

**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-000749  
**Prime Contractor:** American Bridge/Fluor Enterprises, a JV **Date:** 28-May-2010  
**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0712

**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 10CE U-Rib Deck Panel
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b> Missed MT transverse indication by QC	

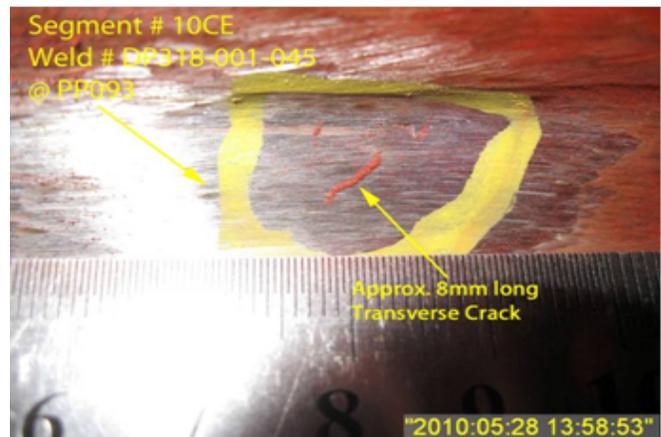
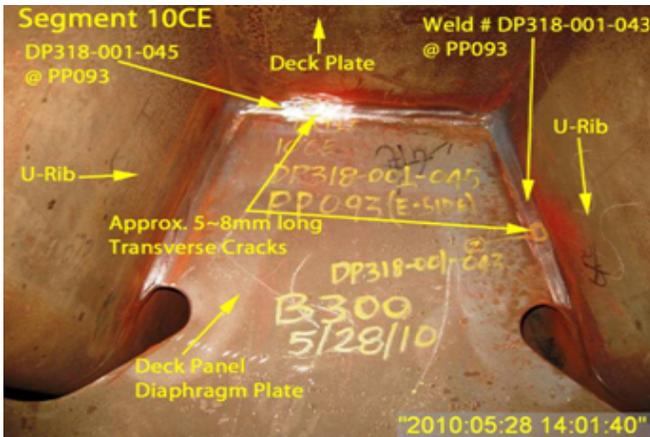
**Reference Description:** Missed MT transverse indications by QC on Segment 10CE U-Rib Deck Panel to Diaphragm Weld at PP93

**Description of Non-Conformance:**

During the Quality Assurance (QA) Magnetic Particle Testing (MT) review of welds located on Segment 10CE, this QA Inspector discovered the following issues:

- Two (2) Transverse linear cracks measuring approximately 5~8 mm in length.
- The welds are identified as DP318-001-045 & DP318-001-043 at PP93.
- The welds are Fillet Weld T-joints, joining the Deck Plate (DP318) to Deck Panel Diaphragm plate & Deck Plate (DP318) to the U-Rib.
- OBG segment 10CE is located at the front side of OBG Paint shop.

The Notice of Witness Inspection Number (NWIT) is 005832. The indication is located inside the area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. ZPMC's QC personnel perform one hundred (100%) percent MT inspection of this weld.



**Applicable reference:**

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## QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

( Continued Page 2 of 2 )

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Special Provisions Section 8.3 – “Quality Control (QC) shall be the responsibility of the Contractor. As a minimum, the Contractor shall perform inspection and testing of each weld joint prior to welding, during welding, and after welding as specified in this section and to ensure that materials and workmanship conform to the requirements of the contract documents.”

AWS D1.5 (02) Section 6.26.2 – “Welds that are subject to MT in addition to visual inspection shall have no cracks.

