

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 #: 69.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Changxing Island, Shanghai, China**Report No:** NCR-000020**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 16-Dec-2007**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0019**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: Tower Mock-up 89 M Skin E
Procedural	Procedural	Descriptor:	

Description of Non-Conformance:

ABF allowed ZPMC to weld in the horizontal (2G) position using four (4) welders that were not qualified or approved by Caltrans. ZPMC welded filler passes with the shielded metal arc welding (SMAW) process on partial joint penetration weld joints # 1 through # 4 at the junction of the Skin E (MUSB-MA38) to the doubler plate SA215.

The unqualified welders observed are as follows:

1. Feng Hua Jun welder ID # 066258, weld joint # 1
2. Wang Jian ID # 067081, weld joint # 2
3. Zhang Wei, ID # 066413, weld joint # 3
4. Li Zai Jun, ID # 037996, weld joint # 4

Applicable reference:

AWS D1.5 (2002) Section 5.22

Who discovered the problem: Alfredo Acuna**Name of individual from Contractor notified:** Nate Lindell**Time and method of notification:** 1300 1/8/08, Verbal**Name of Caltrans Engineer notified:** Ching Chao**Time and method of notification:** 1300 1/8/08, Verbal**QC Inspector's Name:** Fu Yu Hong**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

Unknown at this time.

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, (818) 292-0659, who represents the Office of Structural Materials for your project.

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Inspected By: Ishibashi,Josh

Quality Assurance Inspector

Reviewed By: Wahbeh,Mazen

QA Reviewer



DEPARTMENT OF TRANSPORTATION
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 Enterprises, a JV
375 Burma Road
Oakland CA 94607

Date: 22-Jan-2008

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

Attention: Dave Williams Consultant

Job Name: SAS Superstructure

Document No: 05.03.06-000005

Subject: NCR No. ZPMC-0019

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

Non-Conformance with quality control procedures. Please take appropriate corrective action. Recurrence may require further administrative action.

Non-Conformance with quality control. Records indicate that this is a recurring issue and constitutes a systematic problem in quality control. Within fourteen (14) days, please submit a plan to correct the deficiency.

Material or workmanship is not in compliance with contract requirements.

Enclosed please find the following items:

NCR No: ZPMC-0019

Remarks:

Please see attached NCR # ZPMC-0019.

Transmitted by: Ching Chao

cc: Rick Morrow, Gary Pursell, Peter Siegenthaler, Mark Woods, Jason Tom, Dave Williams, Ching Chao, 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: 05.03.06-000005

Subject: NCR No. ZPMC-0019

Dated: 19-Aug-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000078 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution: The welders specified in the NCR shall be qualified and their certifications shall be submitted for approval.
Please see attached letter.

Submitted by: Kanapicki, Charles
Attachment(s): ABF-NPR-000078R00;

Caltrans' comments:

Status: REJ
Date: 09-Sep-2008

The response is not acceptable. The welders shall be qualified and the certifications shall be provided to the Department for review and approval.

Submitted by: Wright, Doug
Attachment(s):

Date: 09-Sep-2008



American
Bridge

FLUOR

A JOINT VENTURE

August 19, 2008

Reply to: SL-ABF-08-0173

Attention: Gary Pursell

Reference: San Francisco Oakland Bay SAS Bridge Superstructure
Caltrans Contract No. 04-0120F4
ABF Job No. 660110

Subject: NCR# ZPMC-0019

Mr. Pursell:

This letter is issue to provide formal response addressing the proposed resolution to NCR# ZPMC-0019.

ZPMC understands the requirements of AWS D1.5-02 and the Contract Special Provisions for only qualified welders to perform welding on the project. The welders specified in this NCR shall be qualified and their certifications shall be submitted for approval.

Please feel free to contact me directly if you require assistance or further clarification.

Sincerely,

Nate Lindell
Quality Assurance Manager
AMERICAN BRIDGE / FLUOR JV

cc: file

NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000005

Subject: NCR No. ZPMC-0019

Dated: 15-Sep-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000078 **Rev:** 01

Contractor's Proposed Resolution:

Reference Resolution: APPROVED, ACTION PENDING be an option for those NCRs where Caltrans agrees with our proposed resolution but where the actual corrective action and/or supporting documentation is forthcoming.

When setting up this NCR system on PMIV we specifically requested that a status of APPROVED, ACTION PENDING be an option for those NCRs where Caltrans agrees with our proposed resolution but where the actual corrective action and/or supporting documentation is forthcoming.

For the NCRs noted above, Caltrans agrees with our proposals. A status of REJECTED sends the message that the proposal is rejected when in fact what (I think) they are saying is "we agree and we'll close when the proper paperwork comes in."

Submitted by: Kanapicki, Charles

Attachment(s): ABF-NPR-000078R01

Caltrans' comments:

Status: AAP

Date: 23-Sep-2008

The Contractor's understanding of the "Approved Action Pending" status is correct.

Provide documentation to The Department showing that the welders in question have obtained their certification and documentation that the welds they were performing at the time of the NCR have been inspected and are sound. The Department will review the Contractor's proposal to close Non-Conformance ZPMC-0019 at that time.

Submitted by: Prchlik, Aaron

Attachment(s):

Date: 23-Sep-2008

NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000005

Subject: NCR No. ZPMC-0019

Dated: 08-Jan-2009

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000078 Rev: 02

Contractor's Proposed Resolution:

Reference Resolution: ZPMC requests closure of this NCR based on attached documentation.

Please see attached documents.

Submitted by:

Attachment(s): ABF-NPR-000078R02; docs to close this NCR

Caltrans' comments:

Status: CLO

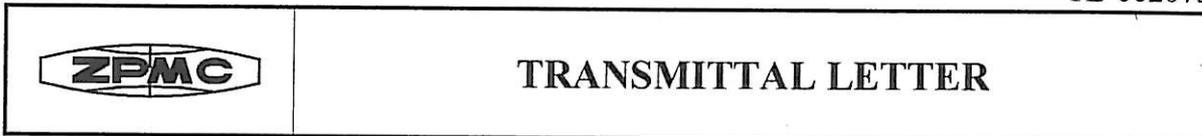
Date: 11-Jan-2009

The proposed resolution is acceptable. Per State Letter 05.03.01-003087 dated December 8, 2008, the 77m and 89m Tower Section Mock-ups were successfully completed. The Department concurs that Non-Conformance ZPMC-0019 is closed.

Submitted by: Wright, Doug

Date: 11-Jan-2009

Attachment(s):



PROJECT: SAN FRANCISCO OAKLAND BAY BRIDGE

DATE: 12/31/2008

TO: RUBY/ ABFJV QA DEPARTMENT

FROM: ZPMC QA DEPARTMENT

SUBJECT: CALTRANS NCR FOR CLOSURE

SUBMITTED FOR YOUR APPROVAL.

ENCLOSED WITH THIS TRANSMITTAL IS ONE

- (1) COPY OF LETTER OF RESPONSE WITH NO.CT-156 FOR CLOSURE.
- (2) COPY OF NCR WITH NUMBER NCR-00020(ZPMC-0019).
- (3) COPY OF WELD QUALIFICATION LIST (BATCH 17&18)

PLEASE SIGN THIS TRANSMITTAL AND RETURN TO ME.

ACKNOWLEDGEMENT:

Em Gilbert

PLAN HOLDER

31-DEC-2008 (10:33)

DATE

ABFJV

COMPANY

PHONE NO.

PLAN NUMBER: N/A
 #R787-QCP-102



No. CT-156

LETTER OF RESPONSE

TO: American Bridge/Flour JV

DATE: 2007-12-30

REGARDING: NCR-00020 (ZPMC-0019)

ZPMC received CT NCR-00020, it mentioned ZPMC welded in the horizontal (2G) position using four welders that were not qualified or approved by Caltrans. ZPMC welded filler passes with the SMAW process on partial joint penetration weld joints at the junction of the Skin E (MUSB-MA38) to the double plate SA215.

ZPMC had checked these welders, they all passed the welder qualification test at 3G position. It showed this position the welder tested at can cover the 1G, 2G, 3G, 1F, 2F and 3F position according to AWS D1.5 2002 chapter 5.22.

With this response, ZPMC provided the welder list approved by Caltrans. All the VT, mechanical test reports were attached in ZPMC transmittal letter TL-0001678. Here ZPMC request Caltrans can close NCR-00020 (ZPMC-0019).

ATTACHMENT:

NCR-00020 (ZPMC-0019)

Weld Qualification List (Batch. 17, 18)

2008-12-31

Craig Knippenberg
Gene Sawton
FAA Manager
2008-12-31

TL-0001678



上海振华港机(集团)股份有限公司
SHANGHAI ZHENHUA PORT MACHINERY CO., LTD

American Bridge/Fluor Company

Date: Oct.09, 2008

Attention: Mr. Steve Lawton

Ref.: ZPMC20081009-01

Cc: Mr. Gang Jiao, Dave Williams, Thomas Nilsson

Subject: Conditional approval of 17th and 18th welder qualification certificates

Mr. Steve:

Since we still didn't get the formal certificates from MOODY shanghai for the welders and welding operators which passed the no. 17th and 18th welder qualification test dated on Aug.15th and Sep.10th separately. Dated on Oct. 8th, all the welder test samples are been tested by Mechanical test.

With the tighten schedule in production, ZPMC proposed the attached support documents which include the VT reports and Mechanical test reports, please review and submit to Caltrans for their conditional approval to use of these welders and weld operators listed on the support documents. All these welder and welding operators are conditionally using on the project for NON-SPCM weld only.

Should you have any questions or doubts, please feel free to contact with me.

Sincerely,

ZPMC

Lu jianhua 陆建华 10/09/08
Quality Assurance Engineer

<input checked="" type="checkbox"/>	APPROVED
<input type="checkbox"/>	APPROVED AS NOTED
<input type="checkbox"/>	RETURNED FOR CORRECTION
Pursuant to Section 5-1.02 of the Standard Specifications State of California	
DEPARTMENT OF TRANSPORTATION Division of Engineering Services Office of Structure Construction	
[Signature] Structure Representative	[Signature] RM 10/9/08 Date

美国海湾大桥焊工证统计(第十七, 十八期)
17, 18TH WELDER QUALIFICATION LIST OF SFOBB PROJECT

焊工姓名 Welder name	试板编号 Test plate no.	焊接方法 Test process	焊接位置 Test position	取证位置 Position qualified	试板厚度 Test plate thickness	SPCM or NON-SPCM	最终合格 Pass/Failed
常展翅 Chang Zhanchi	080902003	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
施建荣 Shi Jianrong	080902005	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
蒯文山 Kuai Wenshan	080902010	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
任金柱 Ren Jinzhu	080902014	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
陈尚春 Chen Shangchun	080902016	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
徐礼广 Xu Liguan	080902018	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
陈培元 Chen Peiyuan	080902019	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
徐长江 Xu Changjiang	080902022	SMAW (4G)	4G	1G, 4G, 1F, 2F .4F	25mm	Non-SPCM	Pass
江秀荣 Jiang Xiurong	080902027	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
李再军 Li Zaijun	080902031	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
王建 Wang Jian	080902032	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
卢世琴 Lu Shiqin	080902041	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
刘子佩 Liu Zipei	080902042	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
何利清 He Liqing	080902043	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
王季云 Wang Jiyun	080902044	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
刘小艳 Liu Xiaoyan	080902045	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
张菱菱 Zhang Lingling	080902046	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
陈勤 Chen Qin	080902047	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
沈小全 Shen Xiaoquan	080902049	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
孙科 Sun Ke	080902050	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
王守芹 Wang Shouqin	080902051	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
张苏芹 Zhang Suqin	080902052	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
葛涛 Ge Tao	080902058	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
郝建祥 Hao Jianxiang	080902064	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
魏兴励 Wei Xingli	080902068	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
张冲 Zhang Chong	080902072	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
张华刚 Zhang Huagang	080902073	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
陆永园 Lu Yongyuan	080902074	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass

美国海湾大桥焊工证统计 (第十七, 十八期)
17, 18TH WELDER QUALIFICATION LIST OF SFOBB PROJECT

焊工姓名 Welder name	试板编号 Test plate no.	焊接方法 Test process	焊接位置 Test position	取证位置 Position qualified	试板厚度 Test plate thickness	SPCM or NON-SPCM	最终合格 Pass/Failed
庄华 Zhuang Hua	080902083	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
黄仁涌 Huang Renyong	080902098	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
王如甲 Wang Rujia	080902100	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
冯华军 Feng Hua jun	080902101	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
邱一连 Qiu Yilian	080902111	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
魏海滨 Wei Haibin	080810001	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
宋大伟 Song Dawei	080810002	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
孙建国 Sun Jianguo	080810004	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
毕传佳 Bi Chuanjia	080810005	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
曹兴龙 Cao Xinglong	080810006	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
许伟 Xu Wei	080810007	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
胡永仓 Hu Yongcang	080810009	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
王玉立 Wang Yuli	080810012	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
王昌明 Wang Changming	080810015	SMAW (4G)	4G	1G, 4G, 1F, 2F , 4F	25mm	Non-SPCM	Pass
仲几兰 Zhong Jilan	080810021	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
季义 Ji Yi	080810022	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
高敏 Gao Min	080810023	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
李新平 Li Xinping	080810025	SMAW FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
王奉春 Wang Fengchun	080810029	SMAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
郭陆军 Guo Lujun	080810030	SMAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
曹恒宣 Cao Hengxuan	080810031	SMAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
刘须闯 Liu Xuchuang	080810033	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
贾广富 Jia Guangfu	080810034	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
焦腾 Jiao Teng	080810035	SMAW FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
刘银霞 Liu Yinxia	080810039	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
金正虎 Jin Zhenghu	080810043	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
蒋茂芳 Jiang Maofang	080810044	FCAW	3G	1G, 2G, 3G, 1F , 2F, 3F	25mm	Non-SPCM	Pass
邹小华 Zhou Xiaohua	080810047	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass

VT ch
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TC-2

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VT ch
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美国海湾大桥焊工证统计(第十七, 十八期)

17, 18TH WELDER QUALIFICATION LIST OF SFOBB PROJECT

焊工姓名 Welder name	试板编号 Test plate no.	焊接方法 Test process	焊接位置 Test position	取证位置 Position qualified	试板厚度 Test plate thickness	SPCM or NON-SPCM	最终合格 Pass/Failed
洪亮 Hong Liang	080810055	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
王学波 Wang Xuebo	080810057	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
陈仁直 Chen Renzhi	080810059	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
张彩美 Zhang Cai mei	080810060	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
王利 Wang Li	080810063	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
路亮 Lu Liang	080810068	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
王公值 Wang Gongzhi	080810072	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
邵明主 ShaoMingzhu	080810074	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
周佃勤 Zhou Dianqin	080810075	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
余爱霞 Yu Aixia	080810078	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
袁同芝 Yuan Tongzhi	080810082	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
董玉梅 Dong Yumei	080810085	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
罗志美 Luo Zhimei	080810086	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
杨国平 Yang Guoping	080810087	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
曹来寅 Cao lai yin	080810091	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
彭培彬 Peng Peibin	080810095	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
徐小兵 Xu Xiaobing	080810100	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
姜传凯 Jiang Chuankai	080810103	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
张启枚 Zhang Qimei	080810104	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
卜雪珍 Bu Xue zhen	080810106	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
江秀芳 Jiang Xiufang	080810107	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
张秋英 Zhang Qiuying	080810108	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
木敬芬 Mu Jingfen	080810109	SAW	1G	1G, 1F, 2F	25mm	Non-SPCM	Pass
冯华军 Feng Huajun	080810110	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
臧伟 Zang Wei	080810112	SMAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
朱德庆 Zhu Deqing	080810115	? FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
吴志忠 Wu Zhizhong	080810116	? FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass
张素梅 Zhang Sumei	080810028	FCAW	3G	1G, 2G, 3G, 1F .2F, 3F	25mm	Non-SPCM	Pass

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APPROVED AS NOTED
 RETURNED FOR CORRECTION
 Refer to Section 5-1.02
 of the Standard Specifications
 State of California
 DEPARTMENT OF TRANSPORTATION
 Division of Engineering Service
 Office of Structure Construction
 10/11/18



DEPARTMENT OF TRANSPORTATION
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 Enterprises, a JV
375 Burma Road
Oakland CA 94607

Date: 22-Jan-2008

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

Attention: Dave Williams Consultant

Job Name: SAS Superstructure

Document No: 05.03.06-000005

Subject: NCR No. ZPMC-0019

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

- Non-Conformance with quality control procedures. Please take appropriate corrective action. Recurrence may require further administrative action.
- Non-Conformance with quality control. Records indicate that this is a recurring issue and constitutes a systematic problem in quality control. Within fourteen (14) days, please submit a plan to correct the deficiency.
- Material or workmanship is not in compliance with contract requirements.

Enclosed please find the following items:

NCR No: ZPMC-0019

Remarks:

Please see attached NCR # ZPMC-0019.

Transmitted by: Ching Chao

cc: Rick Morrow, Gary Pursell, Peter Siegenthaler, Mark Woods, Jason Tom, Dave Williams, Ching Chao, Ching Chao

File: 05.03.06

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 #: 69.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT**

Location: Changxing Island, Shanghai, China

Report No: NCR-000020

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 16-Dec-2007

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

NCR #: ZPMC-0019

Type of problem:Welding Concrete Other Welding Curing Procedural

Bridge No: 34-0006

Joint fit-up Coating Other

Component: Tower Mock-up 89 M Skin E

Procedural Procedural Descripton: **Description of Non-Conformance:**

ABF allowed ZPMC to weld in the horizontal (2G) position using four (4) welders that were not qualified or approved by Caltrans. ZPMC welded filler passes with the shielded metal arc welding (SMAW) process on partial joint penetration weld joints # 1 through # 4 at the junction of the Skin E (MUSB-MA38) to the doubler plate SA215.

The unqualified welders observed are as follows:

1. Feng Hua Jun welder ID # 066258, weld joint # 1
2. Wang Jian ID # 067081, weld joint # 2
3. Zhang Wei, ID # 066413, weld joint # 3
4. Li Zai Jun, ID # 037996, weld joint # 4

Applicable reference:

AWS D1.5 (2002) Section 5.22

Who discovered the problem: Alfredo Acuna

Name of individual from Contractor notified: Nate Lindell

Time and method of notification: 1300 1/8/08, Verbal

Name of Caltrans Engineer notified: Ching Chao

Time and method of notification: 1300 1/8/08, Verbal

QC Inspector's Name: Fu Yu Hong

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

Unknown at this time.

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, (818) 292-0659, who represents the Office of Structural Materials for your project.

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Inspected By: Ishibashi, Josh

Quality Assurance Inspector

Reviewed By: Wahbeh, Mazen

QA Reviewer

DEPARTMENT OF TRANSPORTATION

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Changxing Island, Shanghai, China**Report No:** NCS-000178**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 22-Jan-2009**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0019**Type of problem:**

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

Date the Non-Conformance Report was written: 16-Dec-2007**Description of Non-Conformance:**

ABF allowed ZPMC to weld in the horizontal (2G) position using four (4) welders that were not qualified or approved by Caltrans. ZPMC welded filler passes with the shielded metal arc welding (SMAW) process on partial joint penetration weld joints #1 through #4 at the junction of the Skin E (MUSB-MA38) to the doubler plate SA215.

The unqualified welders observed are as follows:

1. Feng Hua Jun, welder ID #066258, weld joint #1
2. Wang Jian, welder ID #067081, weld joint #2
3. Zhang Wei, welder ID #066413, weld joint #3
4. Li Zai Jun, welder ID #037996, weld joint #4

Contractor's proposal to correct the problem:

The welders specified in the NCR shall be qualified and their certifications shall be submitted for approval.

Corrective action taken:

ZPMC has submitted a log of qualified welders indicating that Feng Hua Jun (ID #066258), Wang Jian (ID #067081), Zhang Wei (ID #066413), and Li Zai Jun (ID #037996) have passed the welder qualification test in the vertical (3G) position. In accordance with AWS D1.5 2002, Section 5.22, the qualification test in the 3G position qualifies a welder to weld in 1G, 2G, 3G, 1F, 2F, & 3F positions.

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 Serge Sinevod, (86) 134-8257-0045, who represents the Office of Structural Materials for your project.

QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION

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Inspected By: Sinevod,Serge

Quality Assurance Inspector

Reviewed By: Wahbeh,Mazen

QA Reviewer