

Bridge Inspection Report

03301

SH 16/Cleburne Co.

over

DEVILS FORK-GR FR LK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 03301

Inspection Date:

Facility Carried: SH 16/Cleburne Co.

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	11/16/2016
(8) STRUCTURE NUMBER	03301	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 16 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 023	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	27900	B. UNDERWATER INSPECTION	Y 60 8/12/2013
(6) FEATURES INTERSECTED	DEVILS FORK-GR FR LK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 16/Cleburne Co.		
(9) LOCATION	1.3 MI S OF EDMONT		
(11) MILEPOINT 4.959	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.59686	(17) LONGITUDE -92.17538		
(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	8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	7
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	8
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 4	(46) NUMBER OF APPROACH 2		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1960	(106) YEAR RECONSTRUCTED 1986	(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 2600	(19) BYPASS DETOUR LENGTH 40	(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
GEOMETRIC DATA		(41) STRUCTURE OPEN/POSTED/CLOSED	A
(48) LENGTH OF MAX SPAN (ft.) 350	(49) STRUCTURE LENGTH (ft.) 1391		
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0			
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	32.2		
(52) DECK WIDTH, OUT-TO-OUT (ft.)	34.9		
(32) APPROACH ROADWAY WIDTH (ft.)	43.0		
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0		
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99		
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	33.5		
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99		
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0		
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9		
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0		
PROPOSED IMPROVEMENTS		APPRAISAL	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(67) STRUCTURAL EVALUATION	7
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0		(68) DECK GEOMETRY	4
(94) BRIDGE IMPROVEMENT COST (\$)	0	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(95) ROADWAY IMPROVEMENT COST (\$)	0	(71) WATERWAY ADEQUACY	8
(96) TOTAL PROJECT COST	0	(72) APPROACH ROADWAY ALIGNMENT	8
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(36) TRAFFIC SAFETY FEATURE	
(114) FUTURE ADT 4049	(115) YEAR OF FUTURE ADT 2028	36A) BRIDGE RAILINGS:	1
		36B) TRANSITIONS:	1
		36C) APPROACH GUARDRAIL:	1
		36D) APPROACH GUARDRAIL ENDS:	1
		(113) SCOUR CRITICAL BRIDGES	8
		SUFFICIENCY RATING	0
		STATUS	84.4
		CLASSIFICATION	
		(112) NBIS BRIDGE LENGTH	Y
		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
		(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
		(100) STRAHNET HIGHWAY DESIGNATION	0
		(101) PARALLEL STRUCTURE DESIGNATION	N
		(102) DIRECTION OF TRAFFIC	2
		(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	1
		(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

Rollup

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	48546	sq. ft.	42646	1100	4800	0
107 - Steel Open Girder/Beam	1- Ben.	5556	ft.	5540	16	0	0
515 - Steel Protective Coating		129852	sq. ft.	129852	0	0	0
210 - Reinforced Concrete Pier Wall	1- Ben.	180	ft.	119	23	38	0
215 - Reinforced Concrete Abutment	1- Ben.	113	ft.	113	0	0	0
301 - Pourable Joint Seal	1- Ben.	864	ft.	864	0	0	0
302 - Compression Joint Seal	1- Ben.	70	ft.	0	66	4	0
305 - Assembly Joint without Seal	1- Ben.	64	ft.	48	16	0	0
7000 - Damage		16		0	16	0	0
310 - Elastomeric Bearing	1- Ben.	24	each	24	0	0	0
515 - Steel Protective Coating		72	sq. ft.	72	0	0	0
313 - Fixed Bearing	1- Ben.	12	each	12	0	0	0
515 - Steel Protective Coating		144	sq. ft.	144	0	0	0
331 - Reinforced Concrete Bridge Railing	1- Ben.	2782	ft.	2582	200	0	0
1130 - Cracking (RC and Other)		150		0	150	0	0

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Main Spans

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	41147	sq. ft.	35747	600	4800	0
	See attached Form III for detailed locations and descriptions of deficiencies.						
1120 - Efflorescence/Rust Staining		600			600		
1130 - Cracking (RC and Other)		4800				4800	
107 - Steel Open Girder/Beam	1- Ben.	4708	ft.	4692	16	0	0
	See attached Form III for detailed locations and descriptions of deficiencies.						
1020 - Connection		16			16		
515 - Steel Protective Coating		117700	sq. ft.	117700			
210 - Reinforced Concrete Pier Wall	1- Ben.	180	ft.	119	23	38	0
	See attached Form III for detailed locations and descriptions of deficiencies.						
1080 - Delamination/Spall/Patched Area		18			18		
1090 - Exposed Rebar		26				26	
1120 - Efflorescence/Rust Staining		5			5		
1130 - Cracking (RC and Other)		12				12	
301 - Pourable Joint Seal	1- Ben.	800	ft.	800			
305 - Assembly Joint without Seal	1- Ben.	64	ft.	48	16	0	0
	Assembly Joints Drain trough is torn at Bent 1 from centerline to Left.						
7000 - Damage		16			16		
310 - Elastomeric Bearing	1- Ben.	8	each	8			
515 - Steel Protective Coating		40	sq. ft.	40			
313 - Fixed Bearing	1- Ben.	12	each	12			
515 - Steel Protective Coating		144	sq. ft.	144			
331 - Reinforced Concrete Bridge Railing	1- Ben.	2358	ft.	2208	150	0	0
	Minor vertical cracks to Bridge rail.						
1130 - Cracking (RC and Other)		150			150		

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Approach Spans

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	7399	sq. ft.	6899	500	0	0
	See attached Form III for detailed locations and descriptions of deficiencies.						
1130 - Cracking (RC and Other)		500			500		
107 - Steel Open Girder/Beam	1- Ben.	848	ft.	848			
515 - Steel Protective Coating		12152	sq. ft.	12152			
215 - Reinforced Concrete Abutment	1- Ben.	113	ft.	113			
301 - Pourable Joint Seal	1- Ben.	64	ft.	64			
302 - Compression Joint Seal	1- Ben.	70	ft.	0	66	4	0
	Seals are cracked and deteriorated.						
2340 - Seal Cracking		70			66	4	
310 - Elastomeric Bearing	1- Ben.	16	each	16			
515 - Steel Protective Coating		32	sq. ft.	32			
331 - Reinforced Concrete Bridge Railing	1- Ben.	424	ft.	374	50	0	0
	Minor vertical cracks to Bridge rail						
1130 - Cracking (RC and Other)		50			50		