

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020423**Date Inspected:** 28-Jul-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Zhu Zhong Hai**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 Segment Assembly**Summary of Items Observed:**

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

This QA Inspector observed the following work in progress:

OBG Segment 9DE-9EE

This QA Inspector performed verification Ultrasonic Testing (UT) in accordance with ABF/CT Pattern "D" UT Procedure 001 Revision 1. All recordable Indications if found were recorded on a data sheet that Caltrans QA generates after performing a joint inspection. The members are identified as the 9DE-9EE Cross Beam side EP to EP splice weld.

ABF Report # UT-9E-089

The weld designations reviewed are as follows:

OBE9A-006

OBG Segment 9DE-9EE

This QA Inspector performed verification Ultrasonic Testing (UT) in accordance with ABF/CT Pattern "D" UT Procedure 001 Revision 1. All recordable Indications if found were recorded on a data sheet that Caltrans QA

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generates after performing a joint inspection. The members are identified as the 9DE-9EE Cross Beam side SP to SP splice weld.

ABF Report # UT-9E-090

The weld designations reviewed are as follows:

OBE9C-006 and 007

OBG Segment 9CE-9DE

This QA Inspector witnessed Magnetic Particle Testing (MT). All recordable Indications if found were recorded on a data sheet that Caltrans QA generates after performing a joint inspection. The members are identified as the Cross Beam side SP to SP splice weld repaired area.

ABF notification No: 07272010-1, Item # 1.

The weld designations reviewed are as follows:

OBE9C-002

OBG Segment 9CE-9DE

This QA Inspector performed verification Ultrasonic Testing (UT) in accordance with ABF/CT Pattern "D" UT Procedure 001 Revision 1. All recordable Indications if found were recorded on a data sheet that Caltrans QA generates after performing a joint inspection. The members are identified as the Cross Beam side SP to SP splice weld repaired area.

ABF notification No: 07272010-1, Item # 1.

The weld designations reviewed are as follows:

OBE9C-002

OBG Segment 9CE-9DE

This QA Inspector witnessed Magnetic Particle Testing (MT). All recordable Indications if found were recorded on a data sheet that Caltrans QA generates after performing a joint inspection. The members are identified as the Bike Path side BP to SP hold back weld.

ABF notification No: 07272010-1, Item # 2.

The weld designations reviewed are as follows:

SEG054A-012

SEG056A-045

OBG Segment 9CE-9DE

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This QA Inspector performed verification Ultrasonic Testing (UT) in accordance with ABF/CT Pattern "D" UT Procedure 001 Revision 1. All recordable Indications if found were recorded on a data sheet that Caltrans QA generates after performing a joint inspection. The members are identified as the Bike Path side BP to SP hold back weld.

ABF notification No: 07272010-1, Item # 2.

The weld designations reviewed are as follows:

SEG054A-012

SEG056A-045

OBG Segment 9CE-9DE

This QA Inspector witnessed Magnetic Particle Testing (MT). All recordable Indications if found were recorded on a data sheet that Caltrans QA generates after performing a joint inspection. The members are identified as the BP to BP splice weld.

ABF notification No: 07272010-2, Item # 1.

The weld designations reviewed are as follows:

OBE9C-003

OBG Segment 9CE-9DE

This QA Inspector performed verification Ultrasonic Testing (UT) in accordance with ABF/CT Pattern "D" UT Procedure 001 Revision 1. All recordable Indications if found were recorded on a data sheet that Caltrans QA generates after performing a joint inspection. The members are identified as the BP to BP splice weld.

ABF notification No: 07272010-2, Item # 1.

The weld designations reviewed are as follows:

OBE9C-003

Summary of Conversations:

No relevant conversations reported on this date.

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 (+86)15000 42 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Gade,Ramesh	Quality Assurance Inspector
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Reviewed By:	McClendon,Timothy	QA Reviewer
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