

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 #: 04-0120F4
 Cty: SF/ALA Rte: 80 PM: 13.2/13.9
 File #: 69.25B

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

Location: Changxing Island, Shanghai, P.R. China

Report No: NCR-000292

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 03-Jun-2009

Submitting Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

NCR #: ZPMC-0266

Type of problem:

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: OBG Segment Splice 1AE/1BE
Procedural	Procedural	Description:	

Reference Description: Welding on Wet Material, Weld Joint OBE1-006

Description of Non-Conformance:

Caltrans Quality Assurance (QA) Inspector observed ZPMC welding personnel perform SMAW welding on material while it was wet. The weld joint is identified as OBE1-006 (1AE/1BE segment splice).



Applicable reference:

AWS D1.5 2002 Section 3, Paragraph 3.1.3: "Welding shall not be done when the surfaces are wet or exposed to rain."

AWS D1.5 2002 Section 3, Paragraph 3.2.1: "Surfaces to be welded and surfaces adjacent to a weld shall also be free from moisture that would prevent proper welding."

Who discovered the problem: Dhanasingh Sukanthan

Name of individual from Contractor notified: Li Jing Bo

Time and method of notification: 1500 hours, 06-03-09, Verbal

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Name of Caltrans Engineer notified: Stanley Ku

Time and method of notification: 1830 hours, 06-04-09, Email

QC Inspector's Name: Liu Zhao Gang

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

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, 1500.042.2360, who represents the Office of Structural Materials for your project.

Inspected By:	Guest, Skyler	SMR
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Reviewed By:	Wahbeh, Mazen	SMR
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DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge
666 Feng Bin Road Room 708, Changxing Island
Shanghai 201913 PR China
Tel: 021-56856666 ext 207061 Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: AMERICAN BRIDGE/FLUOR, A JV
375 BURMA ROAD
OAKLAND CA 95607

Date: 08-Jun-2009

Contract No: 04-0120F4
04-SF-80-13.2 / 13.9

Dear: Mr. Charles Kanapicki

Job Name: SAS Superstructure

Attention: Mr. Thomas Nilsson Project/Fabrication Manager

Document No: 05.03.06-000256

Subject: NCR No. ZPMC-0266

Reference Description: Welding on Wet Material, Weld Joint OBE1-006

The attached Non-Conformance Report describes an occurrence where the contractor did not comply with a requirement of the contract document as indicated below:

- Material or Workmanship not in conformance with contract documents.
- Quality Control (QC) not performed in conformance with contract documents.
- Recurring QC issue that constitutes a systematic problem in quality control.
- Non-Conformance Resolved.

Material Location: OBG **Lift:**

Remarks:

Caltrans Quality Assurance (QA) Inspector observed ZPMC welding personnel perform SMAW welding on material while it was wet. The weld joint is identified as OBE1-006 (1AE/1BE segment splice).

Action Required and/or Action Taken:

Please propose a resolution for the identified non-conformance to prevent future occurrences. Welding shall not be done when the surfaces are wet or exposed to rain.

Transmitted by: Stanley Ku Sr. Bridge Engineer

Attachments: ZPMC-0266

cc: Rick Morrow, Gary Pursell, Peter Siegenthaler, Brian Boal, Doug Coe, Jason Tom, Doug Wright, Ching Chao

File: 05.03.06

NCR PROPOSED RESOLUTION

To: CALTRANS - SAS Superstructure
333 Burma Road
Oakland CA 94607

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000256

Subject: NCR No. ZPMC-0266

Dated: 03-Aug-2009

Contract No.: 04-0120F4
04-SF-80-13.2 / 13.9

Job Name: SAS Superstructure

Document No.: ABF-NPR-000275 **Rev:** 00

Contractor's Proposed Resolution:

Reference Resolution: ZPMC has responded to this NCR and has attached documents as evidence of completion. ZPMC requests closure of this NCR.

ZPMC has responded to this NCR and has attached documents as evidence of completion. ZPMC requests closure of this NCR.

Submitted by:

Attachment(s): ABF-NPR-000275R00;

Caltrans' comments:

Status: REJ

Date: 18-Aug-2009

The proposed resolution is not acceptable. In addition to the MT and UT results, please also include the Radiographic Testing (RT) results at this location. The Department will review the Contractor's proposal to close Non-Conformance ZPMC-0266 at that time.

