

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-000072**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 15-Feb-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0070**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: U-133, U-63, U-13, U-62, U-64
Procedural	Procedural	Descriptor:	OBG Closed Rib Stiffeners

Description of Non-Conformance:

Surfaces welded do not conform to workmanship requirements for preparation of base metal. Groove faces of closed ribs welded to deck plate were not smooth or uniform and were not free from rust. This occurred in OBG Deck Panel DP-058.

Applicable reference:

AWS D1.5, Section 3.2.1: "Surfaces and edges to be welded shall be smooth, uniform, and free from fins, tears, cracks, and other discontinuities which would adversely affect the quality or strength of the weld. Surfaces to be welded and surfaces adjacent to a weld shall also be free from loose or thick scale, slag, rust, moisture, grease, and other foreign material that would prevent proper welding or produce objectionable fumes."

Who discovered the problem: Alfredo Acuna**Name of individual from Contractor notified:** Ady Velasco**Time and method of notification:** Verbal notification at 12:00 on 02-15-2008**Name of Caltrans Engineer notified:** Stanley Ku**Time and method of notification:** Discussed in previous conversation on 02-11-2008**QC Inspector's Name:** ABF Representative Warren Buehler**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 Patrick Lowry, 916-227-5719, who represents the Office of Structural Materials for your project.

Inspected By: Lowry, Patrick

Quality Assurance Inspector

Reviewed By: Lowry, Patrick

QA Reviewer



DEPARTMENT OF TRANSPORTATION
666 Feng Bin Road Room 708, Changxing Island
Shanghai 201913 PR China
Tel: 021-56856666 ext 207061 Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: American Bridge/Fluor Enterprises, a JV
375 Burma Road
Oakland CA 94607

Date: 20-Feb-2008

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

Attention: Dave Williams Consultant

Job Name: SAS Superstructure

Document No: 05.03.06-000040

Subject: NCR No. ZPMC-0070

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

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

Enclosed please find the following items:

NCR No: ZPMC-0070

Remarks:

Please see attached Non-Conformance Report for details.

Transmitted by: Stanley Ku Sr. Bridge Engineer

cc: Rick Morrow, Gary Pursell, Stanley Ku, Brian Boal, Jason Tom, Dave Williams

File: 05.03.06

NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000040

Subject: NCR No. ZPMC-0070

Dated: 09-Jul-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000036 **Rev:** 00

Contractor's Proposed Resolution:

Reference Resolution: ZPMC will improve welder skills to ensure that the base metal is properly prepared for any repair work.

Please see attached response from ZPMC. Please be aware that ZPMC inadvertently referred to the related NCR as ZPMC-0071 when it is actually a response to ZPMC-0070. We apologize for any confusion.

Submitted by: Kanapicki, Charles

Attachment(s): ABF-NPR-000036R00;

Caltrans' comments:

Status: REJ

Date: 10-Sep-2008

The Contractor's response is not acceptable. Please provide details on methods to ensure that closed rib joint geometry will remain within acceptable limits during grinding. Also, please comment on the acceptability of deck panels that have been fabricated with the non-conforming groove weld surfaces.

Submitted by: Wright, Doug

Attachment(s):

Date: 10-Sep-2008

DEPARTMENT OF TRANSPORTATION

CHINA FABRICATION TEAM
506 Shangcheng Rd., Pudong New District
Shanghai 200120, PRC



REVIEW OF CONTRACTOR'S TRANSMITTAL

To: Dave Williams, American Bridge – Fluor, a Joint Venture
Gary Pursell, Resident Engineer

Review Date: 07-03-2008

From: Ady Velasco, Structural Materials Representative

Contract No.: 04-0120F4

Date/Time Submittal Received: 06-05-2008/

China Standard Time
(GMT+08:00)

Contractor's Transmittal #: TL-08-1334 Rev. # 0

<input type="checkbox"/>	substantially complies with contract requirements and is approved		
<input type="checkbox"/>	substantially complies with contract requirements and is approved as noted.		
<input checked="" type="checkbox"/>	Lacks sufficient information and/or contains unacceptable items that must be corrected or prior to resubmital		
Verbal Notification	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Date: _____ Time: _____
Name of individual from Contractor Notified: _____			
This submittal is a:	<input type="checkbox"/> Welding Report	<input type="checkbox"/> Critical Weld Repair	
	<input type="checkbox"/> Request for Information	<input type="checkbox"/> Heat Straightening Request	
	<input type="checkbox"/> Fabrication Procedures	<input checked="" type="checkbox"/> Other: <u>NCR close out documents</u>	
Submitting Contractor: <u>ABF</u>			
ITEMS REVIEWED	COMPLIES		COMMENTS
1. NCR No. ZPMC-0071, For Closure	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	NCR responded to in this transmittal is NCR-ZPMC-0070, not -0071. This transmittal is a revision to a previous response. Please resubmit with all previous revisions attached.
2.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
3.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
4.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
5.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
6.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
7.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
8.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Add more items here.....# - Item - Complies (Yes or No)-Comments			

Remarks:

Reviewer: Ady Velasco *AV*

Date: 07-03-2008

Construction Concurrence: *Se* Initial 7/4/08 Date

Received by (ABFJV): _____ Date: _____ Time: _____

Page 1 of 1

Date: 4 June 2008

To: Gary Pursell

From: Steve Lawton

Contract No. 04-0120F4

Dear Gary Pursell

This letter is issued to provide formal response addressing the proposed resolution to NCR ZPMC-0071 for Engineer's review and approval.

ZPMC has summarized the above listed NCR's and has generated an internal NCR for each occurrence.

ABFJV considers the NCR's mentioned as closed.

If further clarifications are needed, please contact me.



Steve Lawton
Foreign Quality Assurance Manager
American Bridge Fluor Joint Venture

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

Structure Representative _____ Date _____

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

Structure Representative Eric Wilson Date 7/4/08



TRANSMITTAL LETTER

PROJECT: SAN FRANCISCO OAKLAND BAY BRIDGE

DATE: 05/23/2008

TO: RUBY/ ABFJV QA DEPARTMENT

FROM: ZPMC QA DEPARTMENT

SUBJECT: REVISED CT NCR-000072 FOR CLOSURE

SUBMITTED FOR YOUR APPROVAL AND SUBMITTAL TO CALTRANS.

ENCLOSED WITH THIS TRANSMITTAL IS ONE

- (1) COPY OF REVISED LETTER OF RESPONSE WITH NO.B-087-R1 FOR CLOSURE.
- (2) COPY OF NCR WITH NUMBER CT NCR-000072 .
- (3) COPY OF ZPMC INTERNAL NCR WITH NO NCR-B-017R1

PLEASE SIGN THIS TRANSMITTAL AND RETURN TO ME.

ACKNOWLEDGEMENT:



 PLAN HOLDER

RECEIVED 23 MAY 2008
 1610

 DATE



 COMPANY

 PHONE NO.

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



No. B-087-R1

LETTER OF RESPONSE

TO: American Bridge/Flour JV

DATE: 2008-5-23

REGARDING: NCR-000072 (ZPMC-0071)

With this letter of response, ZPMC requests closure for Caltrans NCR-000072 (ZPMC-0071). ZPMC agrees what describe on the nonconformance report and we will clear the weld completely and ensure the root surface until good condition .meanwhile that the QC will supervisor the process two times of U-rib fit up and before welding start after fixed on the support by jigs. Now the QC have trained the grinding worker that must prepare the base metal by steel brush or the other tools to conform the groove surface no rust and defects.

So ZPMC considers NCR-000072 can be closed.

Please reference attached documentation for acceptance and closure the NCR-000072.

ATTACHMENT:

NCR-000072 (ZPMC-0071)
ZPMC internal NCR

Zhao Shuangbao

5.23

<input type="checkbox"/>	APPROVED
<input type="checkbox"/>	APPROVED AS NOTED
<input checked="" type="checkbox"/>	RETURNED FOR CORRECTION Pursuant to Section 6-1.02 of the Standard Specifications State of California
DEPARTMENT OF TRANSPORTATION Division of Engineering Service Office of Structure Construction	
<i>[Signature]</i>	<i>7/4/08</i>
Structure Representative	Date

REVIEWED
[Signature]
ABF CCM
1 JUNE 08



Nonconformance Report

不符合项报告

please provide previous version

Project Name: S.F.O.B.B
项目名称: 美国加州海湾大桥

NCR Number: NCR-B-017R1 (NCR-000072)
NCR 编号:

Item: Groove surface is bad condition
名称描述: 焊前的母材表面处理不好

Item Number: [Redacted]
Drawing Number: DP-058
图号: 5-1.02

Location: OBG Deck Plate
位置: 钢箱梁顶板单元

Date: 2008-2-15
of the Standard Specifications
State of California
DEPARTMENT OF TRANSPORTATION

Description of Nonconformance:

不符合项状态描述:
Surfaces welded do not conform to workmanship requirements for preparation of base metal. groove faces of closed ribs welded to deck plate were not smooth or uniform and were not free from rust. this occurred in OBG Deck panel DP-058.

