

Bridge Inspection Report

M3818

SH 34-04- LM 12.09

over

BIG SLOUGH DITCH



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	8
ELEMENTS	9
PICTURES	12
SKETCHES	18

Inspector:

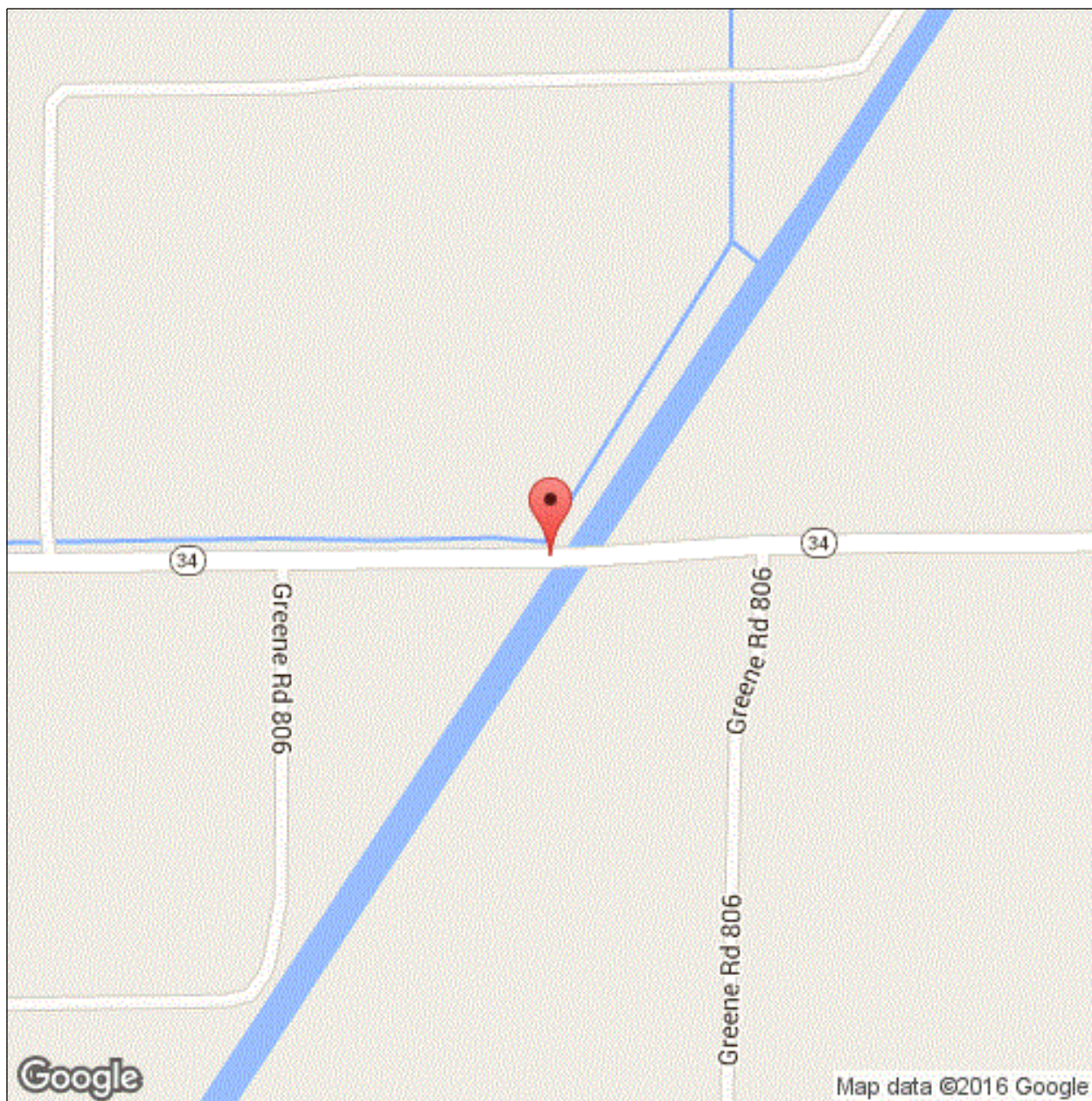
Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Location Map



Latitude: 36.18602884790169

Longitude: -90.30043351504543

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Location Map



Latitude: 36.18602884790169

Longitude: -90.30043351504543

Inspector:

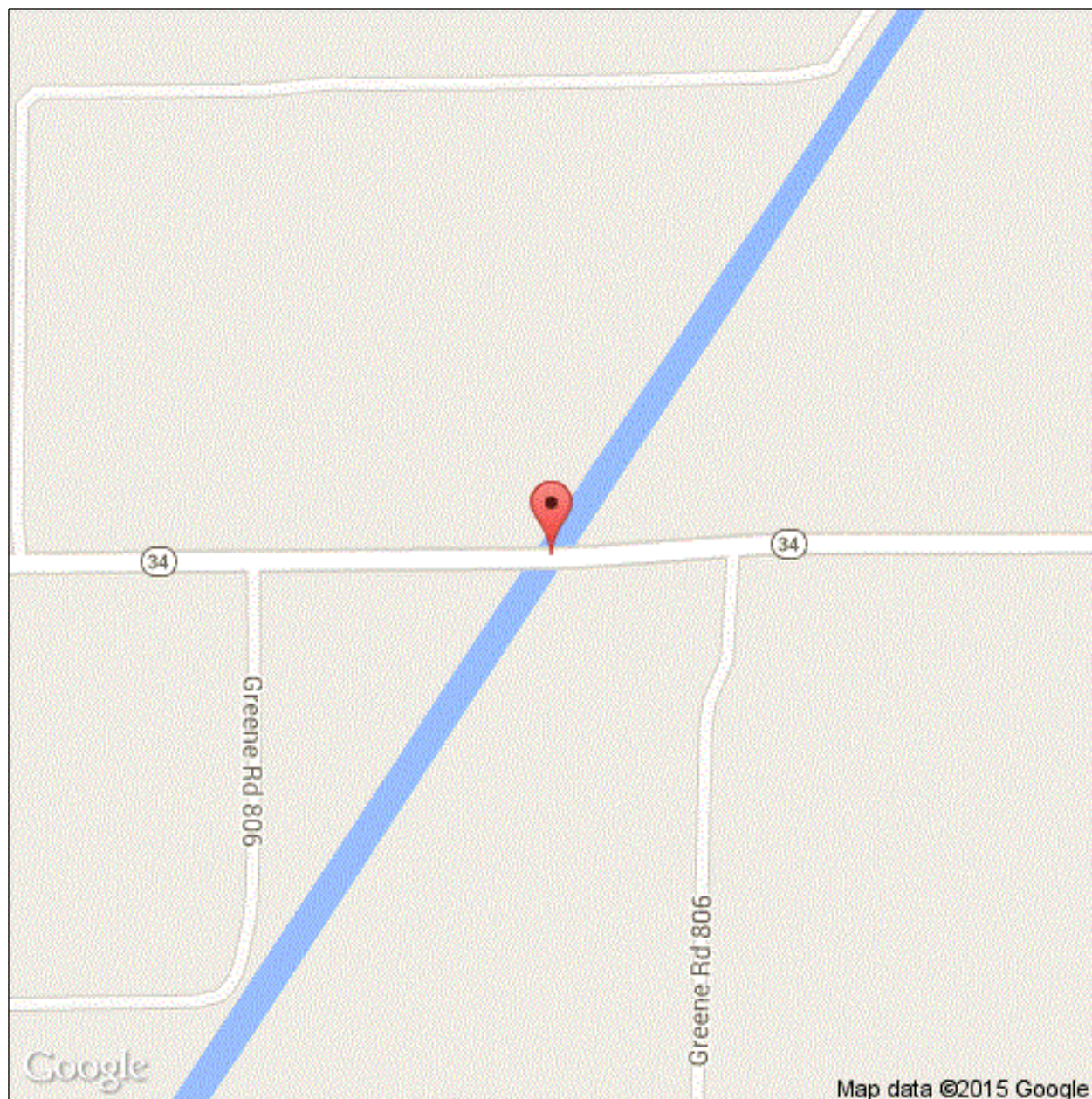
Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Location Map



Latitude: 36.18602884790169

Longitude: -90.30043351504543

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Location Map



Latitude: 36.18602884790169

Longitude: -90.30043351504543

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Executive Summary

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	05/09/2018
(8) STRUCTURE NUMBER	M3818	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 34 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 055	A. FRACTURE CRITICAL DETAIL	Y 24 05/09/2018
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BIG SLOUGH DITCH	C. OTHER SPECIAL	Y 3 08/21/2018
(7) FACILITY CARRIED	SH 34-04- LM 12.09		
(9) LOCATION	4.5 E OF MARMADUKE		
(11) MILEPOINT 12.090	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 36.18602884790169	(17) LONGITUDE -90.30043351504543		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	5
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(59) SUPERSTRUCTURE	3
B) TYPE OF DESIGN/CONSTR: 10 - Truss - Thru		(60) SUBSTRUCTURE	4
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	6
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder			
(45) NUMBER OF SPANS IN MAIN	1 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
	0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1974 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	0
(42) TYPE OF SERVICE	ON 1 UNDER 5	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES	ON 02 UNDER 00	(64) OPERATING RATING	34
(29) AVERAGE DAILY TRAFFIC	490 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	21
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(70) BRIDGE POSTING	3
		(41) STRUCTURE OPEN/POSTED/CLOSED	P
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	80 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	3
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.4 RIGHT 0.4	(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	25.3	(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.)	32.2	(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.3	36B) TRANSITIONS:	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	36C) APPROACH GUARDRAIL:	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	36D) APPROACH GUARDRAIL ENDS:	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	22.7 STATUS 1
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT	763 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	0
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	5
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Element Inspection

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	4276	sq. ft.	3422	26	828	0
1080 - Delamination/Spall/Patched Area		241		0	26	215	0
1090 - Exposed Rebar		117		0	0	117	0
1130 - Cracking (RC and Other)		496		0	0	496	0
510 - Wearing Surfaces		3710	sq. ft.	3340	48	322	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		322		0	0	322	0
3220 - Crack (Wearing Surface)		48		0	48	0	0
107 - Steel Open Girder/Beam	1- Ben.	599	ft.	210	215	126	48
1000 - Corrosion		389		0	215	126	48
515 - Steel Protective Coating		3648	sq. ft.	269	1505	882	992
3440 - Effectiveness (Steel Protective Coatings)		3379		0	1505	882	992
120 - Steel Truss	1- Ben.	160	ft.	151	9	0	0
1900 - Distortion		9		0	9	0	0
515 - Steel Protective Coating		5850	sq. ft.	0	0	5850	0
3440 - Effectiveness (Steel Protective Coatings)		5850		0	0	5850	0
152 - Steel Floor Beam	1- Ben.	237	ft.	109	110	0	18
1000 - Corrosion		128		0	110	0	18
515 - Steel Protective Coating		1966	sq. ft.	889	0	925	152
3440 - Effectiveness (Steel Protective Coatings)		1077		0	0	925	152
162 - Steel Gusset Plate	1- Ben.	44	each	0	44	0	0
1000 - Corrosion		44		0	44	0	0
515 - Steel Protective Coating		132	sq. ft.	0	0	132	0
3440 - Effectiveness (Steel Protective Coatings)		132		0	0	132	0
216 - Timber Abutment	1- Ben.	52	ft.	37	0	0	15
1140 - Decay/Section Loss		15		0	0	0	15
228 - Timber Pile	1- Ben.	51	each	0	49	2	0
1140 - Decay/Section Loss		5		0	3	2	0
1150 - Check/Shake		46		0	46	0	0
234 - Reinforced Concrete Pier Cap	1- Ben.	13	ft.	13	0	0	0
235 - Timber Pier Cap	1- Ben.	78	ft.	10	48	4	16
1140 - Decay/Section Loss		20		0	0	4	16
1150 - Check/Shake		48		0	48	0	0
311 - Movable Bearing	1- Ben.	2	each	0	0	2	0
1000 - Corrosion		2		0	0	2	0
313 - Fixed Bearing	1- Ben.	2	each	0	0	2	0
1000 - Corrosion		2		0	0	2	0
330 - Metal Bridge Railing	1- Ben.	338	ft.	178	160	0	0
1000 - Corrosion		160		0	160	0	0

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Element Inspection

Main - Truss span

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	2024	sq. ft.	1624	0	400	0
1080 - Delamination/Spall/Patched Area		80				80	
1090 - Exposed Rebar		80				80	
1130 - Cracking (RC and Other)		240				240	
510 - Wearing Surfaces		1760	sq. ft.	1552	48	160	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		160				160	
3220 - Crack (Wearing Surface)		48			48		
120 - Steel Truss	1- Ben.	160	ft.	151	9	0	0
1900 - Distortion		9			9		
515 - Steel Protective Coating		5850	sq. ft.	0	0	5850	0
3440 - Effectiveness (Steel Protective Coatings)		5850				5850	
152 - Steel Floor Beam	1- Ben.	237	ft.	109	110	0	18
1000 - Corrosion		128			110		18
515 - Steel Protective Coating		1966	sq. ft.	889	0	925	152
3440 - Effectiveness (Steel Protective Coatings)		1077				925	152
162 - Steel Gusset Plate	1- Ben.	44	each	0	44	0	0
1000 - Corrosion		44			44		
515 - Steel Protective Coating		132	sq. ft.	0	0	132	0
3440 - Effectiveness (Steel Protective Coatings)		132				132	
311 - Movable Bearing	1- Ben.	2	each	0	0	2	0
1000 - Corrosion		2				2	
313 - Fixed Bearing	1- Ben.	2	each	0	0	2	0
1000 - Corrosion		2				2	
330 - Metal Bridge Railing	1- Ben.	160	ft.	0	160	0	0
1000 - Corrosion		160			160		

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Element Inspection

Approach - Steel girder spans

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	2252	sq. ft.	1798	26	428	0
1080 - Delamination/Spall/Patched Area		161			26	135	
1090 - Exposed Rebar		37				37	
1130 - Cracking (RC and Other)		256				256	
510 - Wearing Surfaces		1950	sq. ft.	1788	0	162	0
3210 - Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)		162				162	
107 - Steel Open Girder/Beam	1- Ben.	599	ft.	210	215	126	48
1000 - Corrosion		389			215	126	48
515 - Steel Protective Coating		3648	sq. ft.	269	1505	882	992
3440 - Effectiveness (Steel Protective Coatings)		3379			1505	882	992
216 - Timber Abutment	1- Ben.	52	ft.	37	0	0	15
1140 - Decay/Section Loss		15					15
228 - Timber Pile	1- Ben.	51	each	0	49	2	0
1140 - Decay/Section Loss		5			3	2	
1150 - Check/Shake		46			46		
234 - Reinforced Concrete Pier Cap	1- Ben.	13	ft.	13			
235 - Timber Pier Cap	1- Ben.	78	ft.	10	48	4	16
1140 - Decay/Section Loss		20				4	16
1150 - Check/Shake		48			48		
330 - Metal Bridge Railing	1- Ben.	178	ft.	178	0		

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Pictures

PHOTO 1

Description microstation sketch

PHOTO 1

Description M3818 Soundings 6-2-2015

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Pictures



**M3818
Left Side of Bent 4
Roller Bearing Truss Support**

PHOTO 1

Description M3818 Left Side of Bent 4 Roller Bearing Truss Support 6-6-2012

PHOTO 2

Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Pictures



PHOTO 3

Description M3818 Left Side of Bent 3 Fixed Bearing Truss Support 6-6-2012

PHOTO 2

Description FC Form III

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Pictures



PHOTO 4

Description M3818 Bottom View of Truss 6-6-2012



PHOTO 5

Description M3818 Bottom side of Truss Gr connection to bottom cord 6-6-2012

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Pictures

PHOTO 5

Description FC sketch



PHOTO 6

Description M3818 Lt side truss side view 6-6-2012

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Pictures



PHOTO 8

Description M3818 Roadway view of truss 6-6-2012

PHOTO 8

Description FC Procedure

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Sketches

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/1/2011 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

L6 Lt - lower chord batten plate has section loss with several holes rusted through. Lower chord has debris buildup inside. Top flange of interior channel of lower chord has section loss

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/1/2011 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Deck and wearing surface have delaminated areas and/or spalls along joints.
Gutter lines have areas of abrasion, patches, and some spalled areas.
Soffit has a few spalls with exposed rebar, especially at drain openings.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/09/2018

Priority: C - Important

Work Code:

Deficiency Description:

Floorbeam and lower lateral connections have pack rust and section loss around bottom flange. Several bolts and/or rivet heads have heavy section loss at these locations.

L8 floor beam has 3.5' of moderate section loss along bottom of web and bottom flange on Rt end. Bottom flange is knife edged for 1'.

Work Description:

Date Repairs Completed:

Maintenance Comments:

replacement project fall 2018 KAW 6/15/18

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/6/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Bent 1 piles 1, 2, and 5 have moderate outside decay near groundline. (up to 1")

Bent 4 piles 9B and pile 10 under right concrete cap has been replaced with new pile splice, 1" – 3" outside decayed below splice still exist, see 2017 photo of pile 9B.

Bent 4 pile 11A has been spliced, but has a 2" section cut out on Rt side.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Stage: Monitor



PHOTO 2 Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/6/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Drift buildup at bents 2 and 3.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 5/28/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Truss Bearings have heavy pack rust and are frozen from corrosion.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 5/28/2013 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Ends of Majority of Girders (3 ft.- 4 ft. typical)
are rusted with initial to minor measurable section loss (1/4 in. typical) to web and bottom flanges.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 5/28/2013 12:00:00 AM

Priority: B - Pressing; 6 month completion goal

Work Code:

Deficiency Description:

Bent 1 cap is decayed and partially hollow; beginning to show some crushing from pile 3 to pile 7.

Work Description:

Date Repairs Completed:

Maintenance Comments:

will continue to monitor - replacement project in fall 2018 KAW 6/15/18

Stage: Monitor



PHOTO 1 Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 5/29/2014 12:00:00 AM

Priority: B - Pressing; 6 month completion goal

Work Code:

Deficiency Description:

Span 1 bent 1 girder 2 has a 3.5' x by up to 8" area of moderate to heavy section loss along bottom of web with a 3" x 1" hole 9" from end of girder.

Span 1 bent 1 girder 3 has a 3' x up to 4" area of section loss along bottom of web with a 9" x 1.5" hole 4" from end of girder.

Span 1 bent 1 girder 6 has a 4" x 1" hole in bottom of web.

Span 4 bent 4 girder 5 has 2' of heavy section loss along bottom of web with a 9" x 1" hole 20" from end of girder.

Span 4 bent 5 girder 2 has 1.5' of heavy section loss with a 1" diameter hole 18" from end of girder.

Span 4 bent 5 girder 7 has a 10" x up to 3" hole in bottom of web 10" from end of girder.

Work Description:

Date Repairs Completed:

Maintenance Comments:

bridge crew busy on other projects at this time, will continue to monitor and schedule repairs later

Stage: Monitor

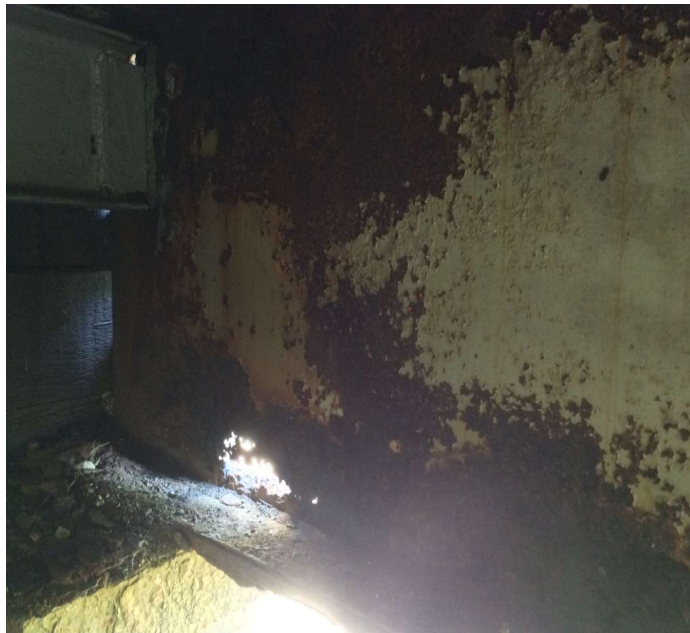


PHOTO 1 Description

Stage: Assigned



PHOTO 1 Description

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 2 Description

Stage: Assigned

Stage: Assigned



PHOTO 4 Description

Stage: Assigned



PHOTO 3 Description



PHOTO 5 Description

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Stage: Assigned



PHOTO 6 Description

Stage: Monitor



PHOTO 8 Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 5/29/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 2, Girder 2 over Bt. 2

has 3/8 in. section loss to One Ft. on end of Rt. side bottom flange at bearing.

Work Description:

Date Repairs Completed: 05/30/2017

Maintenance Comments:

Repaired with T-Splice

Date Reported: 5/29/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 1 side Bt. 2 cap has large split with out side decay and section loss 2 inches deep in middle of cap over piles 2 & 3 see 2014 photo.

Work Description:

Date Repairs Completed: 05/30/2017

Maintenance Comments:

Replaced Cap in 2014

Date Reported: 5/29/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 3 spacer block (12" x 12") on Rt end is decayed and partially hollow with 20% section loss. 1' is hollow on end. Lt end has some core decay and decay on bottom.

Bent 4 spacer block (12" x 12") has 6" on Lt end that is decayed and partially hollow with 20% section loss.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/09/2017

Priority: C - Important

Work Code:

Deficiency Description:

Span 1 bent 2 girder 1 has 4' of flaking rust with initial section loss.

Span 1 bent 2 girder 6 has 6' of moderate section loss along bottom flange.

Span 4 bent 4 girder 1 has 4' of moderate section loss along bottom of web and bottom flange. Bottom flange is beginning to knife edge.

Span 4 bent 4 girder 6 has 2' of moderate section loss along bottom of web and bottom flange.

Span 4 bent 5 girder 1 has 3' of moderate to heavy section loss along bottom of web and bottom flange. Bottom flange is knife edged.

Span 4 bent 5 girder 3 has 4' of moderate section loss along bottom of web.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Stage: Open



PHOTO 2 Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Stage: Open



PHOTO 3 Description

Stage: Open

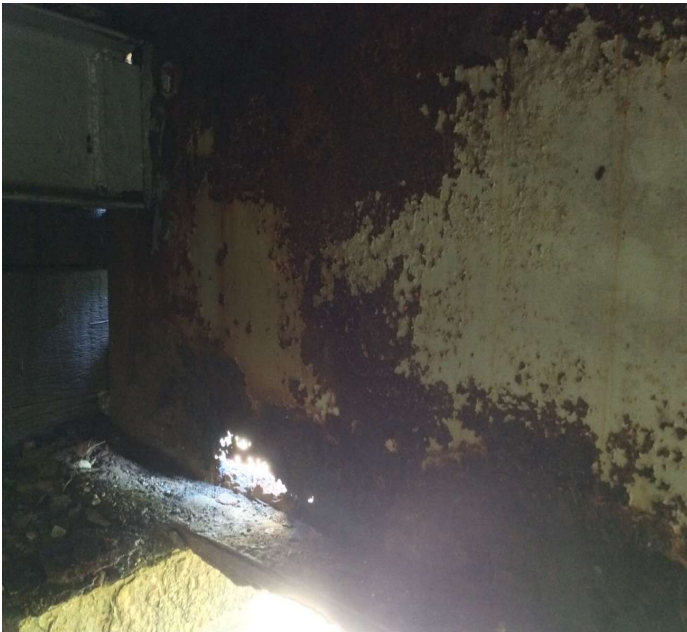


PHOTO 4 Description

Stage: Open



PHOTO 5 Description

Inspector:

Structure Number: M3818

Inspection Date:

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Date Reported: 05/09/2018

Priority: A - Safety deficiency; requires prompt action

Work Code:

Deficiency Description:

Span 4 bent 4 girder 2 has 2.5' x up to 4" of heavy section loss with a 1.5" x 1" hole 32" from end of girder, and a few small pin holes 20" from end. Web has some crushing ahead of bearing.

Span 4 bent 4 girder 3 has a 3' area of heavy section loss to bottom of web with a 18" x 1" hole 11" from end of girder with some possible crushing. Top of web near diaphragm connection has a pin hole rusted through web. Bottom flange has some knife edge.

Span 4 bent 4 girder 4 has 2' of heavy section loss along bottom of web with a 10" x 1" hole 9" from end of girder.

Span 4 bent 4 girder 7 has 5.5' moderate to heavy section loss along bottom of web and bottom flange. Bottom flange is knife edged. Web has heavy section loss with some possible crushing. Top of web near diaphragm connection has a 3" x 2" hole.

Top of web near midspan has a 14" x up to 4" hole through web.

Top of web near ¾ point has a 15" x 9" tall area of heavy section loss with several small holes rusted through.

Span 4 bent 5 girder 4 has a 7.5" x 1" hole in bottom of web 3" from end of girder. Web is beginning to crush.

Work Description:

Priority moved from CF to A based on bridge rated on 6/11/2018 considering current condition. Bridge scheduled for replacement 9/2018.

CSL 6/11/2018.

Date Repairs Completed:

Maintenance Comments:

Will continue to monitor, but not able to schedule repairs at this time due to other priorities. KAW 6-15-18

Stage: Open

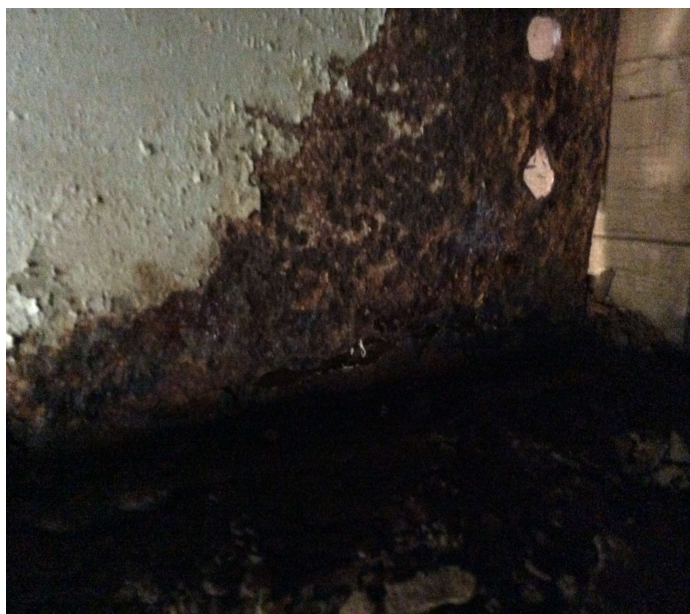


PHOTO 1 Description

Inspector:

Inspection Date:

Structure Number: M3818

Facility Carried: SH 34-04- LM 12.09

Bridge Inspection Report

Maintenance Needs

Stage: Open



PHOTO 2 Description

Stage: Open



PHOTO 3 Description

Stage: Open



PHOTO 4 Description

Stage: Open



PHOTO 5 Description