

Bridge Inspection Report

06105
SH 135-05- LM 6.71
over
GAINESVILLE CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 06105

Inspection Date:

Facility Carried: SH 135-05- LM 6.71

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/03/2016
(8) STRUCTURE NUMBER	06105	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 135 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 055	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	GAINESVILLE CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 135-05- LM 6.71		
(9) LOCATION	8.01 MI SE & CLAY CO LINE		
(11) MILEPOINT 6.710	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000135050 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 36.15922	(17) LONGITUDE -90.50966		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	8
A) KIND OF MATERIAL/DESIGN: 3 - Steel		(59) SUPERSTRUCTURE 7	(60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION 5	(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 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1988	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(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	60.0
(29) AVERAGE DAILY TRAFFIC 3500	(19) BYPASS DETOUR LENGTH 4	(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.) 35	(49) STRUCTURE LENGTH (ft.) 107	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 32.2		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 34.8		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 47.9		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 30	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 33.1		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(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	0 STATUS 91.9
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 4149	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(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

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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	3 - Mod.	3723	sq. ft.	3723			
107 - Steel Open Girder/Beam	3 - Mod.	525	ft.	465	60	0	0
	Ends of majority of girders are flaking, 3 ft. typical over Bent s 2&3.						
1000 - Corrosion		60			60	4	
515 - Steel Protective Coating		3734	sq. ft.	3394	340	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		340			340	28	
215 - Reinforced Concrete Abutment	3 - Mod.	96	ft.	96			
227 - Reinforced Concrete Pile	1 - Ben.	10	each	10			
234 - Reinforced Concrete Pier Cap	3 - Mod.	76	ft.	76			
302 - Compression Joint Seal	3 - Mod.	148	ft.	74	0	74	0
2330 - Seal Damage		74				74	
311 - Movable Bearing	3 - Mod.	15	each	0	15	0	0
1000 - Corrosion		15			15		
313 - Fixed Bearing	3 - Mod.	15	each	0	15	0	0
1000 - Corrosion		15			15		
331 - Reinforced Concrete Bridge Railing	3 - Mod.	215	ft.	215			

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Bridge Inspection Report

Maintenance Needs

Date Reported: 4/2/2012 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Channel

Previous heavy erosion under Spans 1 & 2. Approximately 5ft. loss of pile penetration on piles Bent 2 as per layout sheet, see 2014photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

Structure Number: 06105

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Bridge Inspection Report

Maintenance Needs

Date Reported: 03/07/2017

Priority: D - Routine

Work Code:

Deficiency Description:

Ends of several of steel girders,

have some flaking, 1 ft. typical, especially Bent 3. Girders 3 & 4 Spans 2 & 3 over Bt.3 (4ft. total)

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 4/1/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

8 ft Rt. end Bt. 1 abutment,

is undermined 3 ft. back under abutment, one pile visible. Previous stone rip rap repair has some minor settlement and displacement due to roadway runoff see 2014 photo.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 03/07/2017

Priority: D - Routine

Work Code:

Deficiency Description:

Compression seals Bents 2&3 have torn split and leaking

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description