

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, PRC

Report No: NCR-000139

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 25-May-2008

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

NCR #: ZPMC-0133

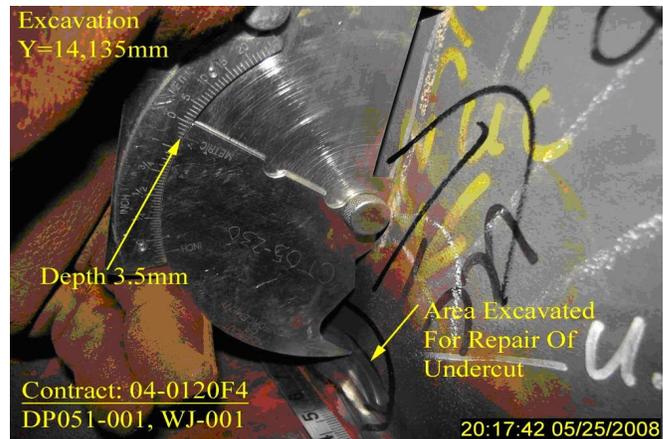
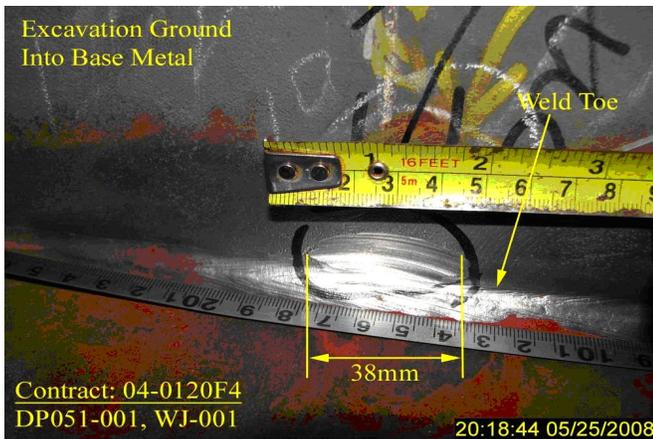
Type of problem:

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: DP-051-001
Procedural	Procedural	Descriptor: OBG Deck Panel	

Reference Description: Base metal repairs

Description of Non-Conformance:

The Contractor performed base metal repairs without prior approval of the Engineer at weld joint #s -001, -002, -005, -006, -009 and -010 of deck panel DP-051-001. These six areas were ground for repair of undercut to a depth between 2mm and 3.5mm.



Applicable reference:

AWS D1.5, Section 3.7.4 "Prior approval of the Engineer shall be obtained for repairs to base metal....."

Who discovered the problem: Quality Assurance (QA) Edward Leach

Name of individual from Contractor notified: ABF personnel unavailable at time of discovery

Time and method of notification: NA

Name of Caltrans Engineer notified: Stanley Ku

Time and method of notification: 05-29-2008, 1415 hours, verbal notification

QC Inspector's Name: ZPMC QC Inspector Wang Lu (Testino)

Was QC Inspector aware of the problem:

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

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 Patrick Lowry, 916-227-5719, who represents the Office of Structural Materials for your project.

Inspected By:	Velasco,Abifhram	SMR
Reviewed By:	Lowry,Patrick	SMR



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: 30-May-2008

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

Dear: Mr. Charles Kanapicki

Job Name: SAS Superstructure

Attention: Mr. Dave Williams Consultant

Document No: 05.03.06-000114

Subject: NCR No. ZPMC-0133

Reference Description: Base metal repairs

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

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

Material Location: OBG **Lift:**

Remarks:

The Contractor performed base metal repairs without prior approval of the Engineer at weld joint #s -001, -002, -005, -006, -009 and -010 of deck panel DP-051-001. These six areas were ground for repair of undercut to a depth between 2mm and 3.5mm.

Action Required and/or Action Taken:

Propose a resolution for the identified non-conformance to prevent future occurrences.

Transmitted by: Stanley Ku Sr. Bridge Engineer

Attachments: ZPMC-0133

cc: Rick Morrow, Gary Pursell, Brian Boal, Jason Tom, 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: 05.03.06-000114

Subject: NCR No. ZPMC-0133

Dated: 10-Sep-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000131 **Rev:** 00

Contractor's Proposed Resolution:

Reference Resolution: ZPMC does not consider this repair to be out of line with the external repair procedure. All parameters of the procedure were complied with to repair unacceptable undercut.

ZPMC does not consider this repair to be out of line with the external repair procedure. All parameters of the procedure were complied with to repair unacceptable undercut. The areas were documented as to location and were re-inspected after the welding and grinding. ZPMC was not repairing the base metal but was repairing welding undercut.

Submitted by:

Attachment(s): ABF-NPR-000131R00

Caltrans' comments:

Status: REJ

Date: 14-Sep-2008

The response is not acceptable. The excavation of base metal was not described in the approved repair procedure. If the excavation of base metal is necessary for the repair of undercut, this to be incorporated into the repair procedure, and the maximum depth of the excavation of base metal is to be specified in the repair procedure.

Submitted by: Wright, Doug

Date: 14-Sep-2008

Attachment(s):

NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000114

Subject: NCR No. ZPMC-0133

Dated: 31-Oct-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000131 **Rev:** 01

Contractor's Proposed Resolution:

Reference Resolution: ZPMC has attached final VT and MT reports for closure of this NCR

Please see file attached.

Submitted by:

Attachment(s): ABF-NPR-000131R01; Final VT and MT reports.

Caltrans' comments:

Status: CLO

Date: 05-Nov-2008

The proposed resolution is acceptable. The repair procedure was submitted as part of ABF-SUB-634R06, and approved as noted. Also, the welds in question were accepted as shown on the attached VT, MT, and UT reports. The Department concurs that Non-Conformance ZPMC-0133 is closed.

Submitted by: Wright, Doug

Date: 06-Nov-2008

Attachment(s):



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: 30-May-2008

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

Dear: Mr. Charles Kanapicki
Job Name: SAS Superstructure

Attention: Mr. Dave Williams Consultant
Document No: 05.03.06-000114

Subject: NCR No. ZPMC-0133

Reference Description: Base metal repairs

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

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

Material Location: OBG

Lift:

Remarks:

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Action Required and/or Action Taken:

Propose a resolution for the identified non-conformance to prevent future occurrences.

Transmitted by: Stanley Ku Sr. Bridge Engineer

Attachments: ZPMC-0133

cc: Rick Morrow, Gary Pursell, Brian Boal, Jason Tom, Ching Chao

File: 05.03.06

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



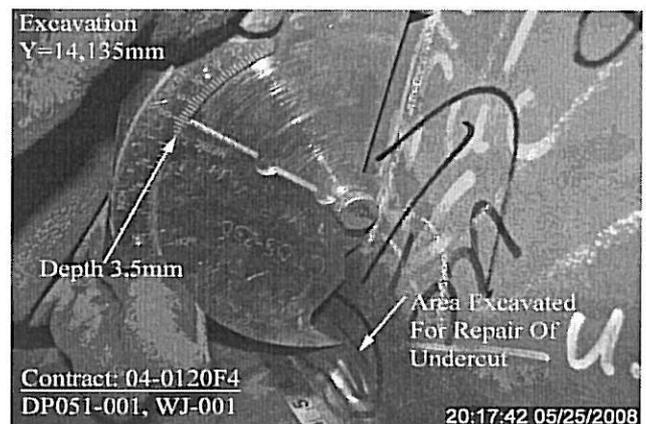
Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Changxing Island, Shanghai, PRC**Report No:** NCR-000139**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 25-May-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0133**Type of problem:**

Welding Concrete Other
 Welding Curing Procedural **Bridge No:** 34-0006
 Joint fit-up Coating Other **Component:** DP-051-001
 Procedural Procedural **Descriptor:** OBG Deck Panel

Reference Description: Base metal repairs**Description of Non-Conformance:**

The Contractor performed base metal repairs without prior approval of the Engineer at weld joint #s -001, -002, -005, -006, -009 and -010 of deck panel DP-051-001. These six areas were ground for repair of undercut to a depth between 2mm and 3.5mm.

**Applicable reference:**

AWS D1.5, Section 3.7.4 "Prior approval of the Engineer shall be obtained for repairs to base metal....."

Who discovered the problem: Quality Assurance (QA) Edward Leach**Name of individual from Contractor notified:** ABF personnel unavailable at time of discovery**Time and method of notification:** NA**Name of Caltrans Engineer notified:** Stanley Ku**Time and method of notification:** 05-29-2008, 1415 hours, verbal notification**QC Inspector's Name:** ZPMC QC Inspector Wang Lu (Testino)**Was QC Inspector aware of the problem:**

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

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 Patrick Lowry, 916-227-5719, who represents the Office of Structural Materials for your project.

Inspected By:	Velasco,Abifhram	SMR
Reviewed By:	Lowry,Patrick	SMR



REPORT OF MAGNETIC PARTICLE EXAMINATION

磁粉检测报告

REPORT NO. 报告编号 B787-MT-1719		DATE日期 2008.06.19	PAGE OF页码 1/1	Revision No: 0
PROJECT NO. 工程编号: ZP06-787		CONTRACTOR: 用户: CALTRANS		
DRAWING NO. 图号: DP51 OBG U-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 , 2008	
EQUIPMENT 设备 MT YOKE	MANUFACTURER 制造商 PARKER	MODEL NO. 样式编号 B310S	SERIAL NO. 连续编号 5395 5617 5620	
MAGNETIZING METHOD 磁化方法	Continuous magnetic yoke 磁轭式连续法	CURRENT 电流	AC	
PARTICLE TYPE 磁粉类型	Dry magnet powder 干磁粉	YOKE SPACING 磁轭间距	70~150mm	
MATERIAL TO BE EXAMINED 检测材料	<input checked="" type="checkbox"/> WELDING 焊接件 <input type="checkbox"/> CASTING 铸件 <input type="checkbox"/> FORGING 锻造	Material & thickness 母材, 厚度	A709M-345T2-X-S 12/14mm	
WELDING PROCESS 焊接方法	GMAW+SAW	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			
DP051-001-001				ACC.		10%MT
DP051-001-002				ACC.		10%MT
DP051-001-003				ACC.		10%MT
DP051-001-004				ACC.		10%MT
DP051-001-005				ACC.		10%MT
DP051-001-006				ACC.		10%MT
DP051-001-007				ACC.		10%MT
DP051-001-008				ACC.		10%MT
DP051-001-009				ACC.		10%MT
DP051-001-010				ACC.		10%MT
BLANK						

EXAMINED BY主探 <u>Wang Wei</u> LEVEL - II SIGN 签名 / DATE日期 2008.06.19	REVIEWED BY 审核 <u>Cai Xinxin</u> LEVEL-II SIGN / DATE日期 2008.06.19
质量经理 / QCM <u>Hu Kang</u> 2008.6.19	用户CUSTOMER
签字 SIGN / 日期 DATE	签字 SIGN / 日期 DATE

Ultrasonic Testing Report for U-rib PJP Welds

REPORT NO. : B787-UT-657

DATE: 08.09.15

PAGE 1 OF 6

PROJECT NO. : ZP06-787

CUSTOMER : CALTRANS

ITEM NO. : OBG U-RIB (DP51)

INSTRUCTION NO.: 04-0120F4

REFERENCING CODE SECTION
N/A

ACCEPTANCE STANDARD
ZPQC-UT-02

PROCEDURE NO.
ZPQC-UT-02

EQUIPMENT
UT SCOPE

MAKER
PANAMETRICS

MODEL NO.
EPOCH-4B

SERIAL NO.
071565311 061488510

CALIBRATION BLOCK
AWS IIW BLOCK TYPE II

COUPLANT
C.M.C

MATERIAL/THICKNESS
A709M-345T2-X-S / 12 mm

WELDING PROCESS
GMAW/SAW

JOINT TYPE
T-JOINT

STRAIGHT BEAM TRANSDUCER

ANGLE BEAM TRANSDUCER

Model No.	FREQUENCY	SIZE	Model No.	ANGLE	FREQUENCY	SIZE
413560213	2.5MHz	∅25mm	W-223	70°	3.5MHz	.375/10mm

Panel No.	Weld No.	Accept	Reject	LOP exceeds 20% (mm)			
				Thickness of tested area	Depth of Penetration	Length	Y-Location
	DP051-001-001	*		11.9	9.01	18	45
	DP051-001-001	*		11.9	9.01	10	530
	DP051-001-001	*		12.5	9.2	10	8500
	DP051-001-002	*		12.2	9.38	20	155
	DP051-001-002		*	12.2	7.06	10	660
	DP051-001-002	*		12.5	9.42	10	7780
	DP051-001-002	*		12.5	8.98	150	8370
	DP051-001-003	*		12.7	9.36	10	265
	DP051-001-003	*		12.7	9	10	540
	DP051-001-003	*		12.3	9.19	150	7810
	DP051-001-003	*		12.2	9.23	50	8175
	DP051-001-003	*		12.2	9.28	8	8425
	DP051-001-003	*		12.2	9.28	8	8445
	DP051-001-003		*	12.3	7.46	10	15810
	DP051-001-004	*		12.6	8.9	15	530
	DP051-001-004	*		12.6	9.39	15	635
	DP051-001-004	*		12.4	9.32	35	15660

EXAMINED BY 主探
Mazurong 2008.09.15
LEVEL-II SIGN / DATE

REVIEWED BY 审核
Zhanglin 08.09.15
LEVEL-II SIGN / DATE

质量经理 / QCM
Hufang
签字 SIGN / 日期 DATE 10-1

用户 CUSTOMER
签字 SIGN / 日期 DATE

Ultrasonic Testing Report for U-rib PJP Welds

REPORT NO. : B787-UT-657

DATE: 08.09.15

PAGE 2 OF 6

Panel No.	Weld No.	Accept	Reject	LOP exceeds 20% (mm)			
				Thickness of tested area	Depth of Penetration	Length	Y-Location
	DP051-001-004	*		12.4	9.4	10	15765
	DP051-001-004	*		12.5	9.28	90	16200
	DP051-001-005		*	12.1	7.85	10	50
	DP051-001-005	*		12.1	8.95	10	125
	DP051-001-005	*		12.1	9.34	20	305
	DP051-001-005	*		12.1	9.15	10	470
	DP051-001-005	*		12.1	9.08	10	535
	DP051-001-005	*		12.1	8.89	10	580
	DP051-001-005	*		12.1	8.6	10	640
	DP051-001-005	*		12.1	8.99	10	670
	DP051-001-005	*		12.1	9.15	10	720
	DP051-001-005	*		12.1	9.1	15	7820
	DP051-001-005	*		12.1	9.29	10	7920
	DP051-001-005	*		12.1	8.85	100	8130
	DP051-001-005	*		12.1	9.1	35	8420
	DP051-001-005	*		12.3	9.22	10	16395
	DP051-001-006	*		12.2	8.86	30	30
	DP051-001-006	*		12.2	9.18	130	350
	DP051-001-006	*		12.2	9.02	10	430
	DP051-001-006	*		12.2	8.92	10	650
	DP051-001-006	*		12.2	8.86	30	670
	DP051-001-006	*		12.2	9.28	10	7785
	DP051-001-006	*		12.2	9.39	10	7835
	DP051-001-006	*		12.2	9.17	45	8395
	DP051-001-006	*		12.2	9.12	30	8510
	DP051-001-006	*		12.2	9.28	10	8600
	DP051-001-006	*		12.2	8.9	30	15600
EXAMINED BY 主探 Ma J Zhang 2008.09.15				REVIEWED BY 审核 Zhang P. N			
LEVEL-II SIGN / DATE				LEVEL-II SIGN / DATE 08.09.15			
质量经理 / QCM Hu Guang				用户 CUSTOMER			
签字 SIGN / 日期 DATE 10-1				签字 SIGN / 日期 DATE			

Ultrasonic Testing Report for U-rib PJP Welds

REPORT NO. : B787-UT-657

DATE: 08.09.15

PAGE 3 OF 6

Panel No.	Weld No.	Accept	Reject	LOP exceeds 20% (mm)			
				Thickness of tested area	Depth of Penetration	Length	Y-Location
	DP051-001-006	*		12.2	8.6	50	15660
	DP051-001-006	*		12.2	9.28	20	15740
	DP051-001-007	*		12.2	9.25	10	55
	DP051-001-007		*	11.9	7.06	10	535
	DP051-001-007	*		12.3	8.96	10	660
	DP051-001-007	*		12.6	9.49	50	8410
	DP051-001-007	*		12.36	9.44	10	15077
	DP051-001-007	*		12	9.35	10	16240
	DP051-001-007	*		12	9.08	10	16290
	DP051-001-008	*		12.2	9.35	10	540
	DP051-001-008	*		12.5	9.33	3	14470
	DP051-001-009	*		12.4	9.38	25	40
	DP051-001-009	*		12.4	9.38	10	345
	DP051-001-009	*		12.4	8.55	10	530
	DP051-001-009	*		12.5	9.21	7	1280
	DP051-001-010	*		12.4	8.7	11	54
	DP051-001-010	*		12.6	9.23	55	55
	DP051-001-010	*		12.4	9.25	50	650

* All welds were 15% UT inspected and include 15% tack weld, DP051-001-002 DP051-001-003 DP051-001-004 DP051-001-005 DP051-001-006 DP051-001-009 total defect length was exceed the examined length 5%, so extend 100% inspecte, all welds But found four depth of penetration less the 70%, and repaired ACC.

* 所有焊缝经15%UT检测, 包括15%的点焊位置, DP051-001-002 DP051-001-003 DP051-001-004 DP051-001-005 DP051-001-006 DP051-001-009缺陷累积长度超过检测长度的5%, 需延伸100%检测, 所有焊缝共发现4处缺陷, 且已返修合格。

	DP051-001-002	*		12.4	9.29	5	1240
	DP051-001-002	*		12.6	9.43	35	2430
	DP051-001-002	*		12.7	9.44	8	5030
	DP051-001-002	*		12.7	9.19	7	5455
	DP051-001-002	*		12.7	8.23	35	6015
	DP051-001-002	*		12.7	8.94	43	6050

EXAMINED BY 主探
Matt Long 2008.09.15
 LEVEL-II SIGN / DATE

REVIEWED BY 审核
Zshuig in
 LEVEL-II SIGN / DATE 08.09.15

质量经理 / QCM
Hugang

用户 CUSTOMER

签字 SIGN / 日期 DATE 10.1

签字 SIGN / 日期 DATE

Ultrasonic Testing Report for U-rib PJP Welds

REPORT NO. : B787-UT-657

DATE: 08.09.15

PAGE 4 OF 6

Panel No.	Weld No.	Accept	Reject	LOP exceeds 20% (mm)			
				Thickness of tested area	Depth of Penetration	Length	Y-Location
	DP051-001-002	*		12.63	9.25	6	7900
	DP051-001-002	*		12.9	9.45	22	11415
	DP051-001-002	*		12.8	9.29	5	15090
	DP051-001-003	*		12.93	8.88	30	3080
	DP051-001-003	*		12.91	9.44	30	3120
	DP051-001-003	*		12.51	9.43	10	10245
	DP051-001-004	*		12.53	9.21	5	10900
	DP051-001-004	*		12.65	9.3	50	11360
	DP051-001-004	*		12.72	9.21	5	11485
	DP051-001-004	*		12.74	9.39	5	13295
	DP051-001-004	*		12.6	9.43	5	14490
	DP051-001-004	*		12.6	9.43	5	15380
	DP051-001-006	*		12.4	9.4	7	1825
	DP051-001-006	*		12.4	9.47	5	7720
	DP051-001-006	*		12.8	9.34	85	12100
	DP051-001-006	*		12.5	9.27	15	12660
	DP051-001-006	*		12.5	9.27	90	12710
	DP051-001-006	*		12.5	9.33	30	14460
	DP051-001-006	*		12.5	9.2	60	14990
	DP051-001-009	*		12.5	9.21	4	1295
	DP051-001-009	*		12.5	9.39	20	2195
	DP051-001-009	*		12.5	9.39	10	2440
	DP051-001-009	*		12.5	9.45	30	3635
	DP051-001-009	*		12.6	9.34	4	6700
	DP051-001-009	*		12.7	9.3	10	11370
	DP051-001-005	*		12.31	9.2	5	1250
	DP051-001-005	*		12.16	9.23	5	1260

EXAMINED BY 主探
Martina 2008 09 15
 LEVEL-II SIGN / DATE

REVIEWED BY 审核
Zhuang
 LEVEL-II SIGN / DATE 08.09.15

质量经理 / QCM
Huabang
 签字 SIGN / 日期 DATE 10-

用户CUSTOMER
 签字 SIGN / 日期 DATE

Ultrasonic Testing Report for U-rib PJP Welds

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DATE: 08.09.15

PAGE 5 OF 6

Panel No.	Weld No.	Accept	Reject	LOP exceeds 20% (mm)			
				Thickness of tested area	Depth of Penetration	Length	Y-Location
	DP051-001-005	*		12.2	9.25	10	1840
	DP051-001-005	*		12.2	9.09	10	1875
	DP051-001-005	*		12.2	9.22	10	2100
	DP051-001-005	*		12.3	8.88	70	2410
	DP051-001-005	*		12.1	9.45	3	2970
	DP051-001-005	*		12.1	9.24	20	2980
	DP051-001-005	*		12.1	9.27	11	3000
	DP051-001-005	*		12.1	8.9	40	3030
	DP051-001-005	*		12.16	9.27	10	3060
	DP051-001-005	*		12.1	9.24	7	3110
	DP051-001-005	*		12.1	9.33	4	3635
	DP051-001-005	*		12.1	9.42	7	3600
	DP051-001-005	*		12.1	8.99	7	3675
	DP051-001-005	*		12.2	9.37	5	3910
	DP051-001-005	*		12.2	9.37	5	4190
	DP051-001-005	*		12.2	9.37	7	6840
	DP051-001-005	*		12.2	9.43	8	6860
	DP051-001-005	*		12.3	9.47	10	7050
	DP051-001-005	*		12.3	8.7	80	7155
	DP051-001-005	*		12.4	9.35	20	7300
	DP051-001-005	*		12.4	8.8	20	7810
	DP051-001-005	*		12.16	9.14	10	8455
	DP051-001-005	*		12.3	8.58	140	8745
	DP051-001-005	*		12.3	9.25	30	8930
	DP051-001-005	*		12.3	9.44	10	9060
	DP051-001-005	*		12.3	9.13	40	9095
	DP051-001-005	*		12.3	9.28	5	9110

EXAMINED BY 主探

Ma [Signature] 2008.09.15

LEVEL-II SIGN / DATE

质量经理 / QCM

[Signature]

签字 SIGN / 日期 DATE 10/

REVIEWED BY 审核

Zshulgin [Signature]

LEVEL-II SIGN / DATE 08.09.15

用户 CUSTOMER

签字 SIGN / 日期 DATE

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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, PRC**Report No:** NCS-000113**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 06-Nov-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0133**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: 25-May-2008**Description of Non-Conformance:**

The Contractor performed base metal repairs without prior approval of the Engineer at weld joint #s -001, -002, -005, -006, -009 and -010 of deck panel DP-051-001. These six areas were ground for repair of undercut to a depth between 2mm and 3.5mm.

Contractor's proposal to correct the problem:

VT, MT, and UT reports for the welds in question were submitted by the Contractor showing the final examination of the weld. Also, the repair of undercut is addressed in the AAN submittal 634R06.

Corrective action taken:

Although the Contractor's response does not address the systemic issue where the Contractor continues to perform repairs without notifying the Engineer, METS closed the NCR based on Team China Construction's direction.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:** Stanley Ku and Doug Wright **Date:** 06-Nov-2008**Is Engineer's approval attached?** Yes No Email of concurrence to close NCR is on file.**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 Sang Le, who represents the Office of Structural Materials for your project.

Inspected By: Dautermann, Peter

Quality Assurance Inspector

Reviewed By: Dautermann, Peter

QA Reviewer