



P.O. BOX 23223 Oakland, CA 94623
 Phone (510) 419-0120 / Fax (510) 839-0666

LETTER OF SUBMITTAL
KFM Skyway Project # 04-012024

Run Date 09-May-06
 Time 8:45 AM

Dated: 5/9/06

SUBMITTAL No: KFM-SUB-006594 Rev: 00

To: **Doug Coe**
 Caltrans-Skyway Project
 345 Burma Road
 Oakland CA 94607
 Phone: Fax:

Co/Job # 364-3726
 Contract # 04-012024
 Sub/Supplier:
 Sub/Supplier No:

Subject: KFM NCR 55 Probable Arc Strikes Orthotropic Box Girder 5A

Special Provis. (SP) REF: 08-3.01
 Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

We are sending the following attached items: Attached Via Fax

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Contract Plans/Specs | <input type="checkbox"/> Certs of Compl./Samples | <input type="checkbox"/> Working Drawings |
| <input type="checkbox"/> Drawings/Calculations | <input type="checkbox"/> Schedule | <input type="checkbox"/> WQCP and/or Addenda |
| <input type="checkbox"/> Change Order | <input type="checkbox"/> Progress Estimate Request | <input type="checkbox"/> Weekly Weld Reports |
| <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Payroll Information | <input type="checkbox"/> CWR Procedure |

Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01	09-May-06	1	KFM NCR 55 Probable Arc Strikes Orthotropic Box Girder 5A		0	Pending	2

These are transmitted as checked below:

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> For Review/Comment | <input type="checkbox"/> Return For Correction |
| <input type="checkbox"/> For Your Use | <input type="checkbox"/> As Requested | <input type="checkbox"/> For Information |

Remarks:

CC:

Please review / approve by : 16-May-2006

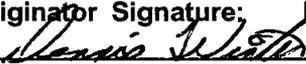
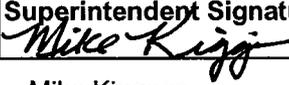
Submitted By: Dennis Winter
 (KFM Staff Member – Originator of Transmittal)

Checked & Sent By: *Spinks*
 Contract Admin/DCS Staff

NON-CONFORMANCE REPORT	55
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Location of Mat'l/Item: Orthotropic Box Girder 5A
Title/Description: Probable Arc Strikes at 13 locations Orthotropic Top Deck.
Group: Superstructures
Superintendent: Mike Kiggins
Foreman: Ron McCurry

Report of Condition/Cause of Non-Conformance: While performing the CWR-304 repairs to the top deck of the Orthotropic Girder 5A, we noticed 13 probable arc strikes on the top deck. (see attached for locations)

Recommended Corrective Action: As per conversation with Pat Lowry all probable arc strikes will be boat shaped excavations with a grinder - Magnetic Particle Tested (MT) to verify complete removal -			
If 1.5mm or less they will be faired to adjacent surfaces on a slope not steeper than 1 into the metal to 10 along the surface as per D1.5 (1996) 12.13.3 - MT'd to verify metal soundness.			
If > 1.5mm we will UT the surrounding area to determine the plate thickness and submit a recommendation to the engineer.			
Originator Signature: 	Date: 5/9/2006	Superintendent Signature: 	Date: 5/9/06
Dennis Winter	5/9/2006	Mike Kiggins	5/9/2006

Designer Comments on Corrective Action:

Corrective Actions Verified Complete and Inspected:

Reference Documents:

Date Closed:	
Signature:	

#	Distance East of Field Splice #1	Distance inboard of the North Barrier
1	177cm	103cm
2	521cm	146cm
3	707cm	94cm
4	768cm	95cm
5	850cm	97cm
6	1030cm	196cm
7	1060cm	193cm
8	1091cm	210cm
9	1098cm	208cm

#	Distance West of Field Splice #1	Distance inboard of the North Barrier
10	285cm	202cm
11	378cm	211cm

#	Distance East of the West end of Raised Top Deck	Distance inboard of the North Barrier
12	32cm	157cm
13	38cm	157cm



P.O. BOX 23223 Oakland, CA 94623
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LETTER OF SUBMITTAL
KFM Skyway Project # 04-012024

Run Date 15-May-06
 Time 11:24 AM

Dated: *5/15/06*

SUBMITTAL No: KFM-SUB-006594 Rev: 01

To: **Doug Coe**
 Caltrans-Skyway Project
 345 Burma Road
 Oakland CA 94607
 Phone: Fax:

Co/Job # 364-3726
 Contract # 04-012024
 Sub/Supplier:
 Sub/Supplier No:

Subject: KFM NCR 55R1 Probable Arc Strikes Orthotopic Box Girder 5A

Special Provis. (SP) REF: 08-3.01

Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

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| <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Payroll Information | <input type="checkbox"/> CWR Procedure |

Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01		1	KFM NCR 55R1 Probable Arc Strikes Orthotopic Box Girder 5A		1	Pending	2

These are transmitted as checked below:

- | | | |
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| <input type="checkbox"/> For Your Use | <input type="checkbox"/> As Requested | <input type="checkbox"/> For Information |

Remarks:

CC:

Please review / approve by : 22-May-2006

Submitted By: Dennis Winter
 (KFM Staff Member – Originator of Transmittal)

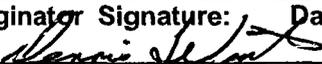
Checked & Sent By: *[Signature]*
 Contract Admin/DCS Staff

NON-CONFORMANCE REPORT	55R1
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Location of Mat'l/Item: Orthotropic Box Girder 5A
Title/Description: Excavation of probable arc strikes at 13 locations Orthotropic Top Deck.
Group: Superstructures
Superintendent: Mike Kiggins
Foreman: Ron McCurry

Report of Condition/Cause of Non-Conformance: While performing the CWR-394 repairs to the top deck of the Orthotropic Girder 5A, we noticed 13 probable arc strikes on the top deck. Arc strikes have been excavated and cleared by Magnetic Particle testing. (see attached for depth and diameter). Refer to NCR 55 for locations.

Recommended Corrective Action: Recommend leave as is all excavations 1.5mm or less. Excavation #2 excavated 1.59mm deep; however, Ultrasonic Testing verified base metal thickness to be 16.26mm. This is 0.26mm thicker than the 16mm nominal base metal thickness; therefore, recommend leave as is excavation #2. Excavation #6 total excavation is 2.38mm deep with a nominal thickness UT'd at 16mm; recommend reweld using FCM Repair procedure.

Originator Signature: 	Date:	Superintendent Signature: 	Date:
Dennis Winter	5/15/2006	Mike Kiggins	5/15/2006

Designer Comments on Corrective Action:

Corrective Actions Verified Complete and Inspected:

Reference Documents:

Date Closed:	
Signature:	

Diameter of Excavation

50mm
34mm
30mm
25mm
23mm
38mm
25mm
30mm
25mm

Depth of Excavation

1.39mm
1.59mm
1.20mm
.79mm
1.00mm
2.38mm
1.00mm
1.00mm
.79mm

1
2
3
4
5
6
7
8
9

10
11

.79mm
.79mm

20mm
20mm

12
13

1.00mm
.79mm

24mm
24mm



P.O. BOX 23223 Oakland, CA 94623
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LETTER OF SUBMITTAL
KFM Skyway Project # 04-012024

Run Date 23-May-06
 Time 11:47 AM

Dated: 5/23/06

SUBMITTAL No: KFM-SUB-006594 Rev: 02

To: **Doug Coe**
 Caltrans-Skyway Project
 345 Burma Road
 Oakland CA 94607
 Phone: Fax:

Co/Job # 364-3726
 Contract # 04-012024
 Sub/Supplier:
 Sub/Supplier No:

Subject: KFM NCR 55 Probable Arc Strikes Orthotropic Box Girder 5A

Special Provis. (SP) REF: 08-3.01
 Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

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Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01	23-May-06	1	KFM NCR 55 Probable Arc Strikes Orthotropic Box Girder 5A		2	Pending	5

These are transmitted as checked below:

- | | | |
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Remarks:

CC:

Please review / approve by : 31-May-2006

Submitted By: Dennis Winter
 (KFM Staff Member – Originator of Transmittal)

Checked & Sent By:
 Contract Admin/DCS Staff

DATE: 5/23/06	CO/JOB 364-3726
ROUTED BY:	NO: 04-012024
TO:	SPECIAL NOTES:
INTERNAL KFM COPIES TO:	
EXTERNAL COPIES TO:	
55R1	
SCANNED: Y N FILED TO:	

San Francisco Oakland Bay Bridge Job # 04-012024

NON-CONFORMANCE REPORT

Location of Mat'l/Item: Orthotropic Box Girder 5A
Title/Description: Excavation of probable arc strikes at 13 locations Orthotropic Top Deck.
Group: Superstructures
Superintendent: Mike Kiggins
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Originator Signature: <i>Dennis Winter</i>	Date: 5/15/2006	Superintendent Signature: <i>Mike Kiggins</i>	Date: 5/15/2006
Dennis Winter	5/15/2006	Mike Kiggins	5/15/2006

Designer Comments on Corrective Action:

Corrective Actions Verified Complete and Inspected:

Reference Documents:

Date Closed:	
Signature:	

#	Depth of Excavation	Diameter of Excavation
1	1.39mm	50mm
2	1.59mm	34mm
3	1.20mm	30mm
4	.79mm	25mm
5	1.00mm	23mm
6	2.38mm	38mm
7	1.00mm	25mm
8	1.00mm	30mm
9	.79mm	25mm
#		
10	.79mm	20mm
11	.79mm	20mm
#		
12	1.00mm	24mm
13	.79mm	24mm



SKYWAY PROJECT
 Caltrans Contract No. 04-012024 / Co. 364 - Job No. 3726
 P.O. Box 23223 • Oakland, California 94623
 (510) 419-0120 / Fax (510) 839-0666

NCR-55R1

Miscellaneous Weld Daily Visual Inspection Report

Cantilever #: OBG-5A

Date: 5-18-06, THUR.

Code: D1.1 2000

Report # Misc VT - 371

D1.6 1999

D1.5 2002

Welder(s)	Weld Location Segment/Diaphragm	Weld Job (walkway/ stair/cabletray)	Fit-up		Preheat/ Interpass > 32(F) SS>70F	Weld		Parameters Per WPS Amps	Time Taken	Comments/ Reasons for rejections/ Actions taken
			Acc	Rej		Acc	Rej			
532	EXCAVATION #6	OBG-5A, TOP	X		≥370°F	X		155 1/8	0910	REPAIR WELD @ EXCAVATION, 2.38mm DEEP X 38mm DIA., FLAT
532	EXCAVATION #6	OBG-5A, TOP	—		AMB.	X		—	0945	VT-FINAL

WPS: FCM REPAIR

QC Inspector: (print) D. AULTMAN

Signature: D. Aultman

QCM: (print) JACKIE ROBINETT

Signature: Jackie Robinett

