

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT**

Resident Engineer: Casey, William
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-028047
Date Inspected: 22-Jul-2012

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: American Bridge/Fluor Enterprises, a JV

OSM Arrival Time: 700
OSM Departure Time: 1730
Location: Job Site

CWI Name:	See below.	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		

Summary of Items Observed:

Quality Assurance Inspector (QA) Fritz Belford was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

OBG**Ultrasonic Testing**

This QA performed Ultrasonic Testing (UT) on approximately 920mm of Bottom Flange Complete Joint Penetration (CJP) splice welds at 13W PP124.5 W2.2 BF1 and 13W PP124 W2.8 BF1. Both Bottom Flanges (BF1) were inspected using this testing method.

This QA performed Ultrasonic Testing (UT) on approximately 635mm of Bottom Web (BW1) Complete Joint Penetration (CJP) splice weld at 13W PP 123.5 W2.2 BF1. Bottom Flanges (BF1) was inspected using this testing method.

This QA performed Ultrasonic Testing (UT) on approximately 125mm of Transverse Stiffener Complete Joint Penetration (CJP) splice welds at 13W PP120 TS1. Splice weld (TS1) was inspected using this test method.

These weld were previously accepted by QC Ultrasonic technicians in accordance with AWS D1.5-2002, section 6, table 6.3.

This QA observed no rejectable indications at the time of testing. This QA generated a TL-6027 UT report on this date. The completed work observed at this location appeared to be in compliance with the contract specifications.

This weld is a Seismic Performance Critical Member (SPCM) member.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

Magnetic Particle Testing

This QA performed Magnetic Particle Testing (MT) on approximately 920mm of Bottom Flange Complete Joint Penetration (CJP) splice welds at 13W PP124.5 W2.2 BF1 and 13WPP124 W2.8 BF1. Both Bottom Flanges (BF1) were inspected using this testing method.

This QA performed Magnetic Particle Testing (MT) on approximately 635mm of Bottom Web (BW1) Complete Joint Penetration (CJP) splice weld at 13W PP 123.5 W2.2 BF1. Bottom Flanges (BF1) was inspected using this testing method.

This QA performed Magnetic Particle Testing (MT) on approximately 125mm of Transverse Stiffener Complete Joint Penetration (CJP) splice welds at 13W PP120 TS1. Splice weld (TS1) was inspected using this test method.

The above weld were previously accepted by QC Magnetic Particle technicians. This QA observed no rejectable indications at the time of testing. This QA Inspector generated a TL-6028 MT report on this date. The completed work observed at this location appeared to be in compliance with the contract specifications.

This weld is a Seismic Performance Critical Member (SPCM) member.

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

Summary of Conversations:

Conversations relevant to work performed 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 Nina Choy - (510) 385-5910, who represents the Office of Structural Materials for your project.

Inspected By:	Belford,Fritz	Quality Assurance Inspector
----------------------	---------------	-----------------------------

Reviewed By:	Levell,Bill	QA Reviewer
---------------------	-------------	-------------