

Bridge Inspection Report

03416

SH35 S5 Lm 12.28

over

BIG CREEK RELIEF



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 03416

Inspection Date:

Facility Carried: SH35 S5 Lm 12.28

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/20/2016
(8) STRUCTURE NUMBER	03416	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 35 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 025	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BIG CREEK RELIEF	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH35 S5 Lm 12.28		
(9) LOCATION	4.99 MI W JCT SH 15		
(11) MILEPOINT 12.288	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.83106	(17) LONGITUDE -92.08449		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	6
A) KIND OF MATERIAL/DESIGN: 1 - Concrete		(59) SUPERSTRUCTURE	5
B) TYPE OF DESIGN/CONSTR: 22 - Channel Beam		(60) SUBSTRUCTURE	6
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	7
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	7 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	2 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1961 (106) YEAR RECONSTRUCTED	(31) DESIGN LOAD	2
(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	45
(29) AVERAGE DAILY TRAFFIC	660 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	27
(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.)	19 (49) STRUCTURE LENGTH (ft.)	(67) STRUCTURAL EVALUATION	5
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.5 RIGHT 0.5	(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	(71) WATERWAY ADEQUACY	7
(32) APPROACH ROADWAY WIDTH (ft.)	22.0	(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.)	24.9	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	0
		STATUS	67.8
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	694 (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	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

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16 - Reinforced Concrete Top Flange	1- Ben.	3325	sq. ft.	0	3325	0	0
	Keyways rough with some missing grout, joints leaking. Normal wear and abrasion.						
1190 - Abrasion/Wear (PSC/RC)		3325			3325		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	1862	ft.	0	1412	450	0
	Numerous PC units have spalls with exposed steel moderate to severe section loss, cracks and spalls with little exposed steel. Some areas have both bottom strands exposed. Span 1 units 2,3,4,5,& 7 Span 2 units 3,6, & 7 Span 3 unit 5 Span 4 unit 1,2, & 5 Span 5 units 3,4, & 6 Span 6 units 3,5, & 6 Span 7 units 2 & 3						
1080 - Delamination/Spall/Patched Area		150				150	
1090 - Exposed Rebar		150				150	
1130 - Cracking (RC and Other)		150				150	
7000 - Damage		1412			1412		
204 - Prestressed Concrete Column	1- Ben.	18	each	6	12	0	0
	All columns bents 3-6 are "pebbled" from the high water line down with aggregates showing but still imbedded in the concrete.						
1190 - Abrasion/Wear (PSC/RC)		12			12		
215 - Reinforced Concrete Abutment	1- Ben.	50	ft.	25	25	0	0
	Approach roadway settlement abutment 1						
4000 - Settlement		25			25		
234 - Reinforced Concrete Pier Cap	1- Ben.	150	ft.	150			
306 - Other Joint	1- Ben.	150	ft.	0	150	0	0
	Leaking						
2310 - Leakage		150			150		
330 - Metal Bridge Railing	1- Ben.	266	ft.	266			
	Normal wear and corrosion						

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Maintenance Needs

Date Reported: 7/5/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

PC units cracked and spalled with packrust.

Span 1 units 2,3,4,5,& 7

Span 2 units 3,6, & 7

Span 3 unit 5

Span 4 unit 1,2, & 5

Span 5 units 3,4, & 6

Span 6 units 3,5, & 6

Span 7 units 2 & 3

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description

Stage: Assigned



PHOTO 2 Description

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Priority: D - Routine

Work Code:

Deficiency Description:

All columns bents 3-6 are "pebbled" from the high water line down with aggregates showing but still imbedded in the concrete.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description