followed:** | ☐ Yes | ☐ No | ☑ N/A |
| **Approved Drawings:** | ☐ Yes | ☐ No | ☑ N/A | **Verified Joint Fit-up:** | ☐ Yes | ☐ No | ☑ N/A |
| | | | | **Approved WPS:** | ☐ Yes | ☐ No | ☑ N/A |
| | | | | **Delayed / Cancelled:** | ☐ Yes | ☐ No | ☑ N/A |

**Bridge No:** 34-0006
**Component:** Tower

**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Umesh Gaikwad was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

This Quality Assurance (QA) Inspector observed the following work in progress:

BAY 10

During random in process Quality Assurance (QA) inspection this QA inspector observed the excavation had been performed on the weld joint of Tower Strut. The components are identified as Tower components. Attached photographs provide additional details.

BAY 11

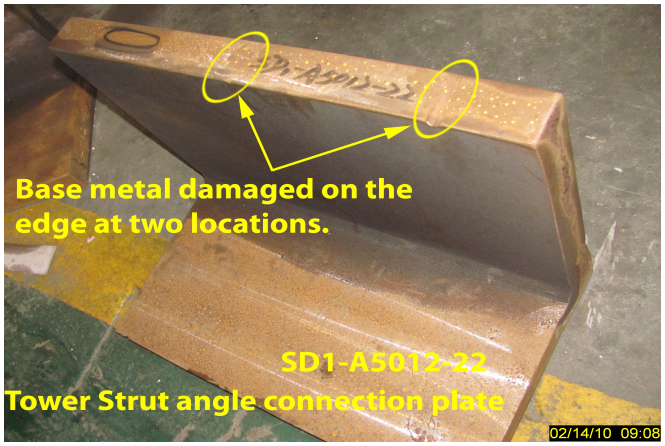
BAY 10

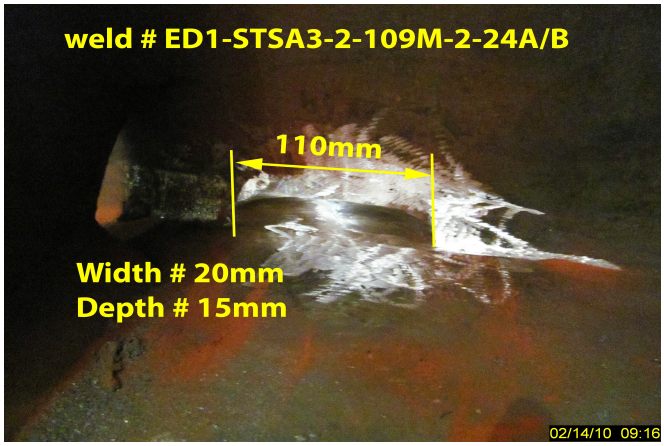
During random in process Quality Assurance (QA) inspection this QA inspector observed the base metal is dmaged at the edge of the Tower Strut angle connection plate at various locations. The components are identified as Tower components. Attached photographs provide additional details.

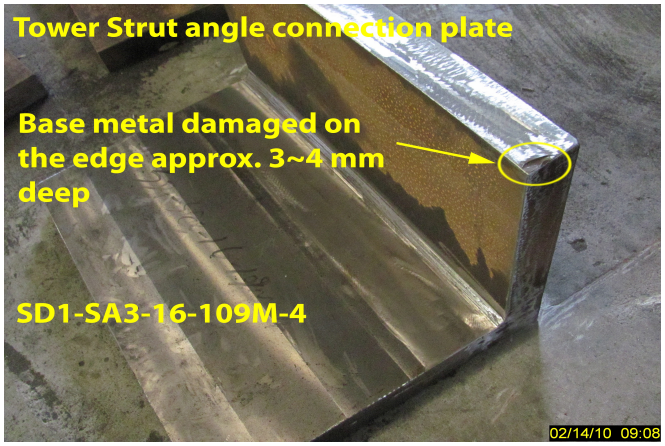
# WELDING INSPECTION REPORT

*( Continued Page 2 of 2 )*

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




**Summary of Conversations:**

Only general conversation was held between QA and QC concerning this project.

**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 Skyler Guest : 15000422360, who represents the Office of Structural Materials for your project.

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|---|---|---|
| **Inspected By:** | Gaikwad,Umesh | Quality Assurance Inspector |
| **Reviewed By:** | Clifford,William | QA Reviewer |