

Bridge Inspection Report

M0228
SH 8 S-6 LM 5.13
over
CYPRESS CR



Inspection Date:

Inspected By:

Inspection Type(s):

TABLE OF CONTENTS

	PAGE NUMBER
LOCATION MAP	3
NATIONAL BRIDGE INVENTORY	7
ELEMENTS	8
PICTURES	9
SKETCHES	10

Inspector:

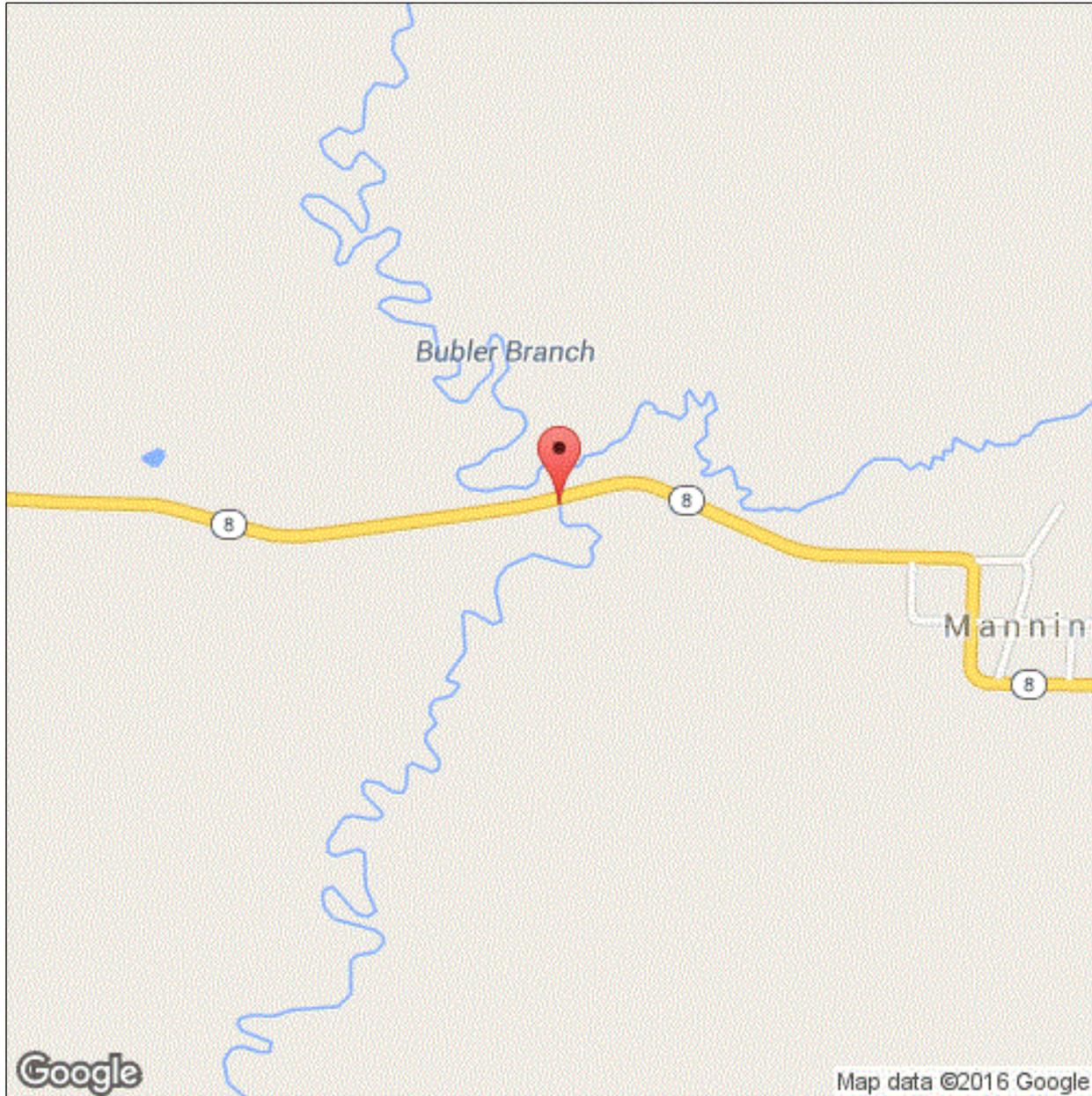
Structure Number: M0228

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Location Map



Latitude: 34.02327

Longitude: -92.80227

Inspector:

Structure Number: M0228

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Location Map



Latitude: 34.02327
Longitude: -92.80227

Inspector:

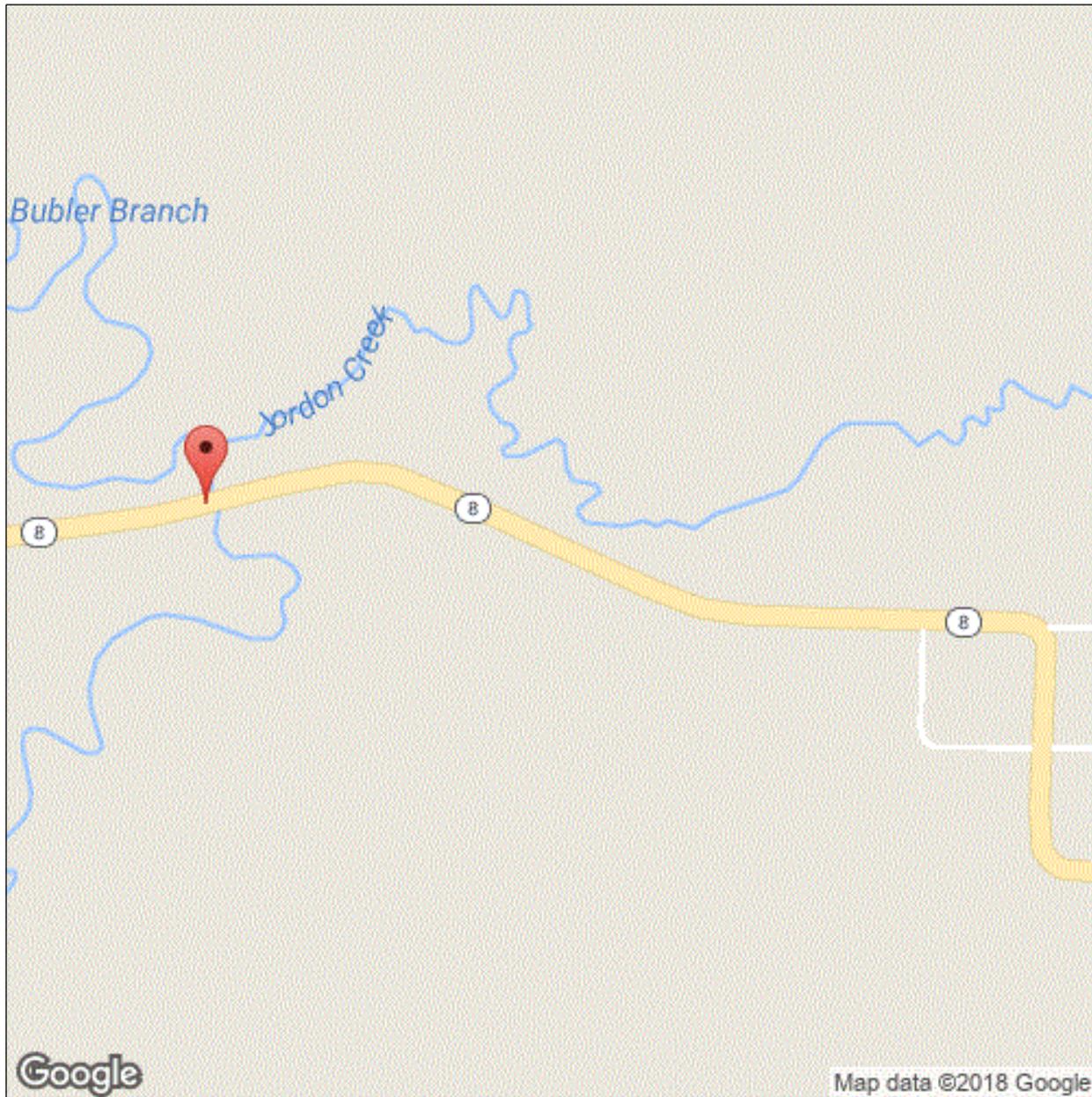
Structure Number: M0228

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Location Map



Latitude: 34.02327

Longitude: -92.80227

Inspector:

Inspection Date:

Structure Number: M0228

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Executive Summary

This structure is logged from West to East.

Inspector:

Structure Number: M0228

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION				INSPECTIONS			
(1) STATE CODE	056 - Arkansas			(90) INSPECTION DATE	02/13/2018		
(8) STRUCTURE NUMBER	M0228			(91) DESIGNATED INSPECTION FREQUENCY	24		
(5) INV. ROUTE (ON/UNDER)	1	3	1 8 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE		
(2) HIGHWAY AGENCY	07	(3) COUNTY CODE	039	A. FRACTURE CRITICAL DETAIL	N		
(4) PLACE CODE	00000			B. UNDERWATER INSPECTION	N		
(6) FEATURES INTERSECTED	CYPRESS CR			C. OTHER SPECIAL	N		
(7) FACILITY CARRIED	SH 8 S-6 LM 5.13			CONDITION			
(9) LOCATION	5.17 MI E OF SH 7			(58) DECK	6		
(11) MILEPOINT 5.130	(12) BASE HIGHWAY NETWORK 1			(59) SUPERSTRUCTURE 5	(60) SUBSTRUCTURE 6		
(13A) LRS INVENTORY ROUTE	0000008060	(13B) SUBROUTE NUMBER 00		(61) CHANNEL & CHANNEL PROTECTION	5	(62) CULVERT N	
(16) LATITUDE	34.02327	(17) LONGITUDE -92.80227		LOAD RATING AND POSTING			
(98A) BORDER BRIDGE CODE				(31) DESIGN LOAD	2		
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT			(63) METHOD USED TO DETERMINE OPERATING RATING	1		
STRUCTURE TYPE AND MATERIAL				(64) OPERATING RATING	60.0		
(43) STRUCTURE TYPE, MAIN				(65) METHOD USED TO DETERMINE INVENTORY RATING	1		
A) KIND OF MATERIAL/DESIGN:	1 - Concrete			(66) INVENTORY RATING	36.0		
B) TYPE OF DESIGN/CONSTR:	22 - Channel Beam			(70) BRIDGE POSTING	5		
(44) STRUCTURE TYPE, APPROACH SPANS				(41) STRUCTURE OPEN/POSTED/CLOSED	A		
A) KIND OF MATERIAL/DESIGN:	0 - Other			APPRAISAL			
B) TYPE OF DESIGN/CONSTR:	00 - Other			(67) STRUCTURAL EVALUATION	5		
(45) NUMBER OF SPANS IN MAIN	5	(46) NUMBER OF APPROACH 0		(68) DECK GEOMETRY	4		
(107) DECK STRUCTURE TYPE	2	(108A) WEARING SURFACE 6		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N		
(108B) DECK MEMBRANE	0	(108C) DECK PROTECTION 0		(71) WATERWAY ADEQUACY	5		
AGE OF SERVICE				(72) APPROACH ROADWAY ALIGNMENT	6		
(27) YEAR BUILT	1954	(106) YEAR RECONSTRUCTED 0000		(36) TRAFFIC SAFETY FEATURE			
(42) TYPE OF SERVICE	ON 1	UNDER 5		36A) BRIDGE RAILINGS:	0		
(28) LANES	ON 02	UNDER 00		36B) TRANSITIONS:	0		
(29) AVERAGE DAILY TRAFFIC	230	(19) BYPASS DETOUR LENGTH 13		36C) APPROACH GUARDRAIL:	0		
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014			36D) APPROACH GUARDRAIL ENDS:	0		
(109) AVERAGE DAILY TRUCK TRAFFIC	1			(113) SCOUR CRITICAL BRIDGES	5		
GEOMETRIC DATA				SUFFICIENCY RATING	71.7	STATUS 0	
(48) LENGTH OF MAX SPAN (ft.)	19	(49) STRUCTURE LENGTH (ft.) 95		CLASSIFICATION			
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0	RIGHT 0		(112) NBIS BRIDGE LENGTH	Y		
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	23.6			(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	25.3			(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06		
(32) APPROACH ROADWAY WIDTH (ft.)	29.9			(100) STRAHNET HIGHWAY DESIGNATION	0		
(33) BRIDGE MEDIAN	0	(34) SKEW (DEG.) 0		(101) PARALLEL STRUCTURE DESIGNATION	N		
(35) STRUCTURE FLARED	0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99		(102) DIRECTION OF TRAFFIC	2		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	25.6			(103) TEMP STRUCTURE			
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99			(105) FEDERAL LANDS HIGHWAYS	0		
(54) VERTICAL UNDER CLEARANCE (ft.)	N	0		(110) DESIGNATED NATIONAL NETWORK	0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N	99.9		(20) TOLL	3		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0			(21) MAINTENANCE RESPONSIBILITY	01		
PROPOSED IMPROVEMENTS				(22) OWNER	01		
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY			(37) HISTORICAL	5		
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0			NAVIGATION DATA			
(94) BRIDGE IMPROVEMENT COST (\$)	0			(38) NAVIGATION CONTROL	0		
(95) ROADWAY IMPROVEMENT COST (\$)	0			(111) PIER OR ABUTMENT PROTECTION	1		
(96) TOTAL PROJECT COST	0			(39) NAV VERT CLEARANCE (ft.)	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE				(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0		
(114) FUTURE ADT	339	(115) YEAR OF FUTURE ADT 2028		(40) NAV HORIZONTAL CLEARANCE (ft.)	0		

Inspector:

Structure Number: M0228

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	2404	sq. ft.	2404			
Cracks in the wearing surface are over the shear key grout joints.							
510 - Wearing Surfaces		2052	sq. ft.	1452	600	0	0
3220 - Crack (Wearing Surface)		600			600		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	665	ft.	495	0	170	0
Pc units all spans cracks and spalls with exposed steel, minor to moderate section loss. See pictures.							
1080 - Delamination/Spall/Patched Area		70				70	
1090 - Exposed Rebar		50				50	
1130 - Cracking (RC and Other)		50				50	
215 - Reinforced Concrete Abutment	1- Ben.	51	ft.	26	25	0	0
Abutment 1 left side is undermined. Maint. repaired post flood roadway washout several years back old repair is beginning to undermine.							
6000 - Scour		25			25		
228 - Timber Pile	1- Ben.	20	each	19	0	1	0
Pile 1 bent 1 rotten with holes.							
1140 - Decay/Section Loss		1				1	
234 - Reinforced Concrete Pier Cap	1- Ben.	101	ft.	101			
304 - Open Expansion Joint	1- Ben.	76	ft.	76			
330 - Metal Bridge Railing	1- Ben.	190	ft.	0	190	0	0
Rusty							
1000 - Corrosion		190			190		

Inspector:

Inspection Date:

Structure Number: M0228

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Pictures

Inspector:

Inspection Date:

Structure Number: M0228

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Sketches

Inspector:

Structure Number: M0228

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Maintenance Needs

Date Reported: 2/14/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Channel
Bent 1 scour along and under cap with roadway settlement.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment 1 left

Stage: Monitor



PHOTO 2 Description Abutment 1 left side scour under wing

Inspector:

Inspection Date:

Structure Number: M0228

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description Abutment 1 scour back under the abutment.

Inspector:

Structure Number: M0228

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Maintenance Needs

Date Reported: 2/14/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

PC Units

Span 1 PC Units 1 & 2 cracks and spalls with exposed steel, Mod. sec. loss. Span 4 PC Units 6 & 7 cracks and spalls with exposed steel. Minor sec. loss. Span 2 units 2-5 cracks and spalls Mod. sec. loss.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description M0228 PC ut 2 span 1

Stage: Monitor



PHOTO 2 Description Span 2 PC units 2 & 4 have spalls with exposed steel.

Inspector:

Inspection Date:

Structure Number: M0228

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description Span 2 PC units 2 - 5 with spalls and exposed steel.

Inspector:

Structure Number: M0228

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Maintenance Needs

Date Reported: 2/14/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Pile 1 bent 1
Rotten

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description M0228 pile 1 bent 1 rotten with hole.

Stage: Monitor



PHOTO 2 Description Pile 1 bent 1 rotten

Inspector:

Structure Number: M0228

Inspection Date:

Facility Carried: SH 8 S-6 LM 5.13

Bridge Inspection Report

Maintenance Needs

Date Reported: 02/13/2018

Priority: C - Important

Work Code:

Deficiency Description:

Spans 3,4 and 5 have severe degradation with 3 & 4 being the worst, thus this is causing the channel to scour abutment 1. There is little or no flow under spans 3 & 4.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description Spans 3,4 and 5 have severe degradation with 3 & 4 being the worst, thus this is causing the channel to scour abutment 1. There is little or no flow under spans 3 & 4.