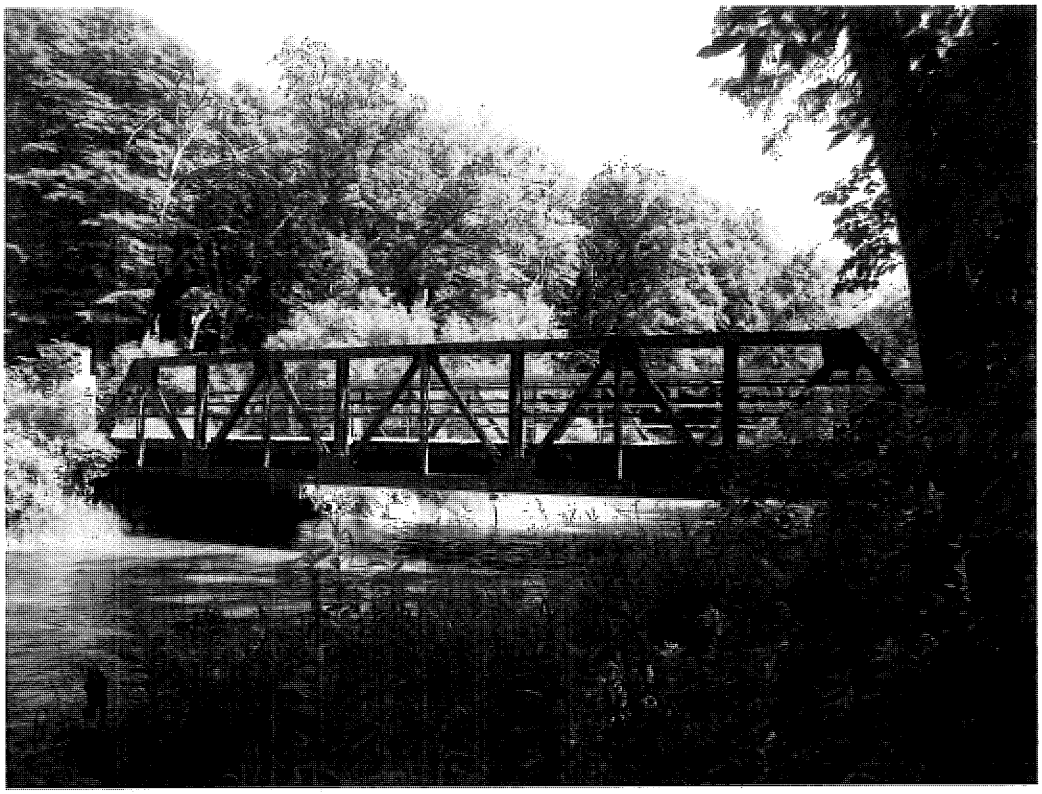
ASBESTOS & REGULATED WASTE ASSESSMENT REPORT

BRIDGE# 5034
LYONS TOWNSHIP
LYON COUNTY, MN



Prepared for:

Lyon County Highway Department
Suhail Kanwar, P.E., County Engineer

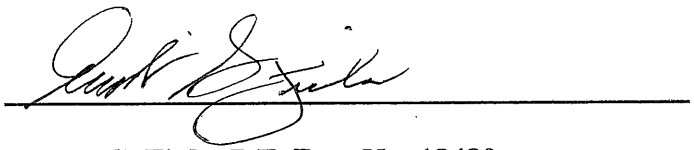
September 22, 2011

TABLE OF CONTENTS

Site Specifics & Certifications

Bridge No.:	**5034**
Location:	**On CR 83 over Redwood River, 2.1 Mi. Southwest of Jct. CSAH 5, in Lyons Township, Lyon County, Minnesota; Sec 05, T110N, R42W.**
Type of Structure:	**Bridge # 5034 is a 75.0' x 28.0', single span, steel Warren low truss bridge built in 1931.**
Railing:	**Steel angle iron affixed to truss members.**
Decking:	**P-I-C concrete.**
Superstructure:	**P-I-C concrete deck with monolithic concrete surface with no membrane present per MN/DOT Structure Inventory Report dated 05/10/2011, and site inspection 06/15/2011.**
Substructure:	**P-I-C concrete on steel pile bent each abutment. See MN/DOT Structure Inventory Report dated 05/10/2011 and Site Photographs Appendix II.**
Current Owner:	**Lyon County.**
Disposition of Structure:	**Demolition**
Licensure:	**MDH Certified Asbestos Inspector, Ernest G. Fiala, P.E. Conducted this Inspection (See Appendix IV).**
Certification:	**The undersigned certifies that this asbestos inspection was performed on June 15, 2011, in compliance with MN Rules 4620.3460.**

This report was compiled under my direct supervision.
I have reviewed the report's contents and find it to meet MN/DOT requirements as described in the "Asbestos & Regulated Waste Manual for Structure Demolition or Relocations for Construction Projects."



Ernest G. Fiala, P.E. Reg. No. 18480
MDH Asbestos Inspector #AI10135

Summary of all Asbestos & Regulated Waste & Actions Required for this Demolition

Based on a field inspection, the following conclusions are summarized for Asbestos & Regulated Waste Assessment. Applicable items listed below should be removed and/or stabilized prior to demolition of Bridge # 5034.

2.1 Asbestos Summary

No asbestos or asbestos containing materials were found on structure.

2.2 Lead Summary

Sample LP-I was taken from the abutment girder near the pin connection at the SW corner of bridge and indicated a lead presence of 44%.

Sample LP-2 was taken from the stringer beam near the rocker pin connection at the NE corner of bridge and indicated a lead presence of 38%.

Sample LP-3 was taken from the truss member, downstream side of bridge at midspan and indicated a lead presence of 42%.

Sample LP-4 was taken from the gusset plate at the SW corner of bridge and indicated a lead presence of 42%.

Sample LP-5 was taken the gusset plate at the NE corner of bridge and indicated a lead presence of 42%.

Sample LP-6 was taken from the top member of truss structure, South side of bridge at midspan and indicated a lead presence of 39%.

Pictures of all sample locations are included in Appendix I.

2.3 Regulated Waste Summary

The following Regulated Waste was observed on or in the vicinity of the bridge.

2.3.1 Mercury – None

2.3.2 PCBs – None

2.3.3 CFCs – None

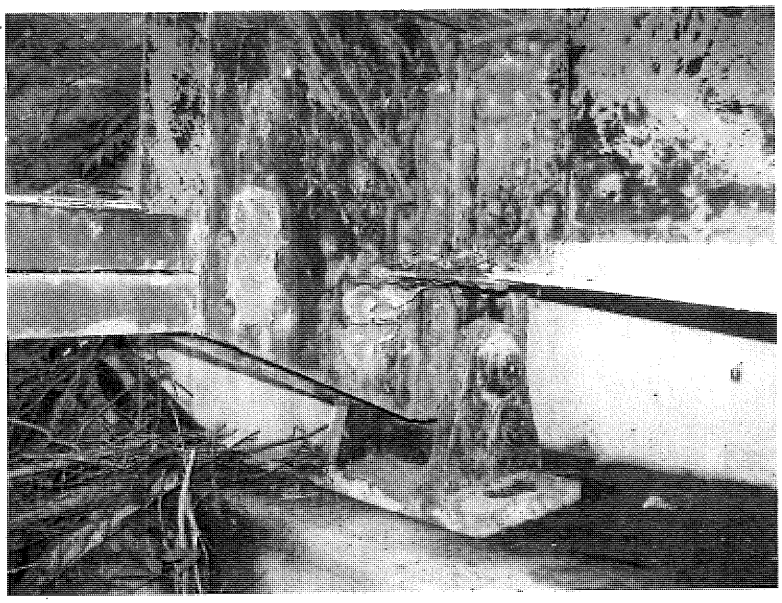
2.3.4 Treated wood –None

2.3.5 Household Hazardous Waste - None.

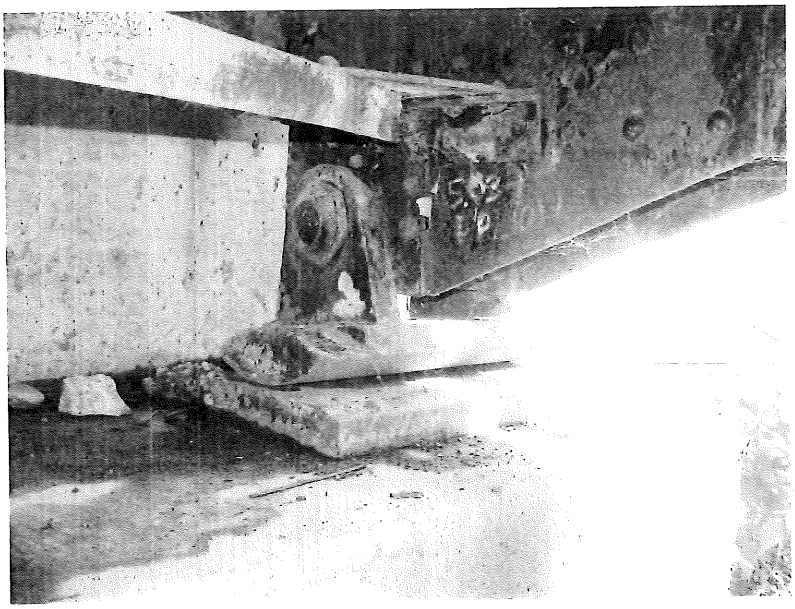
2.3.6 White Goods - None.

2.3.7 Solid Waste - None.

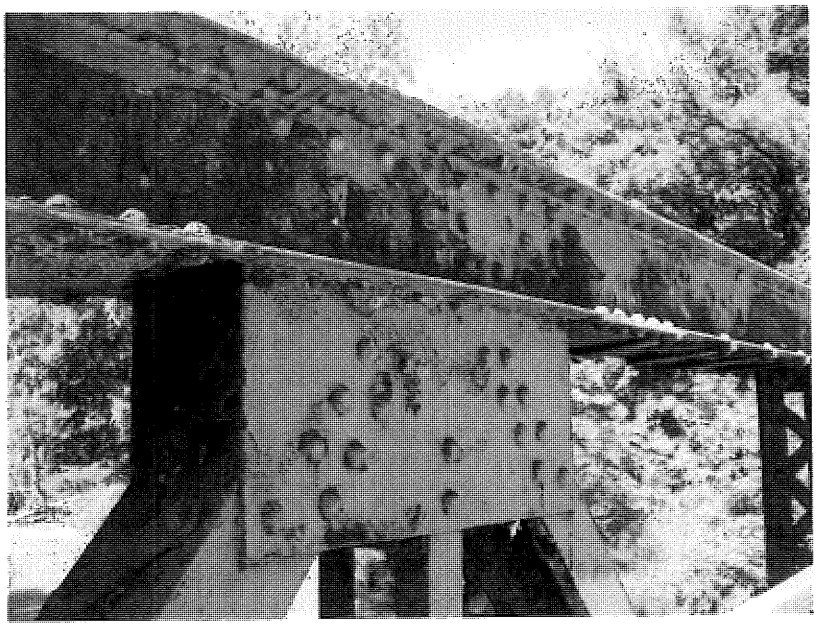
Appendix I
Sample Location Photographs



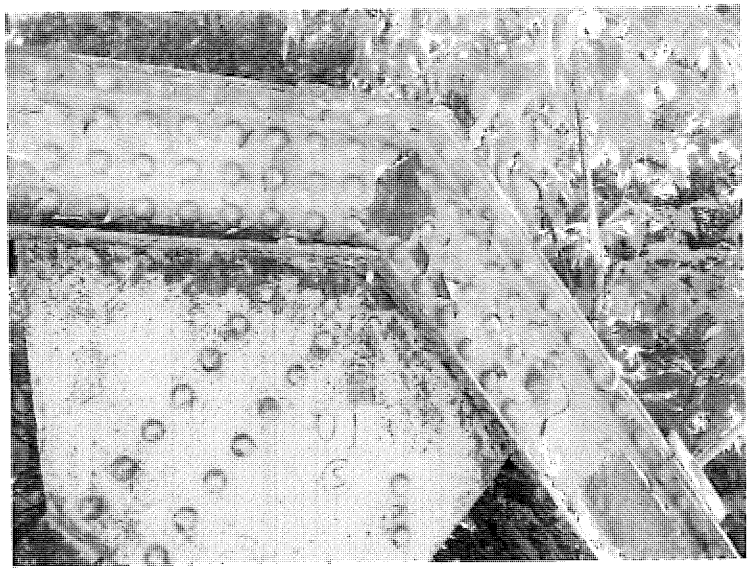
Sample LP-1. Lead paint sample from abutment girder, SW corner of bridge.



Sample LP-2. Lead paint sample from stringer beam at NE corner of bridge.



Sample LP-3. Lead paint sample from truss member. Downstream side of bridge at midspan.



Sample LP-4. Lead paint sample from gusset plate at SW corner of bridge.

Sample LP-5. Lead paint sample from gusset plate at NE corner of bridge.

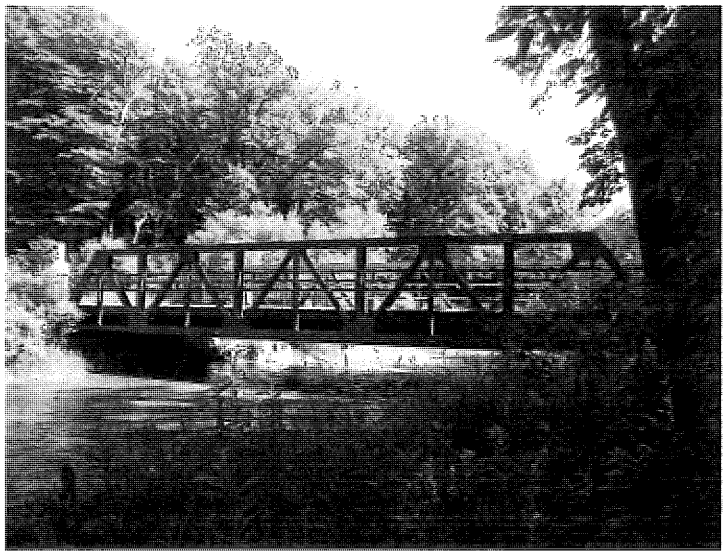
Sample LP-6. Lead paint sample from top truss member, South side at midspan.

Appendix II
Site Location Photographs

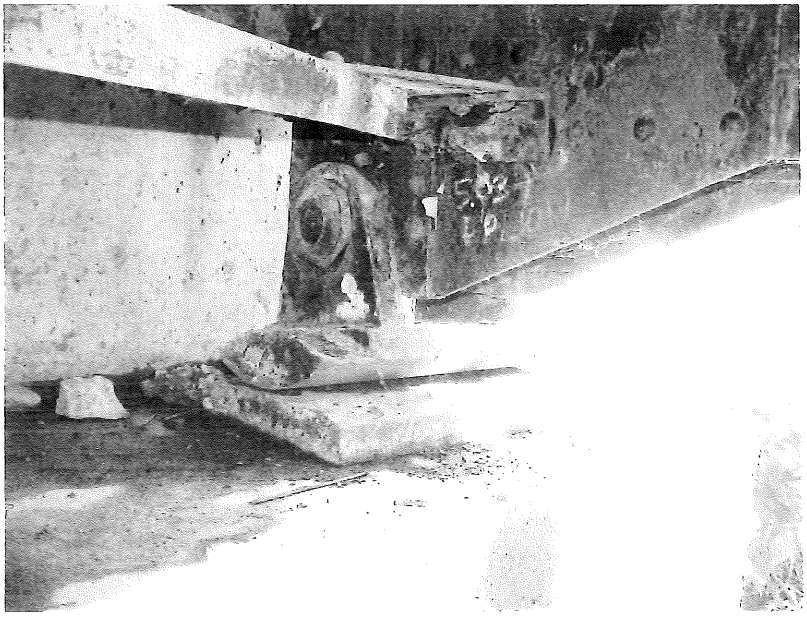
South approach to bridge looking North.

North approach to bridge looking South.

West side of bridge.



East side of bridge.



SE corner of abutment showing rocker connection and C-I-P concrete abutment.

SW corner of abutment showing rocker connection and P-I-C concrete abutment.

Steel angle iron railing affixed to truss members.

Appendix III
MN/DOT Structure Inventory and Bridge Inspection Reports

Mn/DOT Structure Inventory Report

Bridge ID: 5034 CR 83 over REDWOOD RIVER Date: 05/10/2011

+ GENERAL +		+ ROADWAY +		+ INSPECTION +	
Agency Br. No. S1		Bridge Match ID (TIS) 1		Deficient Status ADEQ	
District 8 Maint. Area		Roadway O/U Key 1-ON		Sufficiency Rating 56.4	
County 42 - LYON		Route Sys/Nbr CNTY 83		Last Inspection Date 11-02-2010	
City		Roadway Name or Description		Inspection Frequency 12	
Township LYONS		CR 83		Inspector Name LYON	
Desc. Loc. 2.1 MI SW OF JCT CSAH 5		Roadway Function MAINLINE		Structure P-LOAD POSTED	
Sect., Twp., Range 05 - 110N - 42W		Roadway Type 2 WAY TRAF		+ NBI CONDITION RATINGS +	
Latitude 44d 22m 11.95s		Control Section (TH Only)		Deck	7
Longitude 95d 55m 28.11s		Ref. Point (TH Only)		Superstructure	5
Custodian COUNTY		Date Opened to Traffic 12-01-1990		Substructure	7
Owner COUNTY		Detour Length 1 mi.		Channel	7
Inspection By LYON COUNTY		Lanes 2 Lanes ON Bridge		Culvert	N
BMU Agreement		ADT (YEAR) 40 (2005)		+ NBI APPRAISAL RATINGS +	
Year Built 1931		HCADT		Structure Evaluation	4
Year Fed Rehab		Functional Class. RURAL LOCAL		Deck Geometry	6
Year Remodeled 1990		+ RDWY DIMENSIONS +		Underclearances	N
Temp		If Divided NB-EB SB-WB		Waterway Adequacy	9
Plan Avail. COUNTY		Roadway Width 27.0 ft		Approach Alignment	9
+ STRUCTURE +		Vertical Clearance		+ SAFETY FEATURES +	
Service On HIGHWAY		Max. Vert. Clear.		Bridge Railing 0-SUBSTANDARD	
Service Under STREAM		Horizontal Clear.		GR Transition 0-SUBSTANDARD	
Main Span Type STEEL LOW TRUSS		Lateral Clr. - Lt/Rt		Appr. Guardrail 0-SUBSTANDARD	
Main Span Detail WARREN W/VERT		Appr. Surface Width 24.0 ft		GR Termini 0-SUBSTANDARD	
Appr. Span Type		Roadway Width 27.0 ft		+ IN DEPTH INSP. +	
Appr. Span Detail		Median Width		Frac. Critical Y 24 mo 09/2010	
Skew		+ MISC. BRIDGE DATA +		Underwater	
Culvert Type		Structure Flared NO		Pinned Asbly.	
Barrel Length		Parallel Structure NONE		Spec. Feat.	
Number of Spans		Field Conn. ID RIVETED		+ WATERWAY +	
MAIN: 1 APPR: 0 TOTAL: 1		Cantilever ID		Drainage Area	
Main Span Length 73.0 ft		Foundations		Waterway Opening 750 sq ft	
Structure Length 75.0 ft		Abut. STEEL - PILE BENT		Navigation Control NO PRMT REQD	
Deck Width 28.0 ft		Pier N/A		Pier Protection NOT APPL	
Deck Material C-I-P CONCRETE		Historic Status NOT ELIGIBLE		Nav. Vert./Horz. Clr.	
Wear Surf Type MONOLITHIC CONC		On - Off System OFF		Nav. Vert. Lift Bridge Clear.	
Wear Surf Install Year		+ PAINT +		MN Scour Code L-STBL;LOW RISK	
Wear Course/Fill Depth		Year Painted Pct. Unsound		Scour Evaluation Year 2002	
Deck Membrane NONE		Painted Area		+ CAPACITY RATINGS +	
Deck Protect. N/A		Primer Type		Design Load H 15	
Deck Install Year		Finish Type		Operating Rating HS 15.40	
Structure Area 2,100 sq ft		+ BRIDGE SIGNS +		Inventory Rating HS 9.20	
Roadway Area 2,024 sq ft		Posted Load VEHICLE & SEMI		Posting VEH: 24 SEMI: 36 DBL: 36	
Sidewalk Width - L/R		Traffic NOT REQUIRED		Rating Date 02-16-2010	
Curb Height - L/R 0.83 ft 0.83 ft		Horizontal NOT REQUIRED		Mn/DOT Permit Codes	
Rail Codes - L/R 32 32		Vertical NOT APPLICABLE		A: N B: N C: N	

V2005

05/10/2011 Page 1 of 3

Mn/DOT BRIDGE INSPECTION REPORT

Inspected by: LYON COUNTY

BRIDGE 5034 CR 83 OVER REDWOOD RIVER **INSP. DATE: 11-02-2010**

County: LYON
City:
Township: LYONS
Section: 05 Township: 110N Range: 42W
Span Type: STEEL LOW TRUSS
NBI Deck: 7 Super: 5 Sub: 7 Chan: 7 Culv: N

Location: 2.1 MI SW OF JCT CSAH 5
Route: CNTY 83 Ref. Pt.: 000+00.740
Control Section: Maint. Area:
Local Agency Bridge Nbr: S1

Length: 75.0 ft
Deck Width: 28.0 ft
Rdwy. Area / Pct. Unsnd: 2,024 sq ft
Paint Area/ Pct. Unsnd:
Culvert N/A

Open, Posted, Closed: LOAD POSTED Postings: 24 - 36 - 36

Appraisal Ratings - Approach: 9 Waterway: 9
MN Scour Code: L-STBL;LOW RISK Def. Stat: ADEQ Suff. Rate: 56.4

Required Bridge Signs - Load Posting: VEHICLE & SEMI Traffic: NOT REQUIRED
Horizontal: NOT REQUIRED Vertical: NOT APPLICABLE

STRUCTURE UNIT: 0

ELEM NBR	ELEMENT NAME	ENV	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
32	TIMBER DECK-BIT O/L	2	11-02-2010	2,100 SF	0	2,100	0	0	N/A
			11-05-2009	2,099 SF	2,099	0	0	0	N/A
	Notes: 2010 moderate cacking crack at floor beam 12"x1" hole at end of deck								
303	ASSEMBLY DECK JOINT	1	11-02-2010	2 LF	0	2	0	N/A	N/A
	Notes: Sliding plates at both abutments has surface corrosion								
407	BITUMINOUS APPROACH	1	11-02-2010	2 EA	0	2	0	0	N/A
			11-05-2009	2 EA	2	0	0	0	N/A
	Notes: 2008 approach settling 2010 West settle 1.75" East end 1.5"								
334	METAL RAIL-COATED	2	11-02-2010	151 LF	0	151	0	0	0
			11-05-2009	151 LF	0	151	0	0	0
	Notes: 2002 needs paint								
113	PAINT STEEL STRINGER	1	11-02-2010	899 LF	0	0	899	0	0
			11-05-2009	899 LF	0	0	899	0	0
	Notes: 2002 needs paint minor section loss 2007 minor debris damage								
121	P/STL THRU TRUSS/BOT	1	11-02-2010	148 LF	0	0	148	0	0
			11-05-2009	148 LF	0	0	148	0	0
	Notes: 2002 needs paint minor section loss 2010 Extensive paint loss and bent lower chord on So truss								
126	P/STL THRU TRUSS/TOP	1	11-02-2010	148 LF	0	0	148	0	0
			11-05-2009	148 LF	0	0	148	0	0
	Notes: 2002 needs paint minor section loss 2010 60% paint gone 1/8" pitting on L6-U7S								
152	PAINT STL FLOORBEAM	1	11-02-2010	128 LF	1	0	103	24	0
			11-05-2009	128 LF	0	0	0	128	0
	Notes: 2002 needs paint minor section loss 2010 The bottom flanges of floor beam 0 & 10 have distortions of up to 2". needs paint with flaking rust on bottom flange of floor beams. 1/16" pack rust and minor section loss at floor beam.								
423	GUSSET PLATE (PAINT)	1	11-02-2010	22 EA	0	0	19	3	0
	Notes: 2010 24% loss of thickness over a 17" x2.5 " area ata L4N. 24% loss over a 6" x 4" area at L4N exterior betwn L4-U4N and diag L4-U3N. Approx. 1/8 " loss at L4N interior betwn L4-U4N and diag L4-U3N. 20% loss over a 8"line at L6N interior along L6-U6N								
380	SECONDARY ELEMENTS	1	11-02-2010	1 EA	1	0	0	0	N/A
	Notes:								

Mn/DOT BRIDGE INSPECTION REPORT

Inspected by: LYON COUNTY

BRIDGE 5034 CR 83 OVER REDWOOD RIVER **INSP. DATE: 11-02-2010**

STRUCTURE UNIT: 0

ELEM NBR	ELEMENT NAME	ENV	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
311	EXPANSION BEARING	2	11-02-2010	2 EA	0	2	0	N/A	N/A
			11-05-2009	2 EA	0	2	0	N/A	N/A
	Notes: ROCKERS NEED REALIMENT SEVERLY OUT OF ALIGNMENT 2007 rockers realiged- brock a corner off when realiging. 2010 So. Rocker 7/8 out of alg. to south and north bearing 3/8 out of alg. south								
313	FIXED BEARING	1	11-02-2010	2 EA	0	2	0	N/A	N/A
			11-05-2009	2 EA	0	2	0	N/A	N/A
	Notes: 2010 no anchor rods were placed.								
215	CONCRETE ABUTMENT	2	11-02-2010	46 LF	46	0	0	0	N/A
			11-05-2009	56 LF	56	0	0	0	N/A
	Notes: < none >								
387	CONCRETE WINGWALL	2	11-02-2010	4 EA	4	0	0	0	N/A
			11-05-2009	4 EA	0	4	0	0	N/A
	Notes: < none >								
357	PACK RUST	1	11-02-2010	1 EA	0	1	0	0	N/A
	Notes: 2010 pack rust on all panel points. 1/8 "bow pack rust on U7S int,L10Sext, L2N int								
361	SCOUR	2	11-02-2010	1 EA	1	0	0	N/A	N/A
			11-05-2009	1 EA	1	0	0	N/A	N/A
	Notes: 0 - Stable for scour. Additional action required.								
362	TRAFFIC IMPACT	1	11-02-2010	1 EA	1	0	0	N/A	N/A
	Notes: 2010bottom chord from L2-L9 on the south truss is rolledunder 6" 1" by 6" bend in L9-L10s due to impact								
363	SECTION LOSS	1	11-02-2010	1 EA	1	0	0	0	N/A
	Notes: 1/8" thickness loss at both interior and exterior of diagonal L8-U7S connection at L8S. 1/8 loss at exterior member of diagonal L2-U1N at L2N								
964	CRITICAL FINDING	2	11-02-2010	1 EA	1	0	N/A	N/A	N/A
			11-05-2009	1 EA	1	0	N/A	N/A	N/A
	Notes: DO NOT DELETE THIS CRITICAL FINDING SMART FLAG.								
966	FRACTURE CRITICAL	2	11-02-2010	1 EA	1	0	0	N/A	N/A
			11-05-2009	1 EA	1	0	0	N/A	N/A
	Notes: Do Not Remove. See in-depth report for location of F/C members.								
981	SIGNING	2	11-02-2010	1 EA	1	0	0	0	0
			11-05-2009	1 EA	1	0	0	0	0
	Notes: < none >								
985	SLOPES	2	11-02-2010	1 EA	1	0	0	N/A	N/A
			11-05-2009	1 EA	1	0	0	N/A	N/A
	Notes: < none >								

05/10/2011 Page 3 of 3

Mn/DOT BRIDGE INSPECTION REPORT

Inspected by: LYON COUNTY

BRIDGE 5034 CR 83 OVER REDWOOD RIVER **INSP. DATE: 11-02-2010**

STRUCTURE UNIT: 0

ELEM NBR	ELEMENT NAME	ENV	INSP. DATE	QUANTITY	QTY CS 1	QTY CS 2	QTY CS 3	QTY CS 4	QTY CS 5
967	GUSSET DISTORTION	1	11-02-2010	1 EA	0	1	0	0	N/A

Notes: 2010 gusset plates bowed due to fit up at 1/8" at L2Sext, L4S ext, L8S int.,L4N int. U7S int.is bowed 1/8 " fue to pack rust and L2N int. is bowed 1/8" due to fit up and pack rust. L10S is bowed 1/8" due to rust. these gussets are bowed 1/16" due to fit up L0n int, L4Sint,L4N ext. and int. L6N est. L8S ext.

General Notes: > smj & ckm
2002smj2003 smj & ckm
2004 smj 2005smj 2006 smj
2007 smj MNDOT inspected the bridge couldn't fine any major problems 2008smj 2009smj

Inspector's Signature

Reviewer's Signature / Date

Appendix IV
Laboratory Analysis Reports

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Denice Cliff**
Institute For Environmental Assessment
9201 West Broadway
Suite 600
Brooklyn Park, MN 55445
Fax: (763) 315-7920 Phone: (763) 315-7900
Project: **1667-1112053, Lyon County Bridge #5034, Ernest G. Fiala**

Customer ID: IFEA50
Customer PO:
Received: 06/30/11 8:00 AM
EMSL Order: 351103778

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	RDL	Lead Concentration	Notes
0001	6/30/2011	0.010 % wt	44 % wt	Site: Abut Girder near Pin Connection @ SW Cor.
Client Sample LP-1				*Collected:* 6/29/2011
0002	6/30/2011	0.010 % wt	38 % wt	Site: Stringer beam near Pin Connection @ NE Cor
Client Sample LP-2				*Collected:* 6/29/2011
0003	6/30/2011	0.010 % wt	42 % wt	Site: Truss member downstream side @ mid span
Client Sample LP-3				*Collected:* 6/29/2011
0004	6/30/2011	0.010 % wt	42 % wt	Site: Gusset Plate @ SW Cor
Client Sample LP-4				*Collected:* 6/29/2011
0005	6/30/2011	0.010 % wt	42 % wt	Site: Gussed Plate NE Cor
Client Sample LP-5				*Collected:* 6/29/2011
0006	6/30/2011	0.010 % wt	39 % wt	Site: Top truss member, Southside @ mid span
Client Sample LP-6				*Collected:* 6/29/2011

Initial report from 06/30/2011 14:08:47

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. * slight modifications to methods applied.
Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

Test Report PB w/RDL-7.21.0 Printed: 6/30/2011 2:56:15 PM Page 1 of 1

Appendix V
Chain of custody Documents

June 27, 2011

Denice Cliff
Institute for Environment Assessment, Inc.
9201 West Broadway, Suite 600
Brooklyn Park, MN 55445

Re: Testing for the presence of lead in paint; Samples LP-1 thru LP-6.
Lyon County Bridge # 5034

Dear Ms. Cliff:

Enclosed are six samples, LP-1 thru LP-6 which are to be tested for the presence of lead. All samples are in zip lock bags and labeled with sample numbers, dates of sampling, and project identification. Please forward the test results and required chain of custody forms to:

Ernest G. Fiala, PE
118 W. 3rd St.
Redwood Falls, MN 56283

ernie.fiala@gmail.com

507-637-2492
507-430-3600 Cell

Lyon County intends to demolish this structure as soon as possible and has requested a rush on the testing if at all possible. Please advise by E-mail above if this is possible. Also, would you please forward a copy of your most recent NVLAP lab certifications so I may update my files. All fees incurred should be billed to the above. Should you have any questions or require additional information, please contact me at any of the above.

Sincerely,

Ernest G. Fiala, P.E.

9201 West Broadway North, Suite 600
Brooklyn Park, MN 55445
(763) 315-7900
1-800-233-9513

3778

CHAIN OF CUSTODY

2538

Page ___ of ___

Client # 11667 Project # 1112053
Client Ernest G. Fiala
Address

Building Name Lyon County Bridge #5034
Project Name Lead Sampling
Contact Person
Contact Person Phone
Other Information

Shaded Areas are for Laboratory Use Only!

Verbal results to Denice
Phone, Fax No. or E-Mail
TAT (circle) (6 hr) 1d 2d 3d 4d Specify
Verbal results relayed to
Verbal results relayed by
Date
Time

Analysis location: O On Site O Lab O Regional Office ⊘ Other EMSL

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Matrix type: Air	Bulk	Dust	Analysis requested: PCM	PLM	TEM	Other	Filter type: MCE	.8 um	.45 um
LP-1		Abut Girder near Pin Connection @ SW Cor.			O	X	O	O	O	O	Lead	O	O	O
LP-2		Stringer beam near Pin Connection @ NE Cor			O	X	O	O	O	O	Lead	O	O	O
LP-3		Truss member downstream side @ mid span			O	X	O	O	O	O	Lead	O	O	O
LP-4		Gusset Plate @ SW Cor			O	X	O	O	O	O	Lead	O	O	O
LP-5		Gusset Plate NE Cor			O	X	O	O	O	O	Lead	O	O	O
LP-6		Top truss member, Southside @ mid span			O	X	O	O	O	O	Lead	O	O	O

The MN Department of Health Alternative Indoor Air Standard for this project is: ______ F/CC. Batch Number:
Samples Acceptable? O Yes O No

Sampled by: Client	Date	Time	Delivered by: Denice Cloff	Date: 6/29/11	Time	Received by lab: HKJ DB	Date: 6/30/11	Time: 8:00AM	Entered by / Date / Time
Received by: Denice Cloff	Date: 6/29/11	Time	Delivered by	Date	Time	Analysis by	Date	Time	Delivered by / Date / Time

Appendix VI
Laboratory Accreditations

AIHA
Laboratory Accreditation Programs, LLC

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, MN 55447

Laboratory ID: 163162
Issue Date: 02/01/2011

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 09/01/2010

Field of Testing (FoT)	Method	Method Description *(for internal methods only)*
Airborne Dust	NIOSH 7082	
Paint	EPA SW-846 7000B	
	EPA SW-846 3050B	
Settled Dust by Wipe	EPA SW-846 7000B	
	EPA SW-846 3050B	
Soil	EPA SW-846 7000B	
	EPA SW-846 3050B	

The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- √ Paint
- √ Soil
- √ Settled Dust by Wipe
- √ Airborne Dust

Effective: 4/24/09
Scope_ELLAP_R4
Page 1 of 1

Appendix VII
Inspector's Licensure and Certification

Certificate No: 5LM10071018IR *Expiration Date: October 7, 2011*

This is to certify that
Ernest G. Fiala
has attended and successfully completed an
ASBESTOS INSPECTOR
REFRESHER TRAINING COURSE
permitted by
the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722
and meets the requirements of
Section 206 of Title II of the Toxic Substances Control Act (TSCA)
conducted by
Lake States Environmental, Ltd.
in
White Bear Lake, MN on October 7, 2010
Examination Date: October 7, 2010

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

John R Tripp
Training Instructor

MDH ASBESTOS INSPECTOR

Certified by:
State of Minnesota
Department of Health
Expires: 10/07/2011
Ernest G Fiala
118 W 3rd St
Redwood Falls, MN 56283

Director, Env. Health Div. No. AI10135 Issued: 11/03/2010

Appendix VIII

Minnesota Pollution Control Agency

Minnesota Pollution Control Agency Notification of Intent to Perform a Bridge Demolition for Mn/DOT Operations.

Type of Notification: | | Original | | Amended | | Project Cancellation
Notification must be postmarked or received ten (10) WORKING days before demolition begins.

MINNESOTA DEPARTMENT OF TRANSPORTATION

Demolition Contractor:

Name:_____
Address:_____
_____
City, State, Zip:_____
Contact Person:_____
Phone Number(s):_____

Bridge Owner:

Name:_____
Address:_____
_____
City, State, Zip:_____
Contact person:_____
Phone Number(s):_____

Bridge Information:

Bridge Name:_____
Mile Point/Trunk Highway:_____
Miles and direction (N,E,W,S) From Nearest Town:_____
_____
County:_____
Project Engineer Phone Number(s):_____
Age of Brdg. (years):_____ Size of Brdg. (sq. ft.):_____
Type of Bridge:_____

Suspect Materials to be checked for asbestos: pipes, asphalt underlay, spray-on and joint compounds.

Dates when demolition will Begin _____ & End _____

Both Beginning and Ending dates should be amended in writing as necessary to reflect current project dates.

There is no Asbestos Containing Material (ACM) present in the structure to be demolished

1. Company and/or individual that conducted the bridge inspection or record review, certification#, and the procedure used to determine the presence or absence of ACM (including analytic method): *Prior to demolition all bridges must be inspected by an MDH certified asbestos inspector.* _____
_____

2. Description of planned demolition and the specific method(s) that will be used:_____
_____

Demolition Material will be recycled on site or a metal scrap recycler, Material not recycled will be sent to:

3. Demolition Waste Transporter(s) Information:
Transporter Name:_____
Transporter Contact:_____
Transporter Address:_____
City, State, Zip:_____
Phone Number:_____

4. Demolition Waste Disposal Information:
Landfill Name:_____
Owner/Operator:_____
Address/Location:_____
City, State, Zip:_____
Phone Number:_____

5. I certify that the above information is correct and I am a bonafide representative of the demolition contractor or bridge owner and have authority to enter into agreements for my employer. In event that unexpected asbestos containing material is found, the material will be removed by a MDH certified asbestos abatement contractor.

Signature of Contractor, Owner Agent_____ **Date**_____

Send to: Minnesota Pollution Control Agency Regional Environmental Management Division 520 Lafayette Road North St. Paul, MN 55155-4194	For questions call: 651-296-6300 1-800-657-3864 FAX: 651-215-1593

PCB Removal Information *Polychlorinated Biphenyls (PCBs) will be removed from the bridge prior to demolition.*
Mercury Removal Information *Material containing mercury will be removed from the bridge prior to demolition.*

[Notification of Intent to Perform a Demolition form () Revised 08/04 CC: Mark Vogel, OES, MS 620

Appendix IX
Notification Form on Transfer of Bridge Steel

NOTIFICATION FORM ON DISPOSAL OF BRIDGE STEEL

The Contractor is required to provide certain information on disposal of bridge steel which has been painted with lead-based paint. By signing this document, the Contractor certifies that information supplied by the Contractor is correct and that the Contractor is familiar with proper handling and disposal of materials with lead-based paint. This information must be furnished to the Project Engineer a minimum of 30 days prior to removal of the bridge steel from the project site. Any change in method or location of disposal would require resubmittal and a 30 day notice.

Mn/DOT Project No._____ **Bridge No.**_____

Description of Bridge Steel_____

Paint System is Mn/DOT Spec. _____ . _____
(Primer) **(Top Coat)**

Project Engineer: _____

Contractor/Subcontractor: _____
(Name, mailing address, telephone no.)

_____

I _____ certify that the following information is correct:
(print name of authorized representative)

The above bridge steel will be disposed of by the following method(s): _____
(list name,

_____
address and telephone no. of recipient, estimated delivery date, and intended use.)

_____

_____

I also certify that _____ is familiar with
(Contractor/Subcontractor name)
the requirements in OSHA 29 CFR 1926.62 relating to lead, precautions to be taken when working with lead, and proper handling and disposal of materials with lead-based paint systems and that _____ has been notified of the presence of lead-based paint.
(name of recipient)

_____ _____
(signature) **(date)**

Received by Project Engineer/Inspector: _____ _____
(date) **(signature)**

cc: Project File
Office of Environmental Services

Appendix X
Notification Form on Ownership Transfer of Treated Wood

1 of 2 pages

NOTIFICATION FORM ON OWNERSHIP TRANSFER OF TREATED WOOD

The prospective buyer identified below has expressed interest in obtaining treated wood from Mn/DOT for reuse/recycling. Treated wood can include, but is not limited to: copper chromium arsenic (CCA), ammoniacal copper quat (ACQ), copper azole, ammoniacal copper citrate, creosote, and pentachlorophenol (PCP or penta). By signing this document, the buyer certifies that he or she is familiar with proper handling and disposal of this material. The buyer must complete this form to Mn/DOT's satisfaction prior to removal of any treated wood. Any change in the method or location of re-use of the materials would require re-submittal and approval.

Source of treated wood:_____

Mn/DOT Contract:_____

Buyer:_____
(name, company, mailing address, telephone number)

_____

I_____ certify that the following information is correct:
(Print name of authorized buyer)

The above treated wood will be reused in the following manner:_____

_____

_____

I also certify that _____ is familiar with Local, State and
(buyer name)
Federal requirements, including the Minnesota Pollution Control Agency fact sheet "Treated Wood: Use, Disposal and Alternatives for Businesses", regarding proper handling and disposal of treated wood and the buyer has been notified of this.

_____ _____
(buyers signature) (date)

Received by Mn/DOT representative:_____
(print name)

_____ _____
(signature) (date)

cc: District File
Office of Environmental Services (Mail stop 620)

OWNERSHIP TRANSFER

DESCRIPTION	QUANTITY	DATE TRANSFERRED	COMMENTS