

Bridge Inspection Report

05148

SH 53 SEC O

over

SO FK TERRE NOIR CR REL



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 05148

Inspection Date:

Facility Carried: SH 53 SEC O

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	02/01/2017
(8) STRUCTURE NUMBER	05148	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 53 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	07 (3) COUNTY CODE 019	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	SO FK TERRE NOIR CR REL	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 53 SEC O	CONDITION	
(9) LOCATION	.89 MI SOUTH JCT I30	(58) DECK	6
(11) MILEPOINT 17.050	(12) BASE HIGHWAY NETWORK 1	(59) SUPERSTRUCTURE	6 (60) SUBSTRUCTURE 7
(13A) LRS INVENTORY ROUTE	0000053000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	7 (62) CULVERT N
(16) LATITUDE 33.98575	(17) LONGITUDE -93.18431	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	6
(45) NUMBER OF SPANS IN MAIN	6 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	2 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	7
		(72) APPROACH ROADWAY ALIGNMENT	6
AGE OF SERVICE		(36) TRAFFIC SAFETY FEATURE	
(27) YEAR BUILT	1967 (106) YEAR RECONSTRUCTED	36A) BRIDGE RAILINGS:	0
(42) TYPE OF SERVICE	ON 1 UNDER 5	36B) TRANSITIONS:	0
(28) LANES	ON 02 UNDER 00	36C) APPROACH GUARDRAIL:	0
(29) AVERAGE DAILY TRAFFIC	1500 (19) BYPASS DETOUR LENGTH	36D) APPROACH GUARDRAIL ENDS:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	(113) SCOUR CRITICAL BRIDGES	5
(109) AVERAGE DAILY TRUCK TRAFFIC	1	SUFFICIENCY RATING	0 STATUS 77.6
		CLASSIFICATION	
GEOMETRIC DATA		(112) NBIS BRIDGE LENGTH	Y
(48) LENGTH OF MAX SPAN (ft.)	19 (49) STRUCTURE LENGTH (ft.)	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0 RIGHT 0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	26.2	(100) STRAHNET HIGHWAY DESIGNATION	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	28.2	(101) PARALLEL STRUCTURE DESIGNATION	N
(32) APPROACH ROADWAY WIDTH (ft.)	32.2	(102) DIRECTION OF TRAFFIC	2
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(103) TEMP STRUCTURE	
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(105) FEDERAL LANDS HIGHWAYS	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	26.9	(110) DESIGNATED NATIONAL NETWORK	0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(20) TOLL	3
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(21) MAINTENANCE RESPONSIBILITY	01
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(37) HISTORICAL	5
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	NAVIGATION DATA	
PROPOSED IMPROVEMENTS		(38) NAVIGATION CONTROL	0
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(111) PIER OR ABUTMENT PROTECTION	1
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	(39) NAV VERT CLEARANCE (ft.)	0
(94) BRIDGE IMPROVEMENT COST (\$)	0	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(40) NAV HORIZONTAL CLEARANCE (ft.)	0
(96) TOTAL PROJECT COST	0		
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT	1448 (115) YEAR OF FUTURE ADT		
	2028		

Note: 2" ACHM overlay on deck.

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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.	2986	sq. ft.	2986			
Longitudinal cracks, mostly in keyways.							
510 - Wearing Surfaces		2986	sq. ft.	2386	600	0	0
3220 - Crack (Wearing Surface)		600			600		
110 - Reinforced Concrete Open Girder/Beam	1- Ben.	912	ft.	612	0	300	0
Unit 8 span 2 has extreme salt contamination, and efflorescent cracks with greyed out "dead" concrete. Other units show normal wear and minor chips etc.							
1120 - Efflorescence/Rust Staining		100				100	
1130 - Cracking (RC and Other)		100				100	
7000 - Damage		100				100	
215 - Reinforced Concrete Abutment	1- Ben.	56	ft.	56			
227 - Reinforced Concrete Pile	1- Ben.	15	each	0	15	0	0
Normal wear and abrasions.							
1190 - Abrasion/Wear (PSC/RC)		15			15		
234 - Reinforced Concrete Pier Cap	1- Ben.	141	ft.	0	141	0	0
Normal wear and abrasion							
7000 - Damage		141			141		
304 - Open Expansion Joint	1- Ben.	141	ft.	0	141	0	0
Leaking							
7000 - Damage		141			141		
330 - Metal Bridge Railing	1- Ben.	228	ft.	0	228	0	0
Normal wear and old impact damage							
1000 - Corrosion		228			228		

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Maintenance Needs

Date Reported: 1/22/2013 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Bent 1 cap has local scour under cap for most of the entire length, is causing minor roadway settlement.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Date Reported: 1/15/2015 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Abutment 1 Rt. end post, collision damage, top of end post has been knocked off.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Inspector:

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Maintenance Needs

Date Reported: 02/02/2017

Priority: D - Routine

Work Code:

Deficiency Description:

PC Unit 8 span 2 has salt contamination and heavy efflorescence.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Open



PHOTO 1 Description