

Bridge Inspection Report

M0801
SH35 Sec4 Lm 9.18
over
HARRISON CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: M0801

Inspection Date:

Facility Carried: SH35 Sec4 Lm 9.18

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	07/26/2016
(8) STRUCTURE NUMBER	M0801	(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	HARRISON CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH35 Sec4 Lm 9.18		
(9) LOCATION	.51 MI W JCT US 79		
(11) MILEPOINT 9.180	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.96053	(17) LONGITUDE -92.21008		
(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	5
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	6
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN	4 (46) NUMBER OF APPROACH		
(107) DECK STRUCTURE TYPE	2 (108A) WEARING SURFACE		
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION		
	0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT	1956 (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	50
(29) AVERAGE DAILY TRAFFIC	630 (19) BYPASS DETOUR LENGTH	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(66) INVENTORY RATING	29
(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 0.6 RIGHT 0.6	(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	23.6	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.)	25.3	(71) WATERWAY ADEQUACY	6
(32) APPROACH ROADWAY WIDTH (ft.)	22.0	(72) APPROACH ROADWAY ALIGNMENT	7
(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.)	25.6	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	68.3
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	890 (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
		(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

Note: Estim. 1.0" of ACHM overlay on deck

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
15 - Prestressed Concrete Top Flange	1- Ben.	1801	sq. ft.	0	1801	0	0
	AC OL joints leaking						
1190 - Abrasion/Wear (PSC/RC)		1801			1801		
510 - Wearing Surfaces		1801	sq. ft.	0	1801		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	532	ft.	0	412	120	0
	Span 1 PC units 2, 5, & 6; Span 2 PC units 4 & 6; Span 3 PC units 3, 4, 5, & 6; and Span 4 PC unit 6; have spalls with exposed steel / some packrust and sec. loss. to rebar.						
1080 - Delamination/Spall/Patched Area		40				40	
1090 - Exposed Rebar		40				40	
1130 - Cracking (RC and Other)		40				40	
7000 - Damage		412			412		
206 - Timber Column	1- Ben.	15	each	0	11	4	0
	All piles have abrasion and wear. Piles 1,4,5 bent 3 have cracks and holes, 5 has vegetation growing from the hole.						
1140 - Decay/Section Loss		2				2	
1150 - Check/Shake		2				2	
1180 - Abrasion/Wear (Timber)		11			11		
215 - Reinforced Concrete Abutment	1- Ben.	50	ft.	0	50	0	0
	General wear, some water leaching under abutments.						
1190 - Abrasion/Wear (PSC/RC)		50			50		
234 - Reinforced Concrete Pier Cap	1- Ben.	75	ft.	0	75		
	General wear.						
306 - Other Joint	1- Ben.	75	ft.	0	75	0	0
	Leaking						
2310 - Leakage		75			75		

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Maintenance Needs

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

Priority: D - Routine

Work Code:

Deficiency Description:

Span 1 PC units 2, 5, & 6; Span 2 PC units 4 & 6; Span 3 PC units 3, 4, 5, & 6; and Span 4 PC unit 6; have spalls with exposed steel / some packrust and sec. loss. to rebar.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 7/2/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Bent 3 Piles 4 & 5 have rotten spots and cracking just above water line, up the piling, with pile 5 being the worst. There is no sign of settlement over Bt. 3 at this time, and piling does not appear to have changed since 2012 inspection. Pile 5 is the piling listed as Bt. 3 pile 1, this is due to being logged backwards.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 7/2/2014 12:00:00 AM

Priority: C - Important

Work Code:

Deficiency Description:

Span 2 @ Bent 2 - Drift against Bt. 2 and under bridge @ span 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 7/2/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Bent 3 Pile 1 has a rotten spot with vegetation growing out of it.

Work Description:

Date Repairs Completed:

Maintenance Comments:

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Maintenance Needs

Date Reported: 07/26/2016

Priority: C - Important

Work Code:

Deficiency Description:

Piles 1,4,5 bent 3 rotten areas. Piles 1 & 5 have holes and # 1 has vegetation growing out of it.
PC Unit 6 span 4 has very degraded stems, cracks, spalls, exposed steel with heavy pack rust etc.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description

Stage: Open



PHOTO 2 Description

Inspector:

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Maintenance Needs

Stage: Open



PHOTO 3 Description

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Date Reported: 07/26/2016

Priority: D - Routine

Work Code:

Deficiency Description:

Span 1 PC units 2, 5, & 6; Span 2 PC units 4 & 6; Span 3 PC units 3, 4, 5, & 6; have spalls with exposed steel / some packrust and sec. loss. to rebar.

Work Description:

Date Repairs Completed:

Maintenance Comments:
