

Bridge Inspection Report

06603

US 67-17- LM 19.17

over

BIG RUNNING WATER CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	6
ELEMENTS	7
PICTURES	8
SKETCHES	11

Inspector:

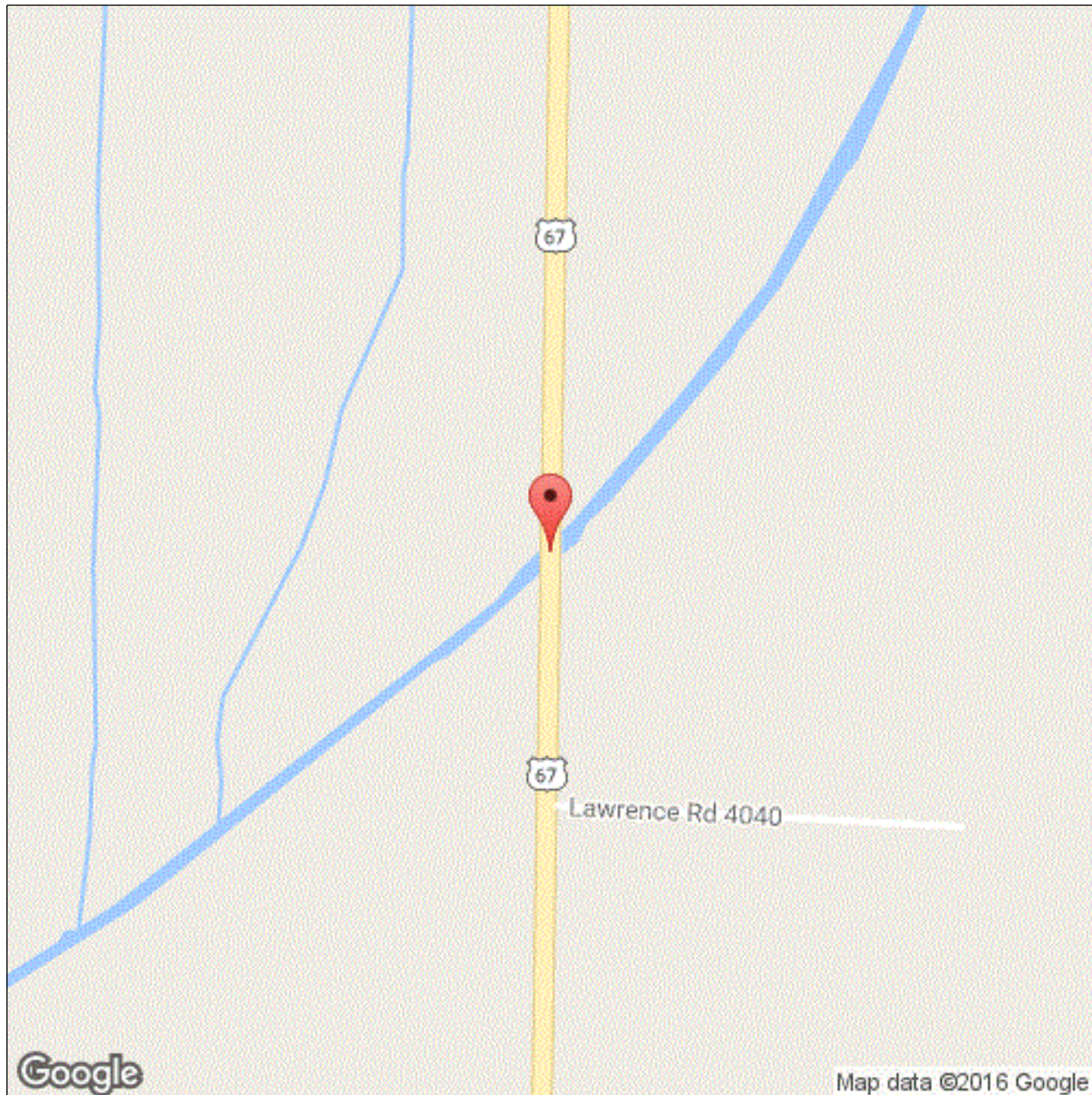
Structure Number: 06603

Inspection Date:

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Location Map



Latitude: 36.14247

Longitude: -90.95654

Inspector:

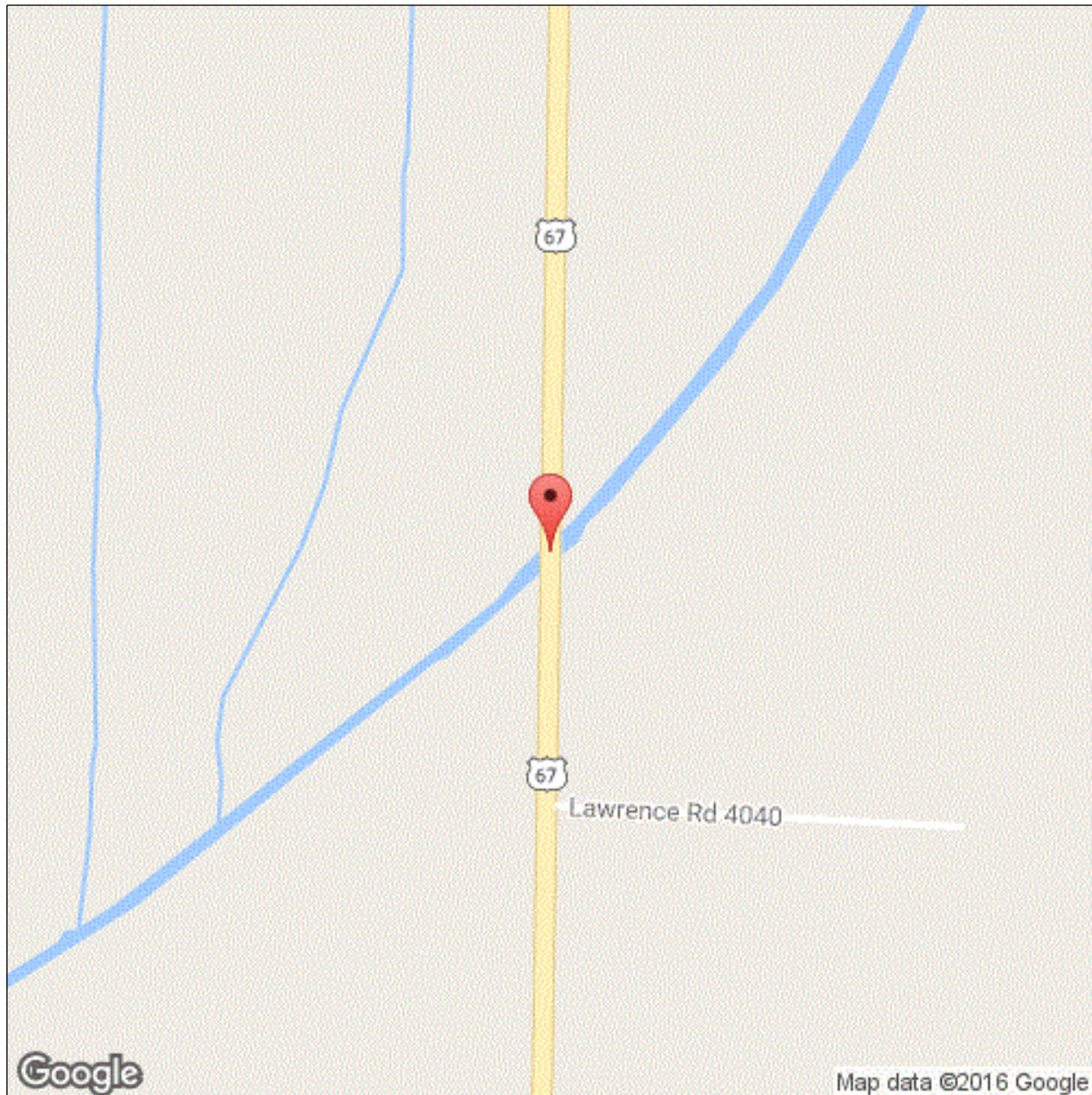
Structure Number: 06603

Inspection Date:

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Location Map



Latitude: 36.14247

Longitude: -90.95654

Inspector:

Inspection Date:

Structure Number: 06603

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Executive Summary

Inspector:

Structure Number: 06603

Inspection Date:

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	09/18/2018
(8) STRUCTURE NUMBER	06603	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 67 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 075	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BIG RUNNING WATER CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 67-17- LM 19.17		
(9) LOCATION	0.57 MI SO RANDOLPH CO LI		
(11) MILEPOINT 19.17	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000067170 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE	36.14247 (17) LONGITUDE -90.95654		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous	(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(61) CHANNEL & CHANNEL PROTECTION	6 (62) CULVERT N
(44) STRUCTURE TYPE, APPROACH SPANS			
A) KIND OF MATERIAL/DESIGN:	0 - Other		
B) TYPE OF DESIGN/CONSTR:	00 - Other		
(45) NUMBER OF SPANS IN MAIN	3 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1998 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE	ON 1 UNDER 5	(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES	ON 05 UNDER 00	(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC	9056 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.)	52 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(68) DECK GEOMETRY	5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	69.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	72.8	(71) WATERWAY ADEQUACY	9
(32) APPROACH ROADWAY WIDTH (ft.)	69.9	(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:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	71.2	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:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	SUFFICIENCY RATING	87.7 STATUS 0
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	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(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	8497 (115) YEAR OF FUTURE ADT	(103) TEMP STRUCTURE	
	2028	(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(37) HISTORICAL	5
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	1
		(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: 06603

Inspection Date:

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	9660	sq. ft.	8421	1230	9	0
1120 - Efflorescence/Rust Staining		9				9	
1130 - Cracking (RC and Other)		1230			1230		
107 - Steel Open Girder/Beam	1- Ben.	1326	ft.	1317	0	9	0
1000 - Corrosion		9				9	
515 - Steel Protective Coating		11565	sq. ft.	0	11531	34	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		11565			11531	34	
215 - Reinforced Concrete Abutment	1- Ben.	245	ft.	238	0	7	0
1090 - Exposed Rebar		3				3	
1130 - Cracking (RC and Other)		4				4	
227 - Reinforced Concrete Pile	1- Ben.	20	each	20			
234 - Reinforced Concrete Pier Cap	1- Ben.	201	ft.	201			
302 - Compression Joint Seal	1- Ben.	205	ft.	164	41	0	0
2320 - Seal Adhesion		41			41		
311 - Movable Bearing	1- Ben.	20	each	0	0	20	0
1000 - Corrosion		20				20	
313 - Fixed Bearing	1- Ben.	20	each	0	20	0	0
1000 - Corrosion		20			20		
321 - Reinforced Concrete Approach Slab	1- Ben.	3942	sq. ft.	3708	0	234	0
1130 - Cracking (RC and Other)		234				234	
331 - Reinforced Concrete Bridge Railing	1- Ben.	266	ft.	230	36	0	0
1120 - Efflorescence/Rust Staining		28			28		
1130 - Cracking (RC and Other)		8			8		

Inspector:

Inspection Date:

Structure Number: 06603

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Pictures

PHOTO 1

Description channel profile

PHOTO 1

Description

Inspector:

Inspection Date:

Structure Number: 06603

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Pictures

PHOTO 1

Description

PHOTO 2

Description

Inspector:

Inspection Date:

Structure Number: 06603

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Pictures

PHOTO 3

Description

PHOTO 4

Description

Inspector:

Inspection Date:

Structure Number: 06603

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Sketches

Inspector:

Structure Number: 06603

Inspection Date:

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/13/2011 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Channel

4.8 ft. loss of pile penetration at Bt. # 2 resulting from recent floods. Channel sounded 10-18-2012 channel has silted in some since 06-13-2011.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 10/18/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Approach slabs have a few unsealed diagonal cracks.

Gutters have a few minor spalls.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 10/18/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Log mile signs are missing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 06603

Inspection Date:

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/18/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Deck has a few unsealed transverse and longitudinal cracks.
Poured seals over saw cut joints have a few sections missing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 10/6/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Bent 1 abutment is undermined from center line to Rt end up to 1' below and 1.5' back under.
Embankment at bent 4 abutment has minor erosion at top of slope near center line with some rip rap displacement.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 06603

Inspection Date:

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Maintenance Needs

Date Reported: 08/22/2016

Priority: C - Important

Work Code:

Deficiency Description:

Bent 2 bearing 1 anchor bolt is sticking out of cap approximately 1'

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Inspector:

Structure Number: 06603

Inspection Date:

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Maintenance Needs

Date Reported: 09/18/2018

Priority: C - Important

Work Code:

Deficiency Description:

Moveable bearings over bents 1 and 4 have pack rust and section loss.

Span 1 girder 7 has some flaking rust on top flange from leakage through deck.

Span 1 bent 1 girder 10 has 5' of flaking rust with initial section loss along bottom of web and bottom flange near bearing.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Span 1 bent 1 girder 10

Inspector:

Structure Number: 06603

Inspection Date:

Facility Carried: US 67-17- LM 19.17

Bridge Inspection Report

Maintenance Needs

Date Reported: 09/18/2018

Priority: C - Important

Work Code:

Deficiency Description:

Compression seals have a few areas beginning to lose adhesion.

Work Description:

Date Repairs Completed:

Maintenance Comments:
