

**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-000550

**Prime Contractor:** American Bridge/Fluor Enterprises, a JV

**Date:** 16-Dec-2009

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

**NCR #:** ZPMC-0523

### Type of problem:

<b>Welding</b>	<b>Concrete</b>	<b>Other</b>	
<b>Welding</b>	<b>Curing</b>	<b>Procedural</b>	<b>Bridge No:</b> 34-0006
<b>Joint fit-up</b>	<b>Coating</b>	<b>Other</b>	<b>Component:</b> OBG Segment 9AW
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b>	

**Reference Description:** Base Metal Repairs without Engineer's Approval, Segment 9AW

### Description of Non-Conformance:

During a random in-process visual inspection at Segment 9AW of Side Panel (SP) temporary attachment removal areas, the Caltrans Quality Assurance (QA) Inspector observed ZPMC personnel performing excavations and Shielded Metal Arc Welding (SMAW) for approximately fifty (50) base metal repairs on SP's without prior approval of the Engineer.

- 1) The Side Plates were identified as: SP105A, SP132A and SP159A
- 2) The un-approved base metal repairs were located between PP72 and PP73 on the Counter Weight side.
- 3) These base metal repairs were caused by removal of temporary attachments.
- 4) ZPMC performed base metal repairs without the prior approval of the Engineer.



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# QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

( Continued Page 2 of 2 )

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### Applicable reference:

Special Provisions 8-3.01: "The Engineer shall be notified immediately in writing when welding problems, deficiencies, base metal repairs, or any other type of repairs not submitted in the WQCP are discovered and also of the proposed repair procedures to correct them. For requests to perform repairs, The contractor shall include an engineering evaluation of the proposed repair."

ZPMC Welding Quality Control Plan, Section 9.2.1.2: "Prior approval of the Engineer shall be obtained for repairs to base metal other than what was identified in Section 9.2.1.1 of this manual and the repair of all other cracks."

AWS D1.5/2002, Section 3.7.4: "Prior approval of the Engineer shall be obtained for repairs to base metal, repair of major or delayed cracks, repairs to ESW and EGW welds with internal defects, or for revised design to compensate for deficiencies."

**Who discovered the problem:** Subhasis Bera  
**Name of individual from Contractor notified:** Steve Lawton  
**Time and method of notification:** 1345 hours, 12-16-09, Verbal  
**Name of Caltrans Engineer notified:** Bill Howe  
**Time and method of notification:** 1500 hours, 12-18-09, Verbal  
**QC Inspector's Name:** Li Yan Hue  
**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 Eric Tsang, 15000422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Guest,Skylar	SMR
<b>Reviewed By:</b>	Wahbeh,Mazen	SMR

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**DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge**

333 Burma Road  
Oakland CA 94607  
Tel: Fax:

**NON-CONFORMANCE REPORT TRANSMITTAL**

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

**Date:** 24-Dec-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:** 05.03.06-000511

**Subject:** NCR No. ZPMC-0523

**Reference Description:** Base Metal Repairs without Engineer's Approval, Segment 9AW

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:** 09

**Remarks:**

During a random in-process visual inspection at Segment 9AW of Side Panel (SP) temporary attachment removal areas, the Caltrans Quality Assurance (QA) Inspector observed ZPMC personnel performing excavations and Shielded Metal Arc Welding (SMAW) for approximately fifty (50) base metal repairs on SP's without prior approval of the Engineer.

- 1) The Side Plates were identified as: SP105A, SP132A and SP159A
- 2) The un-approved base metal repairs were located between PP72 and PP73 on the Counter Weight side.
- 3) These base metal repairs were cause by removal of temporary attachments.
- 4) ZPMC performed base metal repairs without the prior approval of the Engineer.

**Action Required and/or Action Taken:**

Submit a repair procedure to the engineer for approval. A response for the resolution of this issue is expected within 7 days.

**Transmitted by:** Bill Howe

**Attachments:** ZPMC-0523

**cc:** Rick Morrow, Gary Pursell, Peter Siegenthaler, Stanley Ku, Brian Boal, Jason Tom, Contract Files, 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:** 05.03.06-000511

**Subject:** NCR No. ZPMC-0523

**Dated:** 11-Jan-2010

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

**Job Name:** SAS Superstructure

**Document No.:** ABF-NPR-000461 Rev: 00

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### Contractor's Proposed Resolution:

**Reference Resolution:** A system has now been implemented whereas the Engineer is notified verbally prior to performing base metal repair welding. ZPMC will document the locations of weld repairs on the WRR form.

ABF, ZPMC and CT have discussed these temporary attachment removal areas regarding repairs after removal of the temporary attachments. ABF and ZPMC understood that procedure TA100 was an engineering approval of repairs as this document is approved by Engineering and the procedure references repairs in accordance with approved WPS's. A system has now been implemented whereas the Engineer is notified verbally prior to performing base metal repair welding. ZPMC will document the locations of weld repairs on the WRR form. The WRR will specifically incorporate a weld repair disposition including inspections prior to and after welding agreed to by CT, ABF and ZPMC. The CWR must be present at the jobsite with the WRR where these repairs are being performed. ZPMC requests closure of this NCR.

**Submitted by:** Lawton, Steve

**Attachment(s):** ABF-NPR-000461R00;

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### Caltrans' comments:

**Status:** REJ

**Date:** 11-Jan-2010

Submit verification that the repair passed NDT.

**Submitted by:** Howe, Bill

**Date:** 11-Jan-2010

**Attachment(s):**



No. B-546

## LETTER OF RESPONSE

**TO: American Bridge/Flour**

**DATE: 2010-1-4**

**REGARDING: NCR-000550(ZPMC-0523)**

With this letter of response, ZPMC requests withdraw of CALTRANS NCR-000550(ZPMC-0523) what mentioned that QA observed base metal repairs without the Engineer's approval.

The QA inspector discovered this issue and awarded this was non SPCM base metal repair after removal of temporary attachments. Before ZPMC performed such repairing work, ZPMC has got an approved repair procedure. So ZPMC think a misunderstanding of the requirement to notify the engineer prior to base metal repair occurred.

So ZPMC provides the Temporary Attachment Removal Procedure, hoping CALTRANS could take a review and consider **withdraw** this NCR.

**ATTACHMENT:**

NCR-000550(ZPMC-0523)

Temporary Attachment Removal Procedure

*Zhang Wei*

DEPARTMENT OF TRANSPORTATION  
DIVISION OF ENGINEERING SERVICES  
Office of Structural Materials  
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Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
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Contract #: 04-0120F4  
Cty: SF/ALA Rte: 80 PM: 13.2/13.9  
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**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT**

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

Report No: NCR-000550

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 16-Dec-2009

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

NCR #: ZPMC-0523

Type of problem:

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

Bridge No: 34-0006

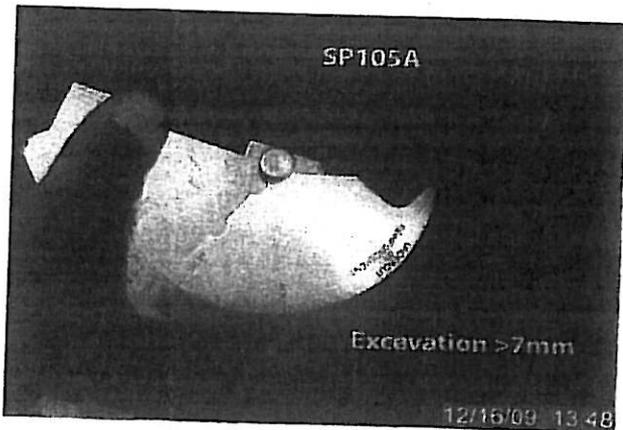
Component: OBG Segment 9AW

Reference Description: Base Metal Repairs without Engineer's Approval, Segment 9AW

Description of Non-Conformance:

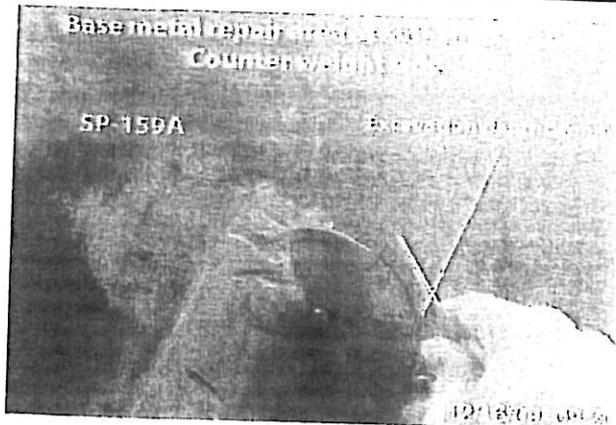
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- 1) The Side Plates were identified as: SP105A, SP132A and SP159A
- 2) The un-approved base metal repairs were located between PP72 and PP73 on the Counter Weight side.
- 3) These base metal repairs were caused by removal of temporary attachments.
- 4) ZPMC performed base metal repairs without the prior approval of the Engineer.



# QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)



### Applicable reference:

Special Provisions 8-3.01: "The Engineer shall be notified immediately in writing when welding problems, deficiencies, base metal repairs, or any other type of repairs not submitted in the WQCP are discovered and also of the proposed repair procedures to correct them. For requests to perform repairs, The contractor shall include an engineering evaluation of the proposed repair."

ZPMC Welding Quality Control Plan, Section 9.2.1.2: "Prior approval of the Engineer shall be obtained for repairs to base metal other than what was identified in Section 9.2.1.1 of this manual and the repair of all other cracks."

AWS D1.5/2002, Section 3.7.4: "Prior approval of the Engineer shall be obtained for repairs to base metal, repair of major or delayed cracks, repairs to ESW and EGW welds with internal defects, or for revised design to compensate for deficiencies."

**Who discovered the problem:** Subhasis Bera  
**Name of individual from Contractor notified:** Steve Lawton  
**Time and method of notification:** 1345 hours, 12-16-09, Verbal  
**Name of Caltrans Engineer notified:** Bill Howe  
**Time and method of notification:** 1500 hours, 12-18-09, Verbal  
**QC Inspector's Name:** Li Yan Hue  
**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 Eric Tsang, 15000422372, who represents the Office of Structural Materials for your project.

**Inspected By:** Guest,Skylar  
**Reviewed By:** Wahbeh,Mazen

SMR  
SMR



DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge  
 333 Burma Road  
 Oakland CA 94607  
 Tel: Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

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

Date: 24-Dec-2009

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

Dear: Mr. Charles Kanapicki  
 Attention: Mr. Thomas Nilsson Project/Fabrication Manager  
 Subject: NCR No. ZPMC-0523

Job Name: SAS Superstructure  
 Document No: 05.03.06-000511

Reference Description: Base Metal Repairs without Engineer's Approval, Segment 9AW

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: 09

Remarks:

During a random in-process visual inspection at Segment 9AW of Side Panel (SP) temporary attachment removal areas, the Caltrans Quality Assurance (QA) Inspector observed ZPMC personnel performing excavations and Shielded Metal Arc Welding (SMAW) for approximately fifty (50) base metal repairs on SP's without prior approval of the Engineer.

- 1) The Side Plates were identified as: SP105A, SP132A and SP159A
- 2) The un-approved base metal repairs were located between PP72 and PP78 on the Counter Weight side.
- 3) These base metal repairs were caused by removal of temporary attachments.
- 4) ZPMC performed base metal repairs without the prior approval of the Engineer.

Action Required and/or Action Taken:

Submit a repair procedure to the engineer for approval. Response for the resolution of this issue is expected within 7 days.

Transmitted by: Bill Howe

Attachments: ZPMC-0523

cc: Rick Morrow, Gary Pursell, Peter Siegenthaler, Stanley Ku, Brian Boal, Jason Tom, Contract Files, Ching Chao  
 File: 05.03.06

02.02:15.04

05.03.06-000511.NCT

Received  
 NCT-000511 24 Dec 09

## NCR PROPOSED RESOLUTION

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

**Attention:** Pursell, Gary  
Resident Engineer

**Ref:** 05.03.06-000511

**Subject:** NCR No. ZPMC-0523

**Dated:** 10-Feb-2010

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

**Job Name:** SAS Superstructure

**Document No.:** ABF-NPR-000461 Rev: 01

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**Contractor's Proposed Resolution:**

**Reference Resolution:** ZPMC is providing NDT documentation of the base metal after repairs to show that it is acceptable. In the future prior notification will be given to Caltrans to prevent this from occurring again.

ZPMC is providing NDT documentation of the base metal after repairs to show that it is acceptable. In the future prior notification will be given to Caltrans to prevent this from occurring again. ZPMC requests that this NCR be closed.

**Submitted by:** Ishibashi, Joshua

**Attachment(s):** ABF-NPR-000461R01;

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**Caltrans' comments:**

**Status:** CLO

**Date:** 17-Feb-2010

The documentation received is sufficient to close this NCR.

**Submitted by:** Howe, Bill

**Date:** 18-Feb-2010

**Attachment(s):**



No. B-607

## LETTER OF RESPONSE

**TO: American Bridge/Flour**

**DATE: 2010-2-10**

**REGARDING: NCR-00550 (ZPMC-0523)**

With this letter of response, ZPMC requests closure of CT NCR-0000550 (ZPMC-0523), what mentioned that CT Inspector observed unapproved base metal repairs on 9AW.

- These base metal repairs were being performed in way of temporary attachment removal areas. A misunderstanding for the requirement to get approval by Engineer prior to base metal repair occurred by ZPMC.
- ZPMC acknowledged this problem and has issued internal NCR. Meeting, regarding to base metal repair procedure was taken by ZPMC, ABF together with CT to clear this procedure. For such case, WRR will be issued prior to welding in future.
- ZPMC QA department has issued Inter Work Report to emphasize this requirement of base metal repair.
- To warrant the quality, VT & MT were performed for these repair area.

Based on the taken actions and responses above, ZPMC requests closure of this NCR.

**ATTACHMENT:**

NCR-00550 (ZPMC-0523)

NCR-B-360(ZPMC-0523)

B787-MT-18755

B-VT-52086

*Jeff*  
*2/10/10*



# 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 编号: NCR-B-360(ZPMC-0523)

Item: Unapproved base metal repair  
 名称描述: 未进批准母材返修  
 Item Number:  
 件号: 9AW  
 Drawing:  
 图号: 9AW

Location: 9AW  
 位置:  
 Date:  
 日期: 2009-01-05

### Description of Nonconformance:

#### 不符合项状态描述:

During random in-process visual inspection at 9AW of Side Panel temporary attachment removal areas, The CT inspector observed ZPMC personnel performing excavations and SMAW for approximately fifty base metal repairs on SP's without prior approval of the Engineer.

1. the side plates were identified as: SP105A, SP132A & SP159A.
2. The unapproved base metal repairs were located between PP72 & PP73 on CW side.
3. These base metal repairs were cause by removal temporary attachments.
4. ZPMC performed base metal repairs without the prior approval of the Engineer.

加州在对 9AW 的随机目检中发现, ZPMC 在对临时件移除损伤母材位置进行打磨以及返修。这些返修位置分布在斜底板上, 共约 50 处, 且没有得到工程师的批准。

- 1、斜底板编号: SP105A, SP132A 和 SP159A。
- 2、位于 PP72 和 PP73 之间, 靠近配重块侧。
- 3、这些母材返修是由于临时件移除导致。
- 4、ZPMC 在进行返修前, 没有得到工程师批准。

Work By: 胡国兴 Prepared by: 1/5/10 Reviewed by QCE: zhao shuang  
 施工方: 胡国兴 准备: 1/5/10 质量工程师批准: zhao shuang  
 Drawing Error  Material Defect  Fabrication Error  Other 1.5  
 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:

Prepared by: \_\_\_\_\_ Approved by QCA: \_\_\_\_\_  
 准备 质量经理批准

### Reason for Nonconformance:

不符合原因: 9AW 临时件移除损伤母材位置进行打磨  
 以及返修时没有得到工程师的批准。  
 After removing 9AW temporary attachment, repair base metal without engineer approved.

Prevention of Re-occurrence:

预防措施:

1. 加强对临时附件拆除位置返修、打磨的监督。
  2. 凡返修工作必须得到工程师批准不准自行返修、打磨。
1. Enhance supervision repair at temporary attachment.
  2. Forbide repairing and grinding without engineer approved.

Approved by/批准:

*[Signature]*

Technical Justification for Use-As-Is/Repair:  Attachment

Non-attachment

回用或返修的技术依据:

附件

无附件

请按焊缝返修报告 WR-9815 操作。

Perform repair in accordance with WR-9815 (Repair Welding Report)

Reviewed /批准:

*Tang Yongbo*

Verification:

Acceptable

Unacceptable

确认:

可接受

不可接受

Verified by QCI/质检确认:

*Li Jianhua*

Reviewed by QCA/质检主任审核:

DEPARTMENT OF TRANSPORTATION  
DIVISION OF ENGINEERING SERVICES  
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690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
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Contract #: 04-0120F4  
City: 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-000550

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 16-Dec-2009

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

NCR #: ZPMC-0523

Type of problem:

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

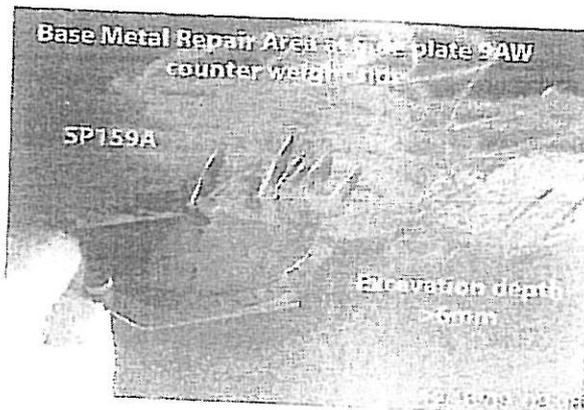
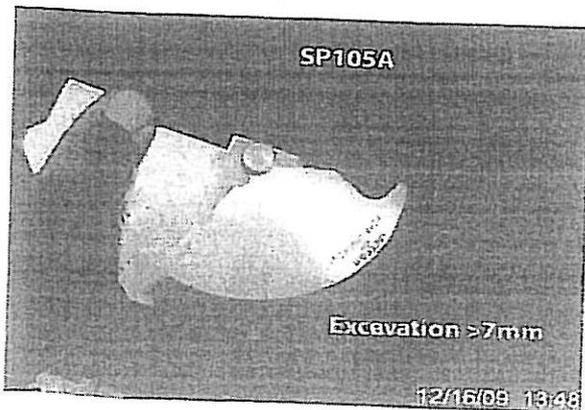
Bridge No: 34-0006  
Component: OBG Segment 9AW

Reference Description: Base Metal Repairs without Engineer's Approval, Segment 9AW

Description of Non-Conformance:

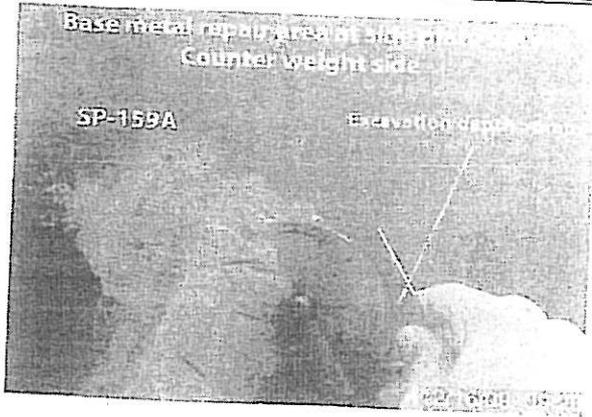
During a random in-process visual inspection at Segment 9AW of Side Panel (SP) temporary attachment removal areas, the Caltrans Quality Assurance (QA) Inspector observed ZPMC personnel performing excavations and Shielded Metal Arc Welding (SMAW) for approximately fifty (50) base metal repairs on SP's without prior approval of the Engineer.

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## QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)



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 Name of Caltrans Engineer notified: Bill Howe  
 Time and method of notification: 1500 hours, 12-18-09, Verbal  
 QC Inspector's Name: Li Yan Hue  
 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 Eric Tsang, 15000422372, who represents the Office of Structural Materials for your project.

Inspected By: Guest, Skyler	SMR
Reviewed By: Wahbeh, Mazen	SMR

B-V752086



**Visual Weld Inspection Report**  
**焊缝目视检查报告**

Caltrans Contract No. 加州合同编号 04-0120F4		Girder/梁: OBG PlatePanelSplice		周数 117#									
Project No.: 项目名称 San Francisco Oakland Bay Bridge 海湾大桥		Tower/塔:		日期 2010.01.28									
Project No.: 项目 ZP06-787		Representative: 质检代表: [Signature]											
Project No.: 项目 ZP06-787		CWI: 检验员: [Signature]											
Project No.: 项目 ZP06-787		Quality Assurance Manager ~Approval 质量控制经理: [Signature]											
Weld No. 缝编号	Welder I.D.# 焊工工识别号	Location 位置	Welding consumables 焊接材料	Undercut 咬边	Porosity 气孔	Over lap 焊瘤	Crater 弧坑	Arc strike 弧擦伤	Spatters 飞溅	Crack 裂纹	Accept or Reject 接受或拒收	Repair 返修	or Reject after repair 返修后
NA	067656	4G	TL508 (H4) (Φ4.0)	✓	✓	✓	✓	✓	✓	✓	ACC	NA	NA
<input type="checkbox"/> After root weld <input checked="" type="checkbox"/> After CWR or WRR No.: 9AW 3012086 <input type="checkbox"/> After HSR No.: <input type="checkbox"/> Others													

#R787-QCP-603

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



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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, P.R. China**Report No:** NCS-000515**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 11-Feb-2010**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0523**Type of problem:**

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

**Date the Non-Conformance Report was written:** 16-Dec-2009**Description of Non-Conformance:**

During a random in-process visual inspection at Segment 9AW of Side Panel (SP) temporary attachment removal areas, the Caltrans Quality Assurance (QA) Inspector observed ZPMC personnel performing excavations and Shielded Metal Arc Welding (SMAW) for approximately fifty (50) base metal repairs on SP's without prior approval of the Engineer.

- 1) The Side Plates were identified as: SP105A, SP132A and SP159A
- 2) The un-approved base metal repairs were located between PP72 and PP73 on the Counter Weight side.
- 3) These base metal repairs were caused by removal of temporary attachments.
- 4) ZPMC performed base metal repairs without the prior approval of the Engineer.

**Contractor's proposal to correct the problem:**

Perform required NDT to verify base metal repairs are in conformance with Contract specifications.

**Corrective action taken:**

Contractor submitted appropriate NDT reports verifying the repair areas are in conformance with Contract requirements. Per discussion in China, the Contractor will have a WRR on site for all future base metal repairs resulting from the removal of temporary attachments on non SPCM materials, and provide the Department with verbal notification prior to performing NDT as well as after Quality Control (QC) has accepted repairs. The Contractor also issued an internal NCR in regards to this issue.

**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 Jim Simonis 152. 1675.3703, who represents the Office

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## QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION

( Continued Page 2 of 2 )

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of Structural Materials for your project.

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**Inspected By:** Simonis,Jim

Quality Assurance Inspector

**Reviewed By:** Wahbeh,Mazen

QA Reviewer

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