

**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 #: 83.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** SAS Superstructure**Report No:** NCR-001121**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 29-Apr-2013**Submitting Contractor:** Certified Coating Company**NCR #:** CCC-0009**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> Cable System - Suspender Brackets
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b> Mixing of paint	

**Reference Description:** Improper measuring of materials**Description of Non-Conformance:**

C.C.C. was measuring a partial kit of Intercure 200 HS primer utilizing a broken piece of wood.

**Applicable reference:**

International Paints, Intercure 200 HS Technical Data Sheet; Surface Preparation (03/16/2011): "Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied"

## SSPC Paint Application Specification No. 1: 5.4 COATING MATERIALS PREPARATION

5.4.1 "Single component coatings shall be thoroughly mixed to obtain a uniform composition. For multiple component coatings, each component shall be thoroughly mixed before combining and further mixing. In all cases, the manufacturer's written instructions for mixing shall be followed, and the products shall be checked for complete uniformity."

**Who discovered the problem:** QA Inspector Stuart Ross**Name of individual from Contractor notified:** Bill Todd

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## QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

( Continued Page 2 of 2 )

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**Time and method of notification:** 15:15, verbal

**Name of Caltrans Engineer notified:** Mahmoud Khandaghabadi

**Time and method of notification:** 15:30, verbal

**QC Inspector's Name:** Bill Todd

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

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

Contractor to propose a resolution.

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

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**Inspected By:** Stewart,Charlie

QA Insepector

**Reviewed By:** Dagher,Bahjat

SMR

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**DEPARTMENT OF TRANSPORTATION**

333 Burma Road  
Oakland CA 94607  
Tel: 510-622-5661 Fax:

**NON-CONFORMANCE REPORT TRANSMITTAL**

**To:** AMERICAN BRIDGE/FLUOR, A JV  
375 BURMA ROAD  
OAKLAND CA 95607  
**Date:** 01-May-2013

**Dear:** Mr. Charles Kanapicki  
**Contract No:** 04-0120F4  
04-SF-80-13.2 / 13.9

**Attention:** Mr. Scott Yeager  
**Job Name:** SAS Superstructure

**Subject:** NCR No. CCC-0009  
**Document No:** 05.03.06-001057

**Reference Description:** Improper measuring of materials

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.

**Remarks:**

**Material Location:** Cable **Lift:** N/A

The manufacturer's Published Data Sheet states that the complete two complete units of Intercure 200HS must always be mixed in the proportions supplied - See NCR #CCC-0009 for additional information.

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

Mix paint in complete units as supplied, as required by the manufacturer.  
Provide a procedure for ensuring that the proper volumes of the components are attained and QC documentation to be completed if the Contractor wishes to pursue the mixing of partial kits. Only mix complete kits until the mixing of partial kits has been accepted.

Please note that mixing of partial kits in an inaccurate manner has been observed and discussed with the Contractor on several occasions. This NCR has been issued as a result of the Contractor failing to address the issue.

**Transmitted By:** Warren Collins Assistant Structural Rep

**Attachments:** CCC-0009

**cc:** Brian Boal, Saman Soheilifard, Bahjat Dagher

**File:** 05.03.06

## NCR PROPOSED RESOLUTION

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

**Attention:** Casey, William  
Resident Engineer

**Ref:** 05.03.06-001057

**Subject:** NCR No. CCC-0009

**Dated:** 13-May-2013

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

**Job Name:** SAS Superstructure

**Document No.:** ABF-NPR-001057 Rev: 00

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**Contractor's Proposed Resolution:**

**Reference Resolution:**

See attached response from Certified Coatings Company along with the photo showing the paint mixing procedure.

**Submitted by:** Yeager, Scott

**Attachment(s):** ABF-NPR-001057R00; ;

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**Caltrans' comments:**

**Status:** CLO

**Date:** 10-Jul-2013

The NCR is resolved.

**Submitted by:** Collins, Warren

**Date:** 10-Jul-2013

**Attachment(s):**

CERTIFIED COATINGS

2320 Cordilia Road  
Fairfield, California 94534

RECEIVED

MAY 08 2013

707-639-4414

Fax 707-432-0574

AMERICAN BRIDGE/FLUOR

LETTER OF TRANSMITTAL

Date:	5/7/2013	Job No. 551260
Attention:	Mr. Bob Kick	
Reference:	SFOBB	
	Self Anchored Suspension Span	
	Contract No. 04-0120F4	

To: American Bridge/Fluor  
375 Burma Road  
Oakland, Ca. 94067

WE ARE SENDING YOU  Attached  Samples  Under separate cover via \_\_\_\_\_ the following items:  
 Drawings  Plans  Copy of Letter  Other \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1	5/7/2013	0000452	Response to NCR-009.

THESE ARE TRANSMITTED as checked below:

For Approval  For your use  As Requested  For review and comment

REMARKS \_\_\_\_\_  
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COPY TO: File

SIGNED: James Bl

**Certified Coatings Company**  
Member of the Muehlhan Group



May 7, 2013

CCC-ABF-LTR-000272

American Bridge Company/Fluor Enterprises Inc.,  
A joint Venture  
375 Burma Road  
Oakland, CA 94607

Attention: Bob Kick

Regarding: Non-Conformance Report CCC-009, Letter ABF-CCC-LTR-000390

Mr. Kick,

In response to Non-Conformance Report CCC-009, Letter ABF-CCC-LTR- 000390, we have taken steps to insure that paint is mixed correctly in the future. With the exception of supervisors, no one is allowed to mix paint without permission and the supervision of a supervisor or QC. All painters are being trained in proper mixing procedures for each type of paint. Mixing data for all of the various types of paint has been posted in the mixing area.

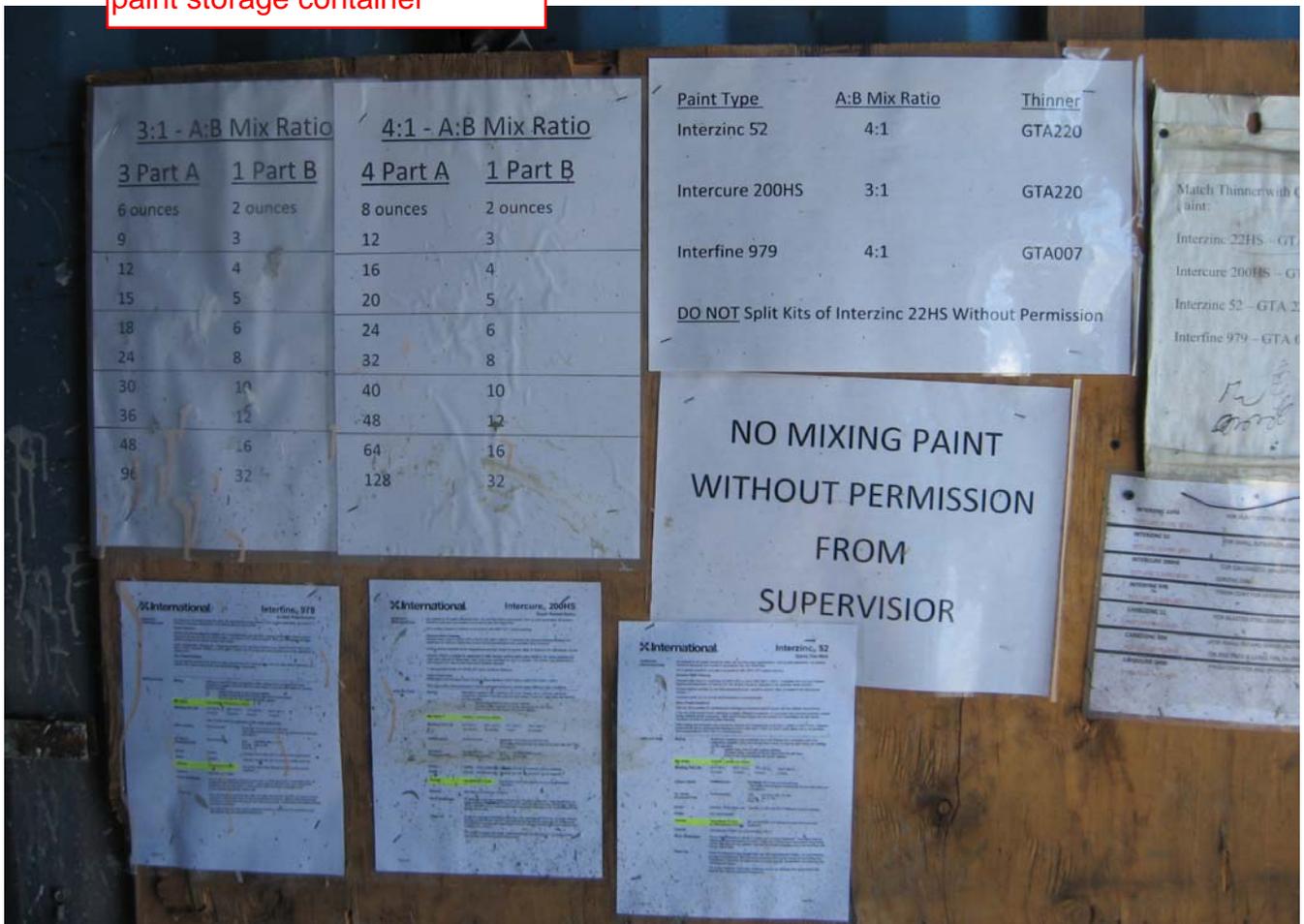
By taking these steps we are trying to ensure that paint is mixed correctly throughout the remainder of the project.

Sincerely,

James Brockman  
Project Manager



Paint mixing procedure inside paint storage container



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** SAS Superstructure**Report No:** NCS-000986**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 18-Jun-2013**Submitting Contractor:** Certified Coating Company**NCR #:** CCC-0009**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:** 29-Apr-2013**Description of Non-Conformance:**

C.C.C. was measuring a partial kit of Intercure 200 HS primer utilizing a broken piece of wood.

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

Post signs with instructions for mixing. Assign a designated individual for mixing and provide the proper documentation for each mix.

**Corrective action taken:**

Certified Coatings Company Inc. in a letter dated 5/7/2013 responded to this issue by posting signs with specific instructions on mixing of coatings. At the paint mixing station one individual has been assigned to document properly each mix of coatings with batch #'s and time of mix. Mixing of coatings can only be initiated with the permission and supervision of a Supervisor or Quality Control personnel.

**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 Gary Thomas (916) 764-6027, who represents the Office of Structural Materials for your project.

**Inspected By:** Stewart, Charlie

Quality Assurance Inspector

**Reviewed By:** Reyes, Danny

QA Reviewer