DP-058 板单元 U 肋焊前的表面处理没达到要求, U 肋的坡口表面没有打磨光滑有锈蚀存在。

Work By: Zhang Yanjun Prepared by: Lu Luhong Reviewed by QCE: Zhao Shuangbao
施工方: 2008.4.28 准备: 2008.4.28 质量工程师批准: 2008.4.28.
 Drawing Error Material Defect Fabrication Error Other
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: Grind groove faces of closed ribs smoothly and clean rust completely.
建议 U 肋坡口表面按要求打磨光滑, 锈蚀处理干净, 经确认合格后继续焊接 according to associated requirements. After everything is confirmed acceptable, then go on welding.

Prepared by: Lv Guang Bin 4.29 Approved by QCA: Hu Gang 2008.4.29
准备 质量经理批准

Reason for Nonconformance:
不符合原因: As there was smoke produced by the torch during pre-heating, rust wasn't cleaned completely, which didn't conform to workmanship requirements.
板单元焊接前烘枪预热产生的烟雾, 锈蚀处理未达到要求。

Prevention of Re-occurrence:
预防措施: Make sure the cleanness of groove surfaces. Use brush to clean the surfaces and enhance supervision.
保证 U 肋坡口角度利用钢丝刷清理干净打磨光滑, 并加强焊接监督。

Approved by/批准: Lv Guang Bin 4.29

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

Clear the weld completely and ensure the quality of welding. perform relevant training of the workers to improve fabrication quality.
表面杂质、微锈时, 一定清理干净, 保证焊接质量, 并对有关人员进行培训, 提高焊接质量。

Reviewed/批准: Tang Yongbo 08.4.29

Verification: Acceptable Unacceptable
确认: 可接受 不可接受

Verified by QCI/质检确认: Sun Wei 07.5.13.11 Reviewed by QCA/质检主任审核: Hu Gang



DEPARTMENT OF TRANSPORTATION
866 Fang Bin Road Room 708, Changqing Island
Shanghai 201813 PR China
Tel: 021-56856666 ext 207061 Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: American Bridge/Floor Enterprises, a JV
375 Burma Road
Oakland CA 94607

Date: 20-Feb-2008

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

Attention: Dave Williams Consultant

Job Name: SAS Superstructure

Subject: NCR No. ZPMC-0071

Document No: 05.03.06-000041

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

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

Enclosed please find the following items:

NCR No: ZPMC-0071

Remarks:

Please see attached Non-Conformance Report for details.

Transmitted by: Stanley Kn Sr. Bridge Engineer

cc: Rick Morrow, Gury Pursell, Stanley Kn, Brian Boal, Jason Tom, Dave Williams

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, PRC

Report No: NCR-00007

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 15-F

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

NCR #: ZP

Type of problem:

Welding Concrete Other
 Welding Curing Procedural Bridge No: 34-0006
 Joint fit-up Coating Other Component: U-133, U-63, U-13, U-62, U-64
 Procedural Procedural Descriptor: OBG Closed Rib Stiffeners

Description of Non-Conformance:

Surfaces welded do not conform to workmanship requirements for preparation of base metal. Groove faces of closed ribs welded to deck plate were not smooth or uniform and were not free from rust. This occurred in OBG Deck Panel DP-058.

Applicable reference:

AWS D1.5, Section 3.2.1: "Surfaces and edges to be welded shall be smooth, uniform, and free from fins, tea cracks, and other discontinuities which would adversely affect the quality or strength of the weld. Surfaces to be welded and surfaces adjacent to a weld shall also be free from loose or thick scale, slag, rust, moisture, grease, and other foreign material that would prevent proper welding or produce objectionable fumes."

Who discovered the problem: Alfredo Acuna

Name of individual from Contractor notified: Ady Velasco

Time and method of notification: Verbal notification at 12:00 on 02-15-2008

Name of Caltrans Engineer notified: Stanley Kn

Time and method of notification: Discussed in previous conversation on 02-11-2008

QC Inspector's Name: ABF Representative Warren Buehler

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

Inspected By: Lowry, Patrick

Quality Assurance Inspector

Reviewed By: Lowry, Patrick

QA Reviewer

NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000040

Subject: NCR No. ZPMC-0070

Dated: 13-Oct-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000036 **Rev:** 01

Contractor's Proposed Resolution:

Reference Resolution: ABF Requests that this NPR be closed based on State Letter 05.03.06-000007.

Please find attached.

Submitted by: Mackey, Kim

Attachment(s): ABF-NPR-000036R01;

Caltrans' comments:

Status: CLO

Date: 14-Oct-2008

Per State Letters 05.03.08-000007 and 05.03.01-002773 dated October 6, 2008, the Department concurs that Non-Conformance ZPMC-0070 is closed.

