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-012528
Date Inspected: 11-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: 1900
Location: Shanghai,China

CWI Name: Mr.You Qi Guo

CWI Present: ☑ Yes ☐ No

	Yes	No	N/A
Inspected CWI report:	☐	☑	☐
Electrode to specification:	☑	☐	☐
Qualified Welders:	☑	☐	☐
Approved Drawings:	☑	☐	☐

	Yes	No	N/A
Rod Oven in Use:	☑	☐	☐
Weld Procedures Followed:	☑	☐	☐
Verified Joint Fit-up:	☑	☐	☐
Approved WPS:	☑	☐	☐
Delayed / Cancelled:	☐	☑	☐

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:-
TOWER TRAIL ASSEMBLY AREA:-

This QA inspector observed the following work in progress:
SMAW welding of Temporary attachment (I Beam) for the Platform located on South Tower Lift 2 at elevation 77M. Welder is identified as 057258.ZPMC CWI is identified as Mr. Zhao Chen Sun. The welding variables recorded by QC appeared to comply with the WPS-B-P-2114.Please see the attached picture below.

NORTH SHAFT LIFT 1:-

This QA inspector observed the following work in progress:
ZPMC performed Weld metal repair of Bearing Plate located on Skin E (NSD1-SA76F/H-10). The weld metal repair areas were approximately 2mm depth and 50mm length at 4 random locations. The material is A709M Grade 345 Non-SPCM. Welder is identified as 053829.ZPMC CWI is identified as Mr. You Qi Guo. SMAW welding was been performed. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-3G (3F)-Repair.

This QA inspector observed the following work in progress:

WELDING INSPECTION REPORT

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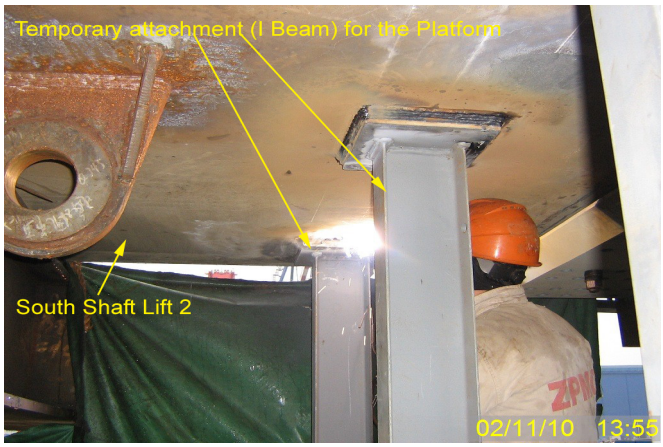
ZPMC performed Weld metal repair of Bearing Plate located on Skin B (NSD1-SA11-14). The weld metal repair areas were approximately 2mm depth and 150mm length at 2 random locations. The material is A709M Grade 345 Non-SPCM. Welder is identified as 053829.ZPMC CWI is identified as Mr. You Qi Guo. SMAW welding was been performed. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-3G (3F)-Repair.

This QA inspector observed the following work in progress:
ZPMC performed Weld metal repair of Bearing Plate located on Skin C (NSD1-SA17F/G-34). The weld metal repair areas were approximately 2mm depth and 180mm, 70mm length at 2 random locations. The material is A709M Grade 345 Non-SPCM. Welder is identified as 053829.ZPMC CWI is identified as Mr. You Qi Guo. SMAW welding was been performed. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-3G (3F)-Repair. Please see the attached picture below.

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.

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