

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-000819**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 29-Jul-2010**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0781**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: SP3097A, SP3065A (Lift 13)
Procedural	Procedural	Description:	

Reference Description: Mishandling Side Plates on Lift 13 resulting in Distortion of Members**Description of Non-Conformance:**

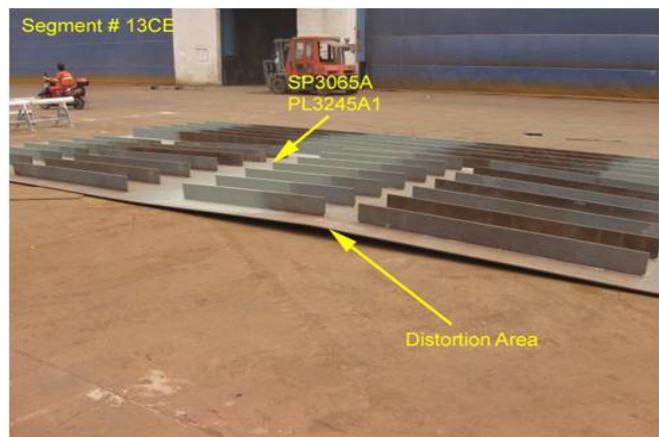
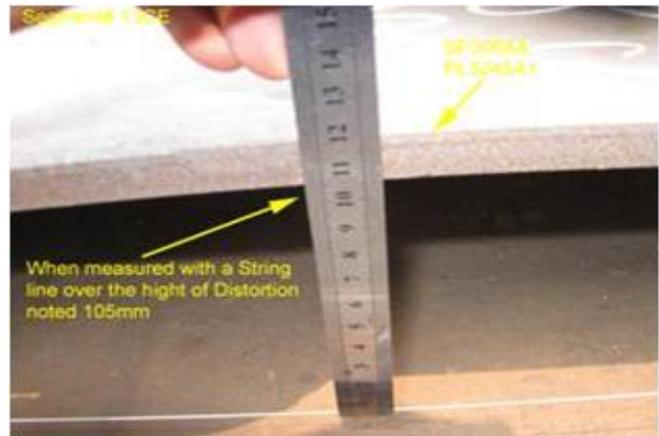
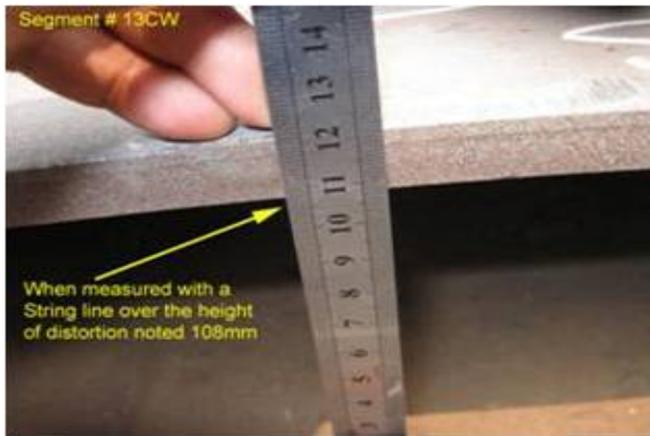
During random in process observations of the Blast Shop (1) of Side plate 13CE & 13CW, this Quality Assurance discovered the following issue:

- Side plates were observed being moved with lift truck (forks) using a center pick point and no additional support on either end of the Side Panel. The unsupported ends sagged significantly, causing the members to become distorted. Pieces were on ground without support and the following distortion was measured in this condition.
- The distortion measuring approximately 107mm from the Side plate 13CW.
- The distortion measuring approximately 105mm from the Side plate 13CE.
- The Side Plate is identified as 13CW: SP3097A-PL3389A (Non SPCM)
- The Side Plate is identified as 13CE: SP3065A-PL3245A1 (Non SPCM)
- The distortion was measured using a string Line and straight edge.
- Plate is located in the north side of Blast Shop (1).

For further information, please reference the attached pictures.

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 3)



Applicable reference:

Standard Specifications July 1999, Section 55-1.04; "In handling of the steel work, every care shall be taken to avoid bending, scraping or overstressing the pieces. All pieces bent or otherwise injured will be rejected."

Standard Specifications July 1999, Section 55-3.09; "Finished members shall be true to line and free from twists, bends and open joints."

AASHTO 11.4.13.1 General: "The deviation from detailed flatness, straightness, or curvature at any point shall be the perpendicular distance from that point to a template edge which has the detailed straightness or curvature and which is in contact with the element at two other points. The term element as used herein refers to individual panels, stiffeners, flanges, or other pieces. The template edge may have any length not exceeding the greatest dimension of the element being examined and, for any panel, not exceeding 1.5 times the least dimension of the panel; it may be placed anywhere within the boundaries of the element."

Who discovered the problem: Manoj Prabhune

Name of individual from Contractor notified: Steve Lawton

Time and method of notification: 1100 hour, 07-29-10, Verbal

Name of Caltrans Engineer notified: Laraine Woo

Time and method of notification: 0830 hour, 07-30-10, Email

QC Inspector's Name: Zhang Wei

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 3 of 3)

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

Contractor's proposal to correct the problem:

NA

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.

Inspected By:	Devey,Jim	SMR
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Reviewed By:	Wahbeh,Mazen	SMR
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NCR PROPOSED RESOLUTION

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

Attention: Siegenthaler, Peter
Resident Engineer

Ref: 05.03.06-000776

Subject: NCR No. ZPMC-0781

Dated: 12-Oct-2010

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000806 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution: ZPMC has documented this internally with a NCR to make the department responsible for moving is aware that parts need to be supported while in transit to prevent future occurrences.

ZPMC has repaired the distortion using mechanical means and is providing the NDT done after to show that distortion caused during mishandling and the subsequent repair did not damage the welds. ZPMC has documented this internally with a NCR to make the department responsible for moving is aware that parts need to be supported while in transit to prevent future occurrences. If this becomes a systematic problem, ZPMC QA will conduct training and meet to discuss this with the department responsible. Based on this ZPMC requests closure of this NCR.

Submitted by: Ishibashi, Joshua

Attachment(s): ABF-NPR-000806R00;

Caltrans' comments:

Status: AAP

Date: 13-Oct-2010

The NDT records of the mechanically straightened area and its adjacent area shall receive 100% MT rather than 10%.

Submitted by: Woo, Laraine

Date: 13-Oct-2010

Attachment(s):



No. B-899

LETTER OF RESPONSE

TO: American Bridge/Flour

DATE: 2010-9-30

REGARDING: NCR-000819 (ZPMC-0781)

ZPMC QA personnel have issued an internal NCR to address this problem. The flatness were found to be acceptable after rectification by mechanical method. ZPMC is providing the NDT records to show the soundness of the affected welds and is requesting closure of this NCR.

ATTACHMENT:

NCR-000819 (ZPMC-0781)

B787-MT-27247

B787-MT-27248

A handwritten signature in black ink, appearing to be "J. W.", is written over the attachment list.

9/30/10



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: 30-Jul-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: 05.03.06-000776

Subject: NCR No. ZPMC-0781

Reference Description: Mishandling Side Plates on Lift 13 resulting in Distortion of Members

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: 13

Remarks:

During random in process observations of the Blast Shop (1) of Side plate 13CE & 13CW, this Quality Assurance discovered the following issue:

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- The Side Plate is identified as 13CE: SP3065A-PL3245A1 (Non SPCM)
- The distortion was measured using a string Line and straight edge.
- Plate is located in the north side of Blast Shop (1).

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: Laraine Woo Transportation Engineer

Attachments: ZPMC-0781

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
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Bay Area Branch
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 (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, China

Report No: NCR-000819

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 29-Jul-2010

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

NCR #: ZPMC-0781

Type of problem:

Welding **Concrete** **Other**

Welding **Curing** **Procedural**

Bridge No: 34-0006

Joint fit-up **Coating** **Other**

Component: SP3097A, SP3065A (Lift 13)

Procedural **Procedural** **Description:**

Reference Description: Mishandling Side Plates on Lift 13 resulting in Distortion of Members

Description of Non-Conformance:

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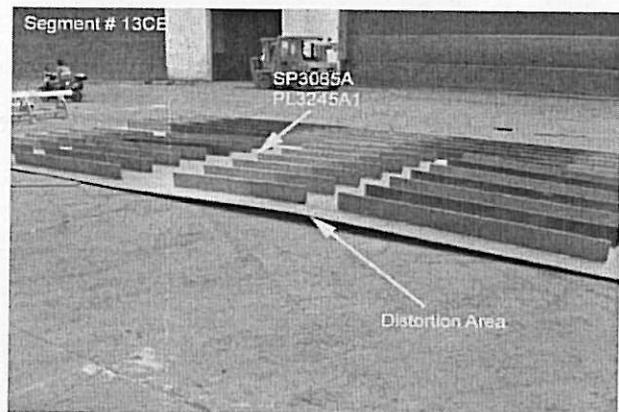
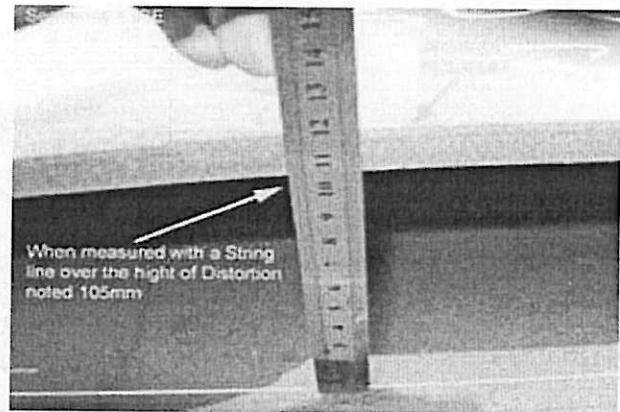
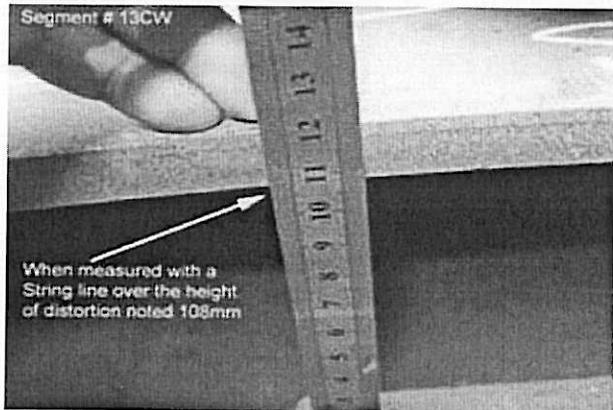
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QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 3)



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AASHTO 11.4.13.1 General: "The deviation from detailed flatness, straightness, or curvature at any point shall be the perpendicular distance from that point to a template edge which has the detailed straightness or curvature and which is in contact with the element at two other points. The term element as used herein refers to individual panels, stiffeners, flanges, or other pieces. The template edge may have any length not exceeding the greatest dimension of the element being examined and, for any panel, not exceeding 1.5 times the least dimension of the panel; it may be placed anywhere within the boundaries of the element."

Who discovered the problem: Manoj Prabhune

Name of individual from Contractor notified: Steve Lawton

Time and method of notification: 1100 hour, 07-29-10, Verbal

Name of Caltrans Engineer notified: Laraine Woo

Time and method of notification: 0830 hour, 07-30-10, Email

QC Inspector's Name: Zhang Wei



REPORT OF MAGNETIC PARTICLE EXAMINATION

磁粉检测报告

REPORT NO. 报告编号 B787-MT-27247 DATE日期 2010.09.05 PAGE OF页码 1/2 Revision No: 0

PROJECT NO. 工程编号: ZP06-787		CONTRACTOR: 用户: CALTRANS	
DRAWING NO. 图号: SP3065 side plate l-rib		CALTRANS CONTRACT NO.: 加州工程编号 04-0120F4	
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 , 2010
EQUIPMENT 设备 MT YOKE	MANUFACTURER 制造商 PARKER	MODEL NO. 样式编号 DA-400S	SERIAL NO. 连续编号 5617
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-345F2-X 20/22mm
WELDING PROCESS 焊接方法	FCAW	TYPE OF JOINT 焊缝类型	T- JOINT

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			
SP3065-001-043				ACC.		10%MT
SP3065-001-044				ACC.		10%MT
SP3065-001-045				ACC.		10%MT
SP3065-001-046				ACC.		10%MT
SP3065-001-047				ACC.		10%MT
SP3065-001-048				ACC.		10%MT
SP3065-001-049				ACC.		10%MT
SP3065-001-050				ACC.		10%MT
SP3065-001-051				ACC.		10%MT
SP3065-001-052				ACC.		10%MT
SP3065-001-053				ACC.		10%MT
SP3065-001-054				ACC.		10%MT
SP3065-001-055				ACC.		10%MT
SP3065-001-056				ACC.		10%MT

EXAMINED BY主探 Xie Genlin <i>Xie Genlin</i> 2010.9.05	REVIEWED BY审核 <i>Wang Wei</i> 2010.9.5
LEVEL - II SIGN 签名 / DATE日期 质量经理 / QCM	LEVEL-II SIGN / DATE日期 用户CUSTOMER
签字 SIGN / 日期 DATE	签字 SIGN / 日期 DATE



REPORT OF MAGNETIC PARTICLE EXAMINATION

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REPORT NO. 报告编号 B787-MT-27247		DATE日期 2010.09.05		PAGE OF页码 2/2	Revision No: 0	
PROJECT NO. 工程编号: ZP06-787			CONTRACTOR: 用户: CALTRANS			
DRAWING NO. 图号: SP3065 side plate l-rib			CALTRANS CONTRACT NO.: 加州工程编号 04-0120F4			
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 , 2010			
EQUIPMENT 设备 MT YOKE	MANUFACTURER 制造商 PARKER	MODEL NO. 样式编号 DA-400S	SERIAL NO. 连续编号 5617			
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-345F2-X 20/22mm			
WELDING PROCESS 焊接方法	FCAW	TYPE OF JOINT 焊缝类型	T- JOINT			
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			
SP3065-001-057				ACC.		10%MT
SP3065-001-058				ACC.		10%MT
SP3065-001-059				ACC.		10%MT
SP3065-001-060				ACC.		10%MT
SP3065-001-061				ACC.		10%MT
SP3065-001-062				ACC.		10%MT
SP3065-001-063				ACC.		10%MT
SP3065-001-064				ACC.		10%MT
SP3065-001-065				ACC.		10%MT
SP3065-001-066				ACC.		10%MT
SP3065-001-067				ACC.		10%MT
SP3065-001-068				ACC.		10%MT
SP3065-001-069				ACC.		10%MT
SP3065-001-070				ACC.		10%MT
EXAMINED BY主探 Xie Genlin <i>Xie Genlin 2010.9.05</i>			REVIEWED BY 审核 <i>Wang Wei 2010.9.5</i>			
LEVEL - II SIGN 签名 / DATE日期 质量经理 / QCM			LEVEL-II SIGN / DATE日期 用户CUSTOMER			
签字 SIGN / 日期 DATE			签字 SIGN / 日期 DATE			



REPORT OF MAGNETIC PARTICLE EXAMINATION

磁粉检测报告

REPORT NO. 报告编号 B787-MT-27248		DATE日期 2010.09.05	PAGE OF页码 1/2	Revision No: 0-
PROJECT NO. 工程编号: ZP06-787		CONTRACTOR: 用户: CALTRANS		
DRAWING NO. 图号: SP3097 side plate l-rib		CALTRANS CONTRACT NO.: 加州工程编号 04-0120F4		
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 , 2010	
EQUIPMENT 设备 MT YOKE	MANUFACTURER 制造商 PARKER	MODEL NO. 样式编号 DA-400S	SERIAL NO. 连续编号 5617	
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-345F2-X 20/22mm	
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SP3097-001-054				ACC.		10%MT
SP3097-001-055				ACC.		10%MT
SP3097-001-056				ACC.		10%MT

EXAMINED BY主探 Xie Genlin <i>Xie Genlin 2010.9.05</i>	REVIEWED BY审核 <i>Wang Wen 2010.9.5</i>
LEVEL - II SIGN 签名 / DATE日期	LEVEL-II SIGN / DATE日期
质量经理 / QCM	用户CUSTOMER
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REPORT OF MAGNETIC PARTICLE EXAMINATION

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DRAWING NO. 图号: SP3097 side plate I-rib			CALTRANS CONTRACT NO.: 加州工程编号 04-0120F4			
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 , 2010			
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WELDING PROCESS 焊接方法	FCAW	TYPE OF JOINT 焊缝类型	T- JOINT			
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SP3097-001-062				ACC.		10%MT
SP3097-001-063				ACC.		10%MT
SP3097-001-064				ACC.		10%MT
SP3097-001-065				ACC.		10%MT
SP3097-001-066				ACC.		10%MT
SP3097-001-067				ACC.		10%MT
SP3097-001-068				ACC.		10%MT
SP3097-001-069				ACC.		10%MT
SP3097-001-070				ACC.		10%MT
EXAMINED BY主探 Xie Genlin <i>Xie Genlin 2010.9.05</i>			REVIEWED BY审核 Wang Wei <i>Wang Wei 2010.9.15</i>			
LEVEL - II SIGN 签名 / DATE日期			LEVEL-II SIGN / DATE日期			
质量经理 / QCM			用户CUSTOMER			
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: Siegenthaler, Peter
Resident Engineer

Ref: 05.03.06-000776

Subject: NCR No. ZPMC-0781

Dated: 18-Oct-2010

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000806 Rev: 01

Contractor's Proposed Resolution:

Reference Resolution: The previously submitted report documents the MT of the percentage of the weld affected by the mechanical straightening. 1

The previously submitted report documents the MT of the percentage of the weld affected by the mechanical straightening. 10% of the entire weld length was tested which accounted for 100% of the area affected by the straightening, the remaining 90% of the weld was not near the distorted area. Based on ZPMC's clarification, ZPMC requests closure of this NCR.

Submitted by: Ishibashi, Joshua

Attachment(s): ABF-NPR-000806R01;

Caltrans' comments:

Status: CLO

Date: 20-Oct-2010

Contractor stated that the NDT area covers the area of concern, and the Department has also performed QA inspection. This NCR is closed.

Submitted by: Woo, Laraine

Date: 20-Oct-2010

Attachment(s):



No. B-912

LETTER OF RESPONSE

TO: American Bridge/Flour

DATE: 2010-10-19

REGARDING: NCR-000819(ZPMC-0781)

The previously submitted MT report what recorded as 10% MT has covered all the adjacent areas where were affected by the mechanically straightening method. The tested areas were picked at the end of stiffeners near the distorted area. Based on this clarification, ZPMC is requesting closure of this NCR.

ATTACHMENT:

NCR-000819(ZPMC-0781)

A handwritten signature in black ink, appearing to be 'J. W.' or similar, written in a cursive style.

10/19/2010



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: 30-Jul-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-0781

Job Name: SAS Superstructure
Document No: 05.03.06-000776

Reference Description: Mishandling Side Plates on Lift 13 resulting in Distortion of Members

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: 13

Remarks:

During random in process observations of the Blast Shop (1) of Side plate 13CE & 13CW, this Quality Assurance discovered the following issue:

- Side plates were observed being moved with lift truck (forks) using a center pick point and no additional support on either end of the Side Panel. The unsupported ends sagged significantly, causing the members to become distorted pieces were on ground without support and the following distortion was measured in this condition.
- The distortion measuring approximately 107mm from the Side plate 13CW.
- The distortion measuring approximately 105mm from the Side plate 13CE.
- The Side Plate is identified as 13CW: SP3097A-PL3389A (Non SPCM)
- The Side Plate is identified as 13CE: SP3065A-PL3245A1 (Non SPCM)
- The distortion was measured using a string Line and straight edge.
- Plate is located in the north side of Blast Shop (1).

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: Laraine Woo Transportation Engineer

Attachments: ZPMC-0781

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
 (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, China

Report No: NCR-000819

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 29-Jul-2010

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

NCR #: ZPMC-0781

Type of problem:

Welding Concrete Other

Welding Curing Procedural

Joint fit-up Coating Other

Procedural Procedural Description:

Bridge No: 34-0006

Component: SP3097A, SP3065A (Lift 13)

Reference Description: Mishandling Side Plates on Lift 13 resulting in Distortion of Members

Description of Non-Conformance:

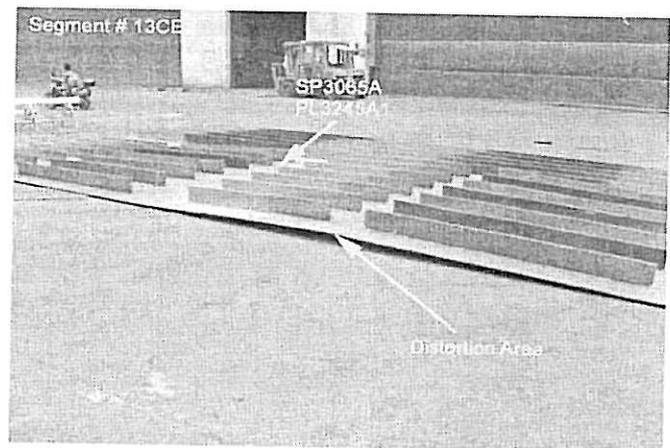
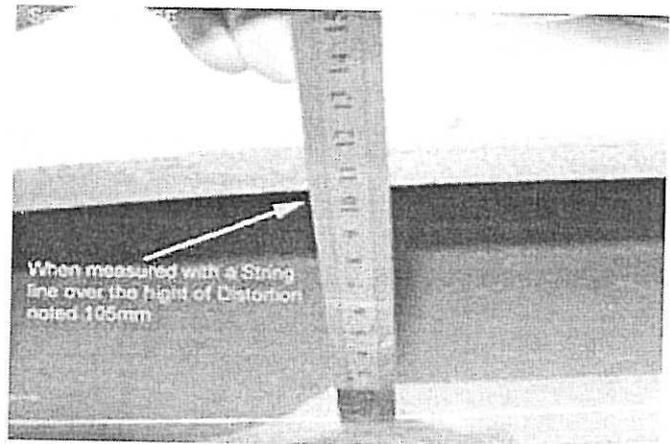
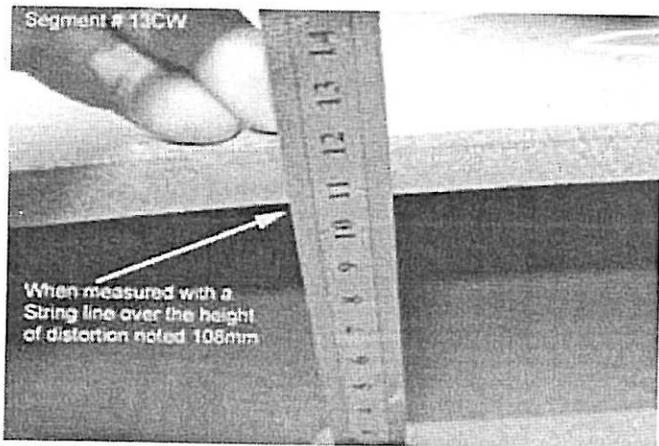
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- The distortion was measured using a string Line and straight edge.
- Plate is located in the north side of Blast Shop (1).

For further information, please reference the attached pictures.

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 3)



Applicable reference:

Standard Specifications July 1999, Section 55-1.04; "In handling of the steel work, every care shall be taken to avoid bending, scraping or overstressing the pieces. All pieces bent or otherwise injured will be rejected."

Standard Specifications July 1999, Section 55-3.09; "Finished members shall be true to line and free from twists, bends and open joints."

AASHTO 11.4.13.1 General: "The deviation from detailed flatness, straightness, or curvature at any point shall be the perpendicular distance from that point to a template edge which has the detailed straightness or curvature and which is in contact with the element at two other points. The term element as used herein refers to individual panels, stiffeners, flanges, or other pieces. The template edge may have any length not exceeding the greatest dimension of the element being examined and, for any panel, not exceeding 1.5 times the least dimension of the panel; it may be placed anywhere within the boundaries of the element."

Who discovered the problem: Manoj Prabhune

Name of individual from Contractor notified: Steve Lawton

Time and method of notification: 1100 hour, 07-29-10, Verbal

Name of Caltrans Engineer notified: Laraine Woo

Time and method of notification: 0830 hour, 07-30-10, Email

QC Inspector's Name: Zhang Wei

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 3 of 3)

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

NA

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.

Inspected By:	Devey, Jim	SMR
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Reviewed By:	Wahbeh, Mazen	SMR
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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-000800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 21-Oct-2010**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0781**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: 29-Jul-2010**Description of Non-Conformance:**

During random in process observations of the Blast Shop (1) of Side plate 13CE & 13CW, this Quality Assurance discovered the following issue:

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- The Side Plate is identified as 13CE: SP3065A-PL3245A1 (Non SPCM)
- The distortion was measured using a string Line and straight edge.
- Plate is located in the north side of Blast Shop (1).

Contractor's proposal to correct the problem:

ZPMC QA personnel have issued an internal NCR to address this problem.

Contractor will address the flatness issue by mechanical method and provide subsequent NDT verification.

Corrective action taken:

ZPMC performed mechanical straightening and provided NDT verification records to the affected area.

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 Devey, (86) 150-0002-6784, who represents the

QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION

(*Continued Page 2 of 2*)

Office of Structural Materials for your project.

Inspected By: Tsang, Eric

Quality Assurance Inspector

Reviewed By: Wahbeh, Mazen

QA Reviewer
