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-009921
Date Inspected: 10-Oct-2009

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

OSM Arrival Time: 645
OSM Departure Time: 1845
Location: Shanghai, China

CWI Name: Yu Dong Ping, Zhou Yu.

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

CWI Present: ☑ Yes ☐ No

Bridge No: 34-0006
Component: Tower Components

Summary of Items Observed:

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

This QA Inspector observed the following work in progress:

Bay11, West Tower, Angle Plate.

SMAW welding of weld joint WD1-SA3-18-99M-8-1A & WD1-SA3-18-99M-7-1A; located on Bay11, West Tower. Welders are identified as 058009; ZPMC Quality Control Inspector (QC) is identified as Yu Dong Ping. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-3211-TC-U5B-1.

Bay10, North Tower, Angle Plate.

SMAW Repair welding of weld joint ND1-A5012-6-1B(WRR # T-WR2374); located on Bay10, North Tower. Welder is identified as 052493; ZPMC Quality Control Inspector (QC) is identified as Zhou Yu. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-485-SMAW-1G(1F)-Repair.

Bay11, South Tower, Lift 4, 123M(Bottom)Diaphragm to Skin Plate weld.

FCAW welding of weld joint SSTL4-1F/L-69; located on Bay11, South Tower. Welders are identified as 066164; ZPMC Quality Control Inspector (QC) is identified as Li ming. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-4332-TC-P5-F.

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Bay11, North Tower, Interior Splice Plate.

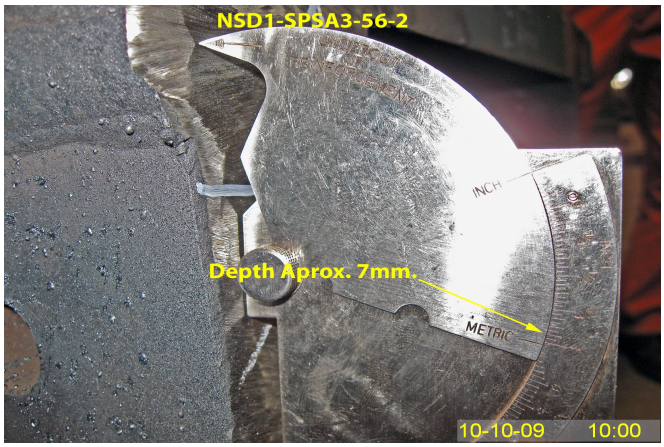
Repair gouge out notised on Interior Splice Plate weld Identified as NSD1-SPSA3-56-2. see attached picture for details.

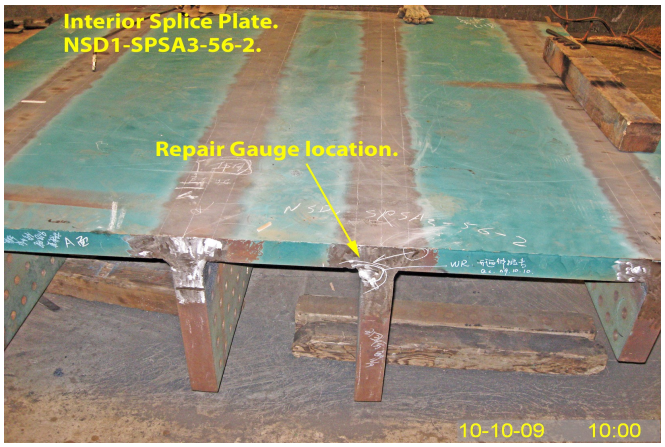
Bay10, East Tower, Strut.

SMAW welding of weld joint ED1-A6001-6-10A; located on Bay10, East Tower. Welders are identified as 053049; ZPMC Quality Control Inspector (QC) is identified as Zhou Yu. The welding variables recorded by Quality Control Inspector (QC) appeared to comply with the Applicable WPS: WPS-B-T-3212-TC-U5B-1.

This QA Inspector carried out NDE on following

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 Serge Sinevod, 13482570045, who represents the Office of Structural Materials for your project.

Inspected By:	Juvekar,Amit	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer