

# 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		
(9) LOCATION	.89 MI SOUTH JCT I30		
(11) MILEPOINT 17.050	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000053000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 33.98575	(17) LONGITUDE -93.18431		
(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	6 (60) SUBSTRUCTURE 7
B) TYPE OF DESIGN/CONSTR: 22 - Channel Beam		(61) CHANNEL & CHANNEL PROTECTION	7 (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 6	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 2	(108A) WEARING SURFACE 6		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1967	(106) YEAR RECONSTRUCTED 0000	(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	60.0
(29) AVERAGE DAILY TRAFFIC 1500	(19) BYPASS DETOUR LENGTH 17	(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.) 19	(49) STRUCTURE LENGTH (ft.) 114	(67) STRUCTURAL EVALUATION	6
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 26.2		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 28.2		(71) WATERWAY ADEQUACY	7
(32) APPROACH ROADWAY WIDTH (ft.) 32.2		(72) APPROACH ROADWAY ALIGNMENT	6
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 32	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	0
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 26.9		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 77.6
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	06
(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 1448	(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
		(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

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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### Bridge Inspection Report

#### Maintenance Needs

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

Priority: D - Routine

Work Code:

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Deficiency Description:

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

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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

Priority: D - Routine

Work Code:

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Deficiency Description