Submitted by: Wright, Doug

Date: 18-Aug-2009

Attachment(s):



Nonconformance Report

不符合项报告

Project Name: S.F.O.B.B
 项目名称: 美国加州海湾大桥
 NCR Number: NCR-B-178 (NCR-292)
 NCR 编号:

Item: Welding on Wet Material
 名称描述: 潮湿母材上焊接
 Item Number: N/A
 件号:
 Drawing: OBE1
 图号:

Location: Trail Assembly Yard 1AE/1BE
 位置: 总拼外场 1AE/1BE
 Date: 2009-06-10
 日期:

Description of Nonconformance:
 不符合项状态描述:
 Caltrans QA Inspector observed ZPMC welding personnel perform SMAW welding on material while it was wet. The weld joint is identified as OBE1-006 (1AE/1BE segment splice).
 加州检验员发现 ZPMC 在潮湿的母材上进行 SMAW 焊接。焊缝编号 OBE1-006(1AE/1BE 箱体对接)。此问题已发生多次。
 参考标准: AWS D1.5 章节 3.1.3 “严禁在表面潮湿或暴露于雨、雪之中进行焊接”。
 Work By: 09-6-12 Prepared by: Lu Reviewed by QCE: Zhaoshun
 施工方: Wen 准备: 06/10/09 质量工程师批准:
 Drawing Error Material Defect Fabrication Error Other 09.06.10
 图纸错误 材料缺陷 制作错误 其他原因

Disposition: Use as is Repair Reject
 处理措施: 回用 返修 拒收

Recommendation:
 建议: ① 焊接前, 必须经 QC 确认, 母材的状态。
 It shall check by QC before welding. base metal condition.
 Prepared by: Du Wen Approved by QCA: _____
 准备 质量经理批准

Reason for Nonconformance:
 不符合原因:
 在干燥的母材上进行 SMAW 焊接。
 perform SMAW welding on material while it was wet.
 预防措施: Enhance supervision and inspection on-site, and educate works.
 加强现场监督、检查, 并对工人进行教育。
 Approved by/批准: Gao Jun 09.06.12

Technical Justification for Use-As-Is/Repair: Attachment Non-attachment
 回用或返修的技术依据: ① 严格操作人员禁止类似问题发生, 并要求在作业前检查作业环境。
 Enhance supervision intensity before operation ② 加强现场监督力度并对相关人员进行教育和培训。
 确保质量和立即补救。无附件
 Reviewed/批准: _____

Verification: Acceptable Unacceptable
 确认: 可接受 不可接受

Verified by QCI/质检确认: _____ Reviewed by QCA/质检主任审核: _____

Caltrans

DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge
666 Feng Bin Road Room 708, Changxing Island
Shanghai 201913 PR China
Tel: 021-56856666 ext 207061 Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: AMERICAN BRIDGE/FLUOR, A JV Date: 08-Jun-2009
375 BURMA ROAD Contract No: 04-0120F4
OAKLAND CA 95607 04-SF-80-13.2 / 13.9

Dear: Mr. Charles Kanapicki Job Name: SAS Superstructure
Attention: Mr. Thomas Nilsson Project/Fabrication Manager Document No: 05.03.06-000256
Subject: NCR No. ZPMC-0266

Reference Description: Welding on Wet Material, Weld Joint OBE1-006

The attached Non-Conformance Report describes an occurrence where the contractor did not comply with a requirement of the contract document as indicated below:

- Material or Workmanship not in conformance with contract documents.
- Quality Control (QC) not performed in conformance with contract documents.
- Recurring QC issue that constitutes a systematic problem in quality control.
- Non-Conformance Resolved.

Material Location: OBG Lift:

Remarks:

Caltrans Quality Assurance (QA) Inspector observed ZPMC welding personnel perform SMAW welding on material while it was wet. The weld joint is identified as OBE1-006 (1AE/1BE segment splice).

Action Required and/or Action Taken:

Please propose a resolution for the identified non-conformance to prevent future occurrences. Welding shall not be done when the surfaces are wet or exposed to rain.

Transmitted by: Stanley Ku Sr. Bridge Engineer

Attachments: ZPMC-0266

cc: Rick Morrow, Gary Pursell, Peter Siegenthaler, Brian Boal, Doug Coe, Jason Tom, Doug Wright, Ching Chao
File: 05.03.06

02:02:15 04
05.03.06-000256.NCT

Received
NCR-000256 08 Jun 09 Page 1 of 1

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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 Quality Assurance and Source Inspection

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.25B

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

Location: Changxing Island, Shanghai, P.R. China

Report No: NCR-000292

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 03-Jun-2009

Submitting Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

NCR #: ZPMC-0266

Type of problem:

Welding Concrete Other Welding Curing Procedural Joint fit-up Coating Other Procedural Procedural Description:

Bridge No: 34-0006

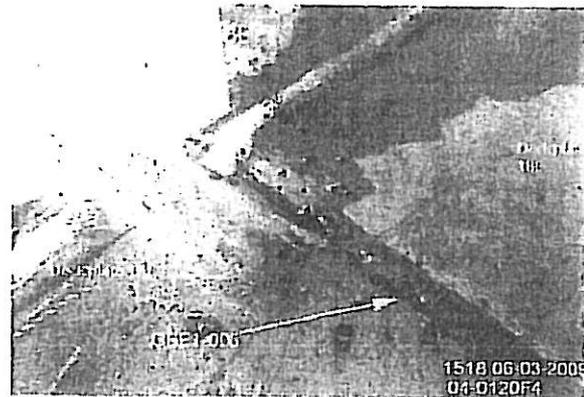
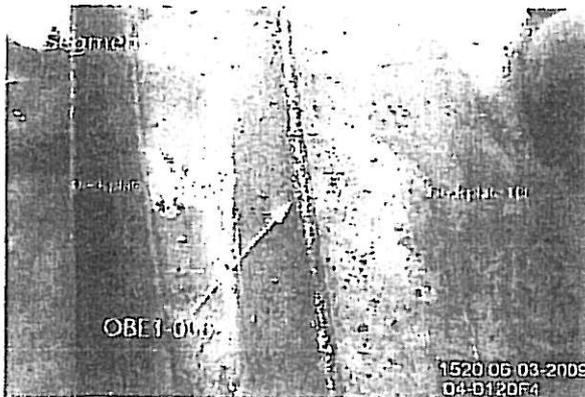
Component: OBG Segment Splice 1AE/1BE

Reference Description: Welding on Wet Material, Weld Joint OBE1-006

Description of Non-Conformance:

Caltrans Quality Assurance (QA) Inspector observed ZPMC welding personnel perform SMAW welding on material while it was wet. The weld joint is identified as OBE1-006 (1AE/1BE segment splice).

“虽然湿”
 “发生8次”



Applicable reference:

AWS D1.5 2002 Section 3, Paragraph 3.1.3: "Welding shall not be done when the surfaces are wet or exposed to rain."

AWS D1.5 2002 Section 3, Paragraph 3.2.1: "Surfaces to be welded and surfaces adjacent to a weld shall also be free from moisture that would prevent proper welding."

Who discovered the problem: Dhanasingh Sukanthan

Name of individual from Contractor notified: Li Jing Bo

Time and method of notification: 1500 hours, 06-03-09, Verbal

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Name of Caltrans Engineer notified: Stanley Ku

Time and method of notification: 1830 hours, 06-04-09, Email

QC Inspector's Name: Liu Zhao Gang

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

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, 1500.042.2360, who represents the Office of Structural Materials for your project.

Inspected By: Guest, Skyler

SMR

Reviewed By: Wahbeh, Mazen

SMR



REPORT OF MAGNETIC PARTICLE EXAMINATION

磁粉检测报告

REPORT NO. 报告编号 B787-MT-12237		DATE日期 2009.07.15		PAGE OF页码 1/1	Revision No: 0	
PROJECT NO. ZP06-787 工程编号:			CONTRACTOR: CALTRANS 用户:			
DRAWING NO. OBE1 图号: 1AE+1BE			CALTRANS CONTRACT NO.: 04-0120F4 加州工程编号			
REFERENCING CODE 参考规范编码 AWS D1.5-2002	ACCEPTANCE STANDARD 接受标准 AWS D1.5-2002	PROCEDURE NO. 程序编号 ZPQC-MT-01	CALIBRATION DUE DATE 仪器校正有效期 Dec. 28 ST , 2009			
EQUIPMENT 设备 MT YOKE	MANUFACTURER 制造商 PARKER	MODEL NO. 样式编号 B310S	SERIAL NO. 连续编号 5395 5617 5620			
MAGNETIZING METHOD 磁化方法	Continuous magnetic yoke 磁轭式连续法	CURRENT 电流	AC			
PARTICLE TYPE 磁粉类型	Dry magnet powder 干磁粉	YOKE SPACING 磁轭间距	70~150mm			
MATERIAL TO BE EXAMINED 检测材料	<input checked="" type="checkbox"/> WELDING 焊接件 <input type="checkbox"/> CASTING 铸件 <input type="checkbox"/> FORGING 锻造	Material & thickness 母材,厚度	A709M-345 20/28 mm			
WELDING PROCESS 焊接方法	SMAW/FCAW/SAW	TYPE OF JOINT 焊缝类型	BUTT			
WELD I.D. 焊缝编号	DISCONTINUITY不连续性			ACCEPT 接受	REJECT 拒收	REMARKS 备注
	INDICATION 指示	TYPE 类型	LENGTH IN mm 长度			
OBE1-006				ACC.		100%MT
BLANK						
EXAMINED BY主探 Jin Jianting 金建廷 09.07.15			REVIEWED BY 审核 Sun Gongchang 孙公昌 09.07.15			
LEVEL - II SIGN 签名 / DATE日期			LEVEL-II SIGN / DATE日期			
质量经理 / QCM Lujunhua 卢俊华 7/15/09			用户CUSTOMER			
签字 SIGN / 日期 DATE			签字 SIGN / 日期 DATE			



REPORT OF ULTRASONIC EXAMINATION

UT探伤报告

REPORT NO. 报告编号 B787-UT-7636 DATE 2009.07.15 PAGE 1 OF 1 Revision No: 0

PROJECT NO.: 工程编号 ZP06-787		CONTRACTOR: CALTRANS	
ITEMS NAME: 1AE+1BE 部件名称	DRAWING NO.: OBE1 图号	CALTRANS CONTRACT NO.: 04-0120F4 加州工程编号	
REFERENCING CODE 参考规范 AWS D1.5-2002	ACCEPTANCE STANDARD 接受标准 AWS D1.5-2002(Table 6.3)	PROCEDURE NO. 程序编号 ZPQC-UT-01	
WELDING PROCESS 焊接方法 FCAW SAW SMAW	JOINT TYPE 焊缝类型 BUTT	CALIBRATION DUE DATE 仪器校正有效期 Dec. 28 ST , 2009	
EQUIPMENT 设备 UT SCOPE	MANUFACTURER 制造商 PANAMETRICS	MODEL NO. 样式编号 EPOCH-4B	SERIAL NO. 序列编号 071565311, 061488510, 061495811, 070152011,
CALIBRATION BLOCK 试块 AWS IIV BLOCK TYPE II	COUPLANT 耦合剂 C.M.C	MATERIAL/THICKNESS 材料厚度 A709M-345 20/28mm	

TRANSDUCER 探头

MANUFACTURER 制造商	ANGLE 角度	FREQUENCY 频率	SIZE 尺寸	MANUFACTURER 制造商	ANGLE 角度	FREQUENCY 频率	SIZE 尺寸
Changchao	70°	2.5MHz	18×18mm				
Changchao	0°	2.5MHz	20mm	Reference Level 参考灵敏度		20dB	

Base metal inspected per AWS D1.5-2002 Section 6.19.5 0° UT OK.

WELD IDENTIFICATION 焊缝部件编号	INDICATION NO. 指示号	PROBE ANGLE 探测角度	FROM FACE 检测面	LEG (次数)	DECIBELS分贝				DISCONTINUITY 不连续性					Discontinuity Evaluation 缺陷估计	Remark 备注	
					Indication Level	Reference Level	Attenuation Factor	Indication Rating	LOCATION OF DISCONTINUITY 不连续位置(mm)							
									a	b	c	d	Length 长度			Sound Path 声程
OBE1-006		70				33									ACC.	100%
BLANK																

EXAMINED BY 主探 Han feng Han feng 09.07.15 LEVEL - II SIGN / DATE	REVIEWED BY 审核 Su wei 09.07.15 LEVEL - II SIGN / DATE
质量经理 / QCM Lu Jianhua 7/15/09 签字 SIGN / 日期 DATE	用户CUSTOMER _____ 签字 SIGN / 日期 DATE



周数 85
日期 2009.06.21

Visual Weld Inspection Report
焊缝目视检查报告

Girder/梁: OBG Plate Panel Splice

Tower/塔: N/A

Quality Control Representative:
质检代表: *Wang Jun*

CWI:
检验员: *WU Zhi Cheng*
080217SF

Quality Assurance Manager ~Approval
质量控制经理: *Luf Junhua*

Caltrans Contract No. 04-0120F4
加州合同编号:

Project No.: 项目
名称 San Francisco Oakland Bay Bridge 美
旧金山海湾大桥

Project No.: 项目
编号: ZP06-787

Weld No. 焊缝编号	Welder I.D.# 焊工识别号	Location 位置	Welding consumables 焊接材料	Undercut 咬边	Porosity 气孔	Over lap 焊瘤	Crater 弧坑	Arc strike 电弧擦伤	Spatters 飞溅	Crack 裂纹	Accept or Reject 接受或拒收	Repair 返修	Accept or Reject after repair 返修后接受或拒收
OBE1-006	O45265 O50323 .045245 250050	1G	Supercore71H(Φ1.4) THJ506Fe-1(Φ4.0) JW-3(Φ4.8)	√	√	√	√	√	√	√	ACC	NA	NA

After root weld
 After CWR or WRR No.:
 After cover pass
 After HSR No.:
 Others *NCR-B-178*

#R787-QCP-603

"√" is no defects. "X" is defects. "NA" is not applicable.

NCR PROPOSED RESOLUTION

To: CALTRANS - SAS Superstructure
333 Burma Road
Oakland CA 94607

Dated: 14-Sep-2009

Contract No.: 04-0120F4
04-SF-80-13.2 / 13.9

Attention: Pursell, Gary
Resident Engineer

Job Name: SAS Superstructure

Document No.: ABF-NPR-000275 Rev: 01

Ref: 05.03.06-000256

Subject: NCR No. ZPMC-0266

Contractor's Proposed Resolution:

Reference Resolution: ZPMC has attached supporting documents of inspection and requests closure of this NCR.

ZPMC has attached supporting documents of inspection and requests closure of this NCR.

Submitted by:

Attachment(s): ABF-NPR-000275R01;

Caltrans' comments:

Status: CLO

Date: 24-Sep-2009

Contractor has submitted all required documentation

Submitted by: Chao, Ching

Date: 24-Sep-2009

Attachment(s):



No. B-469

LETTER OF RESPONSE

TO: American Bridge/Flour

DATE: 2009-9-11

REGARDING: NCR-000292 (ZPMC-0266)

With this letter of response, ZPMC requests closure for Caltrans NCR-000292 (ZPMC-0266). Per the comments of NPR, we are providing the comments from CT of the acceptable RT films for the splice joint weld of the 1AE and 1BE, please revised the proposal and turn to the CT engineer.

so base on the above explanation, ZPMC applies to close the caltrans's report NCR-000292 (ZPMC-0266).

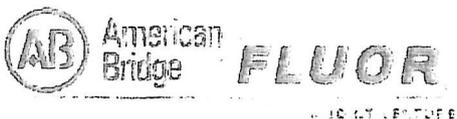
Please reference attached document for acceptance and closure the NCR-000292 (ZPMC-0266).