**Who discovered the problem:** Vikram Singh

**Name of individual from Contractor notified:** Peter Shaw

**Time and method of notification:** 1830 hours, 05/28/10, Email

**Name of Caltrans Engineer notified:** Stanley Ku, Sean Eagen

**Time and method of notification:** 1900 hours, 05/28/10, Email

**QC Inspector's Name:** Wang Lu

**Was QC Inspector aware of the problem:** Yes No

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

N/A

**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.

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<b>Inspected By:</b>	Tsang, Eric	SMR
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<b>Reviewed By:</b>	Devey, Jim	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:** 31-May-2010

**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:** 05.03.06-000705

**Subject:** NCR No. ZPMC-0712

**Reference Description:** Missed MT transverse indications by QC on Segment 10CE U-Rib Deck Panel to Diaphragm Weld at PP93

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:** 10

**Remarks:**

During the Quality Assurance (QA) Magnetic Particle Testing (MT) review of welds located on Segment 10CE, this QA Inspector discovered the following issues:

- Two (2) Transverse linear cracks measuring approximately 5~8 mm in length.
- The welds are identified as DP318-001-045 & DP318-001-043 at PP93.
- The welds are Fillet Weld T-joints, joining the Deck Plate (DP318) to Deck Panel Diaphragm plate & Deck Plate (DP318) to the U-Rib.

-OBG segment 10CE is located at the front side of OBG Paint shop.

The Notice of Witness Inspection Number (NWIT) is 005832. The indication is located inside the area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. ZPMC's QC personnel perform one hundred (100%) percent MT inspection of this weld.

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

Propose a resolution for the identified non-conformance with revised procedures to prevent future occurrences. A response for the resolution of this issue is expected within 7 days.

**Transmitted by:** Sean Eagen Transportation Engineer

**Attachments:** ZPMC-0712

**cc:** Rick Morrow, Gary Pursell, Peter Siegenthaler, Stanley Ku, Brian Boal, Jason Tom, Contract Files, Ching Chao, Bill Casey

**File:** 05.03.06

## NCR PROPOSED RESOLUTION

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

**Attention:** Pursell, Gary  
Resident Engineer

**Ref:** 05.03.06-000705

**Subject:** NCR No. ZPMC-0712

**Dated:** 11-Jun-2010

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

**Job Name:** SAS Superstructure

**Document No.:** ABF-NPR-000691 Rev: 00

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### Contractor's Proposed Resolution:

**Reference Resolution:** ZPMC has repaired the indications and is providing the NDT after to show it is acceptable. Based on that ZPMC requests closure of this NCR.

ZPMC has repaired the indications and is providing the NDT after to show it is acceptable. Based on that ZPMC requests closure of this NCR. Also note that weld IDs identified in the NCR were incorrect. The correct weld IDs have been noted in the NDT reports.

**Submitted by:** Ishibashi, Joshua

**Attachment(s):** ABF-NPR-000691R00;

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### Caltrans' comments:

**Status:** AAP

**Date:** 14-Jun-2010

Weld ID DP318-001-003 noted in this NPR is a closed rib to DP weld while Weld ID DP318-001-043 noted in the NCR and shown in the photos of the NCR is a closed rib to DP Diaphragm weld. As such, the NDT report provided for DP318-001-003 is not applicable to this NCR. This proposed resolution is accepted, action pending. Please provide NDT results for Weld ID DP318-001-043.

**Submitted by:** Eagen, Sean

**Attachment(s):**

**Date:** 14-Jun-2010



No. B-786

## LETTER OF RESPONSE

**TO: American Bridge/Flour**

**DATE: 2010-6-10**

**REGARDING: NCR-000749(ZPMC-0712)**

ZPMC acknowledged that these indications were missed. ZPMC is providing NDT record which shows that these welds are now acceptable after repair. Please be noticed the correct weld ID should be DP318-001-003 instead of DP318-001-045 in NCR. Based on this ZPMC is requesting closure of this NCR.

**ATTACHMENT:**

NCR-000749(ZPMC-0712)

B-787-MT-23606

B-787-MT-23606R1

*Zhang Wei*  
*6/10/10.*



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:** 31-May-2010

**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:** 05.03.06-000705

**Subject:** NCR No. ZPMC-0712

**Reference Description:** Missed MT transverse indications by QC on Segment 10CE U-Rib Deck Panel to Diaphragm Weld at PP93

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:** 10

### Remarks:

During the Quality Assurance (QA) Magnetic Particle Testing (MT) review of welds located on Segment 10CE, this QA Inspector discovered the following issues:

- Two (2) Transverse linear cracks measuring approximately 5-8 mm in length.
- The welds are identified as DP318-001-045 & DP318-001-043 at PP93.
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-OBG segment 10CE is located at the front side of OBG Paint shop.

