**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-014145
**Date Inspected:** 05-May-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:** 1900
**Location:** Shanghai,China

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|---|---|---|---|---|---|---|---|
| **CWI Name:** | Mr.An Qing Xiang | | | **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:** Tower

**Summary of Items Observed:**
On this date Caltrans OSM Quality Assurance (QA) Inspector, Nagalingam Pandaram Pillai was present during the times noted above for observations relative to the work being performed.

IN PROCESS INSPECTION:-
BAY#11:-

This QA inspector observed the following work in progress:
SMAW welding of weld joint no: ED1-STSA4-6-131M-2-91 located on Strut Plate. Welder is identified as 040614.ZPMC QC is identified as Mr.Mao Bin Bin. The welding variables recorded by QC appeared to comply with the WPS-B-T-2112.

This QA inspector observed the following work in progress:
SMAW welding of weld joint no: ND1-STSA4-6-135M-2-80 located on Strut Plate. Welder is identified as 202100.ZPMC QC is identified as Mr.Mao Bin Bin. The welding variables recorded by QC appeared to comply with the WPS-B-T-4113-1.

This QA inspector observed the following work in progress:
SMAW welding of weld joint no: ND1-STSA4-6-135M-2-83 located on Strut Plate. Welder is identified as 040611.ZPMC QC is identified as Mr.Liu Dao Feng. The welding variables recorded by QC appeared to comply with the WPS-B-T-2113.

# WELDING INSPECTION REPORT

*( Continued Page 2 of 2 )*

This QA inspector observed the following work in progress:
SMAW welding of weld joint no: ED1-STSA4-6-139M-1-96 located on Strut Plate. Welder is identified as 046769.ZPMC QC is identified as Mr. Liu Dao Feng. The welding variables recorded by QC appeared to comply with the WPS-B-T-4113-1.

This QA inspector observed the following work in progress:
SMAW welding of weld joint no: ED1-STSA4-6-135M-1-73B located on Strut Plate. Welder is identified as 044551.ZPMC QC is identified as Mr.Xu Jin Long. The welding variables recorded by QC appeared to comply with the WPS-B-T-3212-TC-U5b-1.

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

**Summary of Conversations:**
No Relevant Conversation.

**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:** | Pillai,Pandaram | Quality Assurance Inspector |
| **Reviewed By:** | Clifford,William | QA Reviewer |