Submitted by: Wright, Doug

Attachment(s):

Date: 14-Oct-2008

DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program

333 Burma Rd.
Oakland, CA 94607
(510) 622-5660, (510) 286-0550 fax



*Flex your power
Be energy efficient!*

October 06, 2008

Contract No. 04-0120F4
04-SF-80-13.2 / 13.9
Self-Anchored Suspension Bridge
Letter No. 05.03.08-000007

Michael Flowers
Project Executive
American Bridge/Fluor, A JV
375 Burma Road
Oakland, CA 94607

Dear Michael Flowers,

NCRs 69 & 70 – Closed Rib Plate to Deck Plate Welding

This is to inform you that the State is hereby rescinding the rejection of NPR Numbers 64 and 36 for NCR Numbers 69 and 70, respectively. It is not required for the contractor to re-submit a NPR for resolving those two NCRs.

A State letter is forthcoming to respond to ABF's letter No. 626 regarding their position for both NCRs.

Sincerely,

GARY PURSELL
Resident Engineer

cc: Rick Morrow
Brian Boal
Keith Devonport
Jason Tom
Stanley Ku
Ching Chao

file: 05.03.08

DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program

333 Burma Rd.
Oakland, CA 94607
(510) 622-5660, (510) 286-0550 fax



*Flex your power
Be energy efficient!*

October 6, 2008

Contract No. 04-0120F4
04-SF-80-13.2 / 13.9
Self-Anchored Suspension Bridge
TC Letter No. 05.03.08-000007

Michael Flowers
Project Executive
American Bridge/Fluor, A JV
375 Burma Road
Oakland, CA 94607

Dear Michael Flowers,

This is to inform you that the State is hereby rescinding the rejection of NPR Numbers 64 and 36 for NCR Numbers 69 and 70, respectively. It is not required for the contractor to re-submit an NPR for resolving those two NCR's.

A State letter is forthcoming to respond to ABFJV's letter No. 626 regarding their position for both NCR's.

Should you have any questions, please feel free to contact Jason Tom.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Pursell".

GARY PURSELL
Resident Engineer

cc: R. Morrow
B. Boal
K. Devonport
J. Tom
S. Ku
C. Chao

file: 05.03.01

DEPARTMENT OF TRANSPORTATION
 CHINA FABRICATION TEAM
 506 Shangcheng Rd., Pudong New District
 Shanghai 200120, PRC



REVIEW OF CONTRACTOR'S TRANSMITTAL

To: Dave Williams, American Bridge – Fluor, a Joint Venture

Review Date: 10-05-2008

From: Gary Pursell

Contract No.: 04-0120F4

Date/Time Submittal Received: 08-14-2008

China Standard Time
 (GMT+08:00)

Contractor's Transmittal #: AFC-CAL-
LTR-000626

Rev. # 0

<input type="checkbox"/>	substantially complies with contract requirements and is approved		
<input type="checkbox"/>	substantially complies with contract requirements and is approved as noted.		
<input type="checkbox"/>	Lacks sufficient information and/or contains unacceptable items that must be corrected or prior to resubmittal		
Verbal Notification	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	Date: _____ Time: _____
Name of individual from Contractor Notified: _____			
This submittal is a:	<input type="checkbox"/> Welding Report	<input type="checkbox"/> Critical Weld Repair	
	<input type="checkbox"/> Request for Information	<input type="checkbox"/> Heat Straightening Request	
	<input type="checkbox"/> Fabrication Procedures	<input type="checkbox"/> Other: Response to NCR	
Submitting Contractor: <u>ABFJV</u>			
ITEMS REVIEWED	COMPLIES		COMMENTS
1.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	TC Letter No. 05.03.08-000007

Reviewer: _____

Date: _____

Construction Concurrence: RP Initial 10/5/08 Date

Received by (ABFJV): Rosenman

Date: Oct 6, 2008 Time: 14:11 pm

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 #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Changxing Island, Shanghai, PRC**Report No:** NCS-000096**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 07-Oct-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0070**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: 15-Feb-2008**Description of Non-Conformance:**

Surfaces welded do not conform to workmanship requirements for preparation of base metal. Groove faces of closed ribs welded to deck plate were not smooth or uniform and were not free from rust. This occurred in OBG Deck Panel DP-058.

Contractor's proposal to correct the problem:

ZPMC will improve welder skills to ensure that the base metal is properly prepared for any repair work.

Corrective action taken:

ZPMC will improve welder skills to ensure that the base metal is properly prepared for any repair work.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:** Rick Morrow for Gary Pursell **Date:** 06-Oct-2008**Is Engineer's approval attached?** Yes No See State Letter 05.03.01-002773**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 Joshua Ishibashi, who represents the Office of Structural Materials for your project.

Inspected By: Ishibashi, Josh Quality Assurance Inspector**Reviewed By:** Smith, Ryan QA Reviewer