The Notice of Witness Inspection Number (NWIT) is 005832. The indication is located inside the area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. ZPMC's QC personnel perform one hundred (100%) percent MT inspection of this weld.

### Action Required and/or Action Taken:

Propose a resolution for the identified non-conformance with revised procedures to prevent future occurrences. A response for the resolution of this issue is expected within 7 days.

**Transmitted by:** Sean Eagen Transportation Engineer

**Attachments:** ZPMC-0712

**cc:** Rick Morrow, Gary Pursell, Peter Siegenthaler, Stanley Ku, Brian Boal, Jason Tom, Contract Files, Ching Chao, Bill Casey

**File:** 05.03.06

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 DIVISION OF ENGINEERING SERVICES  
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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-000749

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

**Date:** 28-May-2010

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

**NCR #:** ZPMC-0712

**Type of problem:**

**Welding**  **Concrete**  **Other**

**Welding**  **Curing**  **Procedural**  **Bridge No:** 34-0006

**Joint fit-up**  **Coating**  **Other**  **Component:** OBG Segment 10CE U-Rib Deck Panel

**Procedural**  **Procedural**  **Description:** Missed MT transverse indication by QC

**Reference Description:** Missed MT transverse indications by QC on Segment 10CE U-Rib Deck Panel to Diaphragm Weld at PP93

**Description of Non-Conformance:**

During the Quality Assurance (QA) Magnetic Particle Testing (MT) review of welds located on Segment 10CE, this QA Inspector discovered the following issues:

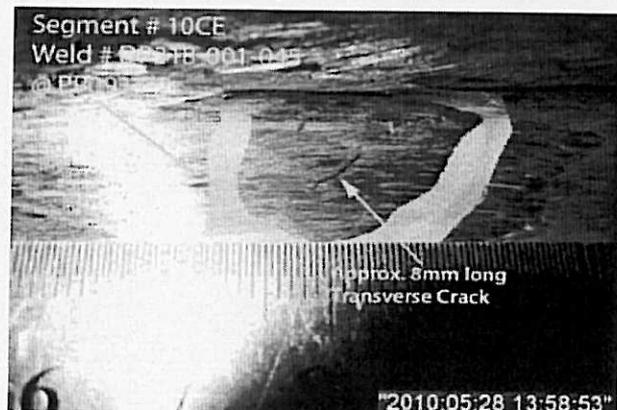
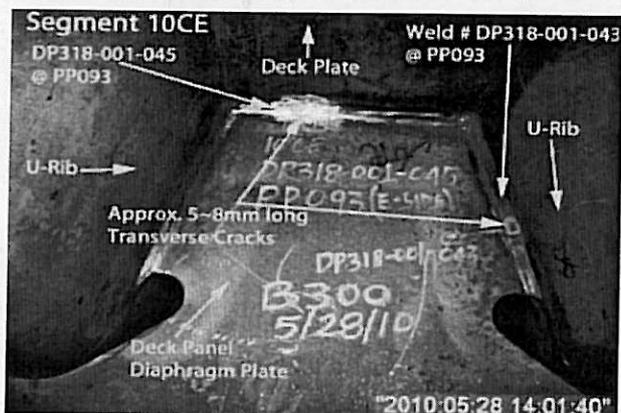
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-OBG segment 10CE is located at the front side of OBG Paint shop.

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**Applicable reference:**

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## QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

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Special Provisions Section 8.3 -- "Quality Control (QC) shall be the responsibility of the Contractor. As a minimum, the Contractor shall perform inspection and testing of each weld joint prior to welding, during welding, and after welding as specified in this section and to ensure that materials and workmanship conform to the requirements of the contract documents."

AWS D1.5 (02) Section 6.26.2 -- "Welds that are subject to MT in addition to visual inspection shall have no cracks.

**Who discovered the problem:** Vikram Singh

**Name of individual from Contractor notified:** Peter Shaw

**Time and method of notification:** 1830 hours, 05/28/10, Email

**Name of Caltrans Engineer notified:** Stanley Ku, Sean Eagen

**Time and method of notification:** 1900 hours, 05/28/10, Email

**QC Inspector's Name:** Wang Lu

**Was QC Inspector aware of the problem:**  Yes  No

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

N/A

**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.

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**Inspected By:** Tsang, Eric

SMR

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**Reviewed By:** Devey, Jim

SMR





REPORT OF MAGNETIC PARTICLE EXAMINATION

磁粉检测报告

REPORT NO. 报告编号 B787-MT-23606R1      DATE日期 2010.06.07      PAGE OF页码 1/1      Revision No: 0

PROJECT NO.      ZP06-787      CONTRACTOR:      CALTRANS  
 工程编号:      用户:

DRAWING NO.      DP318      CALTRANS CONTRACT NO.:      04-0120F4  
 图号:      10CE DECK PLATE SPLICE      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 <sup>ST</sup> , 2010
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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
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MAGNETIZING METHOD 磁化方法	Continuous magnetic yoke 磁轭式连续法	CURRENT 电流	AC
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PARTICLE TYPE 磁粉类型	Dry magnet powder 干磁粉	YOKE SPACING 磁轭间距	70~150mm
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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-345T2-X  14 /12mm
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WELDING PROCESS 焊接方法	SMAW	TYPE OF JOINT 焊缝类型	T JOINT
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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			
DP318-001-045	1R1			ACC.		
DP318-001-003	1R1			ACC.		

AFTER B-CWR1585rev0-1586rev0

BLANK

EXAMINED BY主操  
 Sun gong chang *Sun Gongchang* 20/0.06.07  
 LEVEL - II SIGN 签名 / DATE日期  
 质量经理 / QCM

REVIEWED BY 审核  
*SUN* 20/0.06.07  
 LEVEL-II SIGN / DATE日期

签字 SIGN / 日期 DATE

签字 SIGN / 日期 DATE

## NCR PROPOSED RESOLUTION

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

**Attention:** Pursell, Gary  
Resident Engineer

**Ref:** 05.03.06-000705

**Subject:** NCR No. ZPMC-0712

**Dated:** 21-Jul-2010

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

**Job Name:** SAS Superstructure

**Document No.:** ABF-NPR-000691 Rev: 01

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**Contractor's Proposed Resolution:**

**Reference Resolution:** ZPMC has performed the required repair and has attached the MT report as objective evidence to verify the repair is acceptable.

ZPMC has confirmed this indication is relevant as found by CT inspector. ZPMC has performed the required repair and has attached the MT report as objective evidence to verify the repair is acceptable. The ABF QCM and ZPMC QCM have discussed these types of NCR's and have verbally informed all NDT technicians to be more thorough in performing NDT. ZPMC requests closure of this NCR.

**Submitted by:** Lawton, Steve

**Attachment(s):** ABF-NPR-000691R01;

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**Caltrans' comments:**

**Status:** CLO

**Date:** 22-Jul-2010

The corrective action and preventive measures taken by the Contractor are acceptable. The Department considers this NCR to be closed.

**Submitted by:** Woo, Laraine

**Attachment(s):**

**Date:** 22-Jul-2010



No. B-826

## LETTER OF RESPONSE

**TO: American Bridge/Flour**

**DATE: 2010-7-21**

**REGARDING: NCR-000749(ZPMC-0712)**

ZPMC is providing the NDT record as noted by engineer and with the previously submitted records, ZPMC is requesting closure of this NCR.

**ATTACHMENT:**

NCR-000749(ZPMC-0712)

B787-MT-25071

*[Handwritten signature]*

7/21/10



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:** 31-May-2010

**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-0712

**Job Name:** SAS Superstructure  
**Document No:** 05.03.06-000705

**Reference Description:** Missed MT transverse indications by QC on Segment 10CE U-Rib Deck Panel to Diaphragm Weld at PP93

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:** 10

### Remarks:

During the Quality Assurance (QA) Magnetic Particle Testing (MT) review of welds located on Segment 10CE, this QA Inspector discovered the following issues:

- Two (2) Transverse linear cracks measuring approximately 5~8 mm in length.
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-OBG segment 10CE is located at the front side of OBG Paint shop.

The Notice of Witness Inspection Number (NWIT) is 005832. The indication is located inside the area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. ZPMC's QC personnel perform one hundred (100%) percent MT inspection of this weld.

### Action Required and/or Action Taken:

Propose a resolution for the identified non-conformance with revised procedures to prevent future occurrences. A response for the resolution of this issue is expected within 7 days.

**Transmitted by:** Sean Eagen Transportation Engineer

**Attachments:** ZPMC-0712

**cc:** Rick Morrow, Gary Pursell, Peter Siegenthaler, Stanley Ku, Brian Boal, Jason Tom, Contract Files, Ching Chao, Bill Casey

**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  
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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-000749

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

**Date:** 28-May-2010

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

**NCR #:** ZPMC-0712

**Type of problem:**

**Welding**  **Concrete**  **Other**

**Welding**  **Curing**  **Procedural**  **Bridge No:** 34-0006

**Joint fit-up**  **Coating**  **Other**  **Component:** OBG Segment 10CE U-Rib Deck Panel

**Procedural**  **Procedural**  **Description:** Missed MT transverse indication by QC

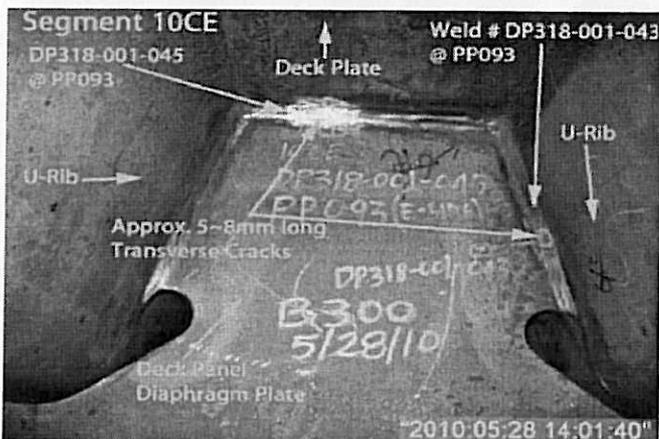
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**Applicable reference:**

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## QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

( Continued Page 2 of 2 )

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Special Provisions Section 8.3 – “Quality Control (QC) shall be the responsibility of the Contractor. As a minimum, the Contractor shall perform inspection and testing of each weld joint prior to welding, during welding, and after welding as specified in this section and to ensure that materials and workmanship conform to the requirements of the contract documents.”

AWS D1.5 (02) Section 6.26.2 – “Welds that are subject to MT in addition to visual inspection shall have no cracks.

**Who discovered the problem:** Vikram Singh

**Name of individual from Contractor notified:** Peter Shaw

**Time and method of notification:** 1830 hours, 05/28/10, Email

**Name of Caltrans Engineer notified:** Stanley Ku, Sean Eagen

**Time and method of notification:** 1900 hours, 05/28/10, Email

**QC Inspector's Name:** Wang Lu

**Was QC Inspector aware of the problem:**  Yes  No

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

N/A

**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.

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**Inspected By:** Tsang, Eric

SMR

**Reviewed By:** Devey, Jim

SMR



**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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690 Walnut Ave. St. 150  
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(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-000702**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 22-Jul-2010**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0712**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:** 28-May-2010**Description of Non-Conformance:**

During the Quality Assurance (QA) Magnetic Particle Testing (MT) review of welds located on Segment 10CE, this QA Inspector discovered the following issues:

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- The welds are Fillet Weld T-joints, joining the Deck Plate (DP318) to Deck Panel Diaphragm plate & Deck Plate (DP318) to the U-Rib.
- OBG segment 10CE is located at the front side of OBG Paint shop.

The Notice of Witness Inspection Number (NWIT) is 005832. The indication is located inside the area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. ZPMC's QC personnel perform one hundred (100%) percent MT inspection of this weld.

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

Repair said indications and perform NDT required to verify weld quality.

**Corrective action taken:**

Contractor supplied post repair NDT documentation verifying weld conforms with Contract weld quality requirements. ABF has met with ZPMC QC to discuss means to preventing this problem.

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

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# QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION

( Continued Page 2 of 2 )

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**Inspected By:** Simonis,Jim

Quality Assurance Inspector

**Reviewed By:** Wahbeh,Mazen

QA Reviewer