ATTACHMENT:

NCR-000292 (ZPMC-0266)

The acceptable RT film comments form CT

Zhao Shuangbao
2009.9.11



AMERICAN BRIDGE/FLUOR ENTERPRISES, a JV

P.O. BOX 23223 Oakland, CA 94623
Phone (510) 419-0120 / Fax (510) 839-0666

NCR PROPOSED RESOLUTION

To: CALTRANS - SAS Superstructure
333 Burma Road
Oakland CA 94607
Attention: Pursell, Gary
Resident Engineer
Ref: 05.03.06-000256
Subject: NCR No. ZPMC-0266

Dated: 03-Aug-2009
Contract No.: 04-0120F4
04-SF-80-13.2 / 13.9
Job Name: SAS Superstructure
Document No.: ABF-NPR-000275 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution: ZPMC has responded to this NCR and has attached documents as evidence of completion. ZPMC requests closure of this NCR.

ZPMC has responded to this NCR and has attached documents as evidence of completion. ZPMC requests closure of this NCR.

Submitted by:

Attachment(s): ABF-NPR-000275R00;

Caltrans' comments:

Status: REJ

Date: 18-Aug-2009

The proposed resolution is not acceptable. In addition to the MT and UT results, please also include the Radiographic Testing (RT) results at this location. The Department will review the Contractor's proposal to close Non-Conformance ZPMC-0266 at that time.

Submitted by: Wright, Doug

Date: 18-Aug-2009

Attachment(s):

DEPARTMENT OF TRANSPORTATION

CHINA FABRICATION TEAM

Room 710, 710 Dangfang Rd., Pudong New District
Shanghai 200120, PRC

REVIEW OF CONTRACTOR'S SUBMITTAL

To: Thomas Nillson, American Bridge/Fluor, a Joint Venture
Gary Pursell, Resident EngineerReview Date: 09-10-09From: Eric Tsang, Structural Materials RepresentativeContract No.: 04-0120F4Date/Time Submittal Received: 08-28-09/0951 hours China Standard Time
(GMT+08:00)Contractor's Transmittal #: AFC-CAL-TRN-003709Rev. # 0

<input checked="" type="checkbox"/>	substantially complies with contract requirements and is approved			
<input type="checkbox"/>	substantially complies with contract requirements and is approved as noted.			
<input type="checkbox"/>	Lacks sufficient information and/or contains unacceptable items that must be corrected or prior to resubmital			
Verbal Notification		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	
		Date:	Time:	
Name of individual from Contractor Notified:				
This submittal is a:	<input type="checkbox"/>	Welding Report	<input type="checkbox"/>	Critical Weld Repair
	<input type="checkbox"/>	Request for Information	<input type="checkbox"/>	Heat Straightening Request
	<input type="checkbox"/>	Fabrication Procedures	<input checked="" type="checkbox"/>	Other: RT OBG Bottom Plates
Submitting Contractor: <u>American Bridge - Fluor, a Joint Venture</u>				
ITEMS REVIEWED	COMPLIES		COMMENTS	
1 RT Film for OBG Plate Panel Splice. ZPMC Transmittal NO. TL-003924, Reports B787-RT- 082R1	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	RT test results for B787-RT-082R1 for 1AE to 1BE Plate Panel Splice welds have been reviewed and appear to be in general compliance with AWS D1.5-2002 and the contract documents.	

Remarks:

Reviewer: Albert CarreonDate: 09-10-09 Construction Concurrence: SJE Initial 9/11/2009 DateReceived by (ABFJV): RosmaryDate: 9/11/09Time: 13:00

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 #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Changxing Island, Shanghai, P.R. China**Report No:** NCS-000417**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 25-Dec-2009**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0266**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component:
Procedural	Procedural	Description:	

Date the Non-Conformance Report was written: 03-Jun-2009**Description of Non-Conformance:**

Caltrans Quality Assurance (QA) Inspector observed ZPMC welding personnel perform SMAW welding on material while it was wet. The weld joint is identified as OBE1-006 (1AE/1BE segment splice).

Contractor's proposal to correct the problem:

Perform NDT verification.

Corrective action taken:

ZPMC provided NDT verification documentation. The weld is found acceptable.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:****Date:****Is Engineer's approval attached?** Yes No**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 Mazen Wahbeh, +(86) 134.7247.7571, who represents the Office of Structural Materials for your project.

Inspected By: Tsang, Eric

Quality Assurance Inspector

Reviewed By: Wahbeh, Mazen

QA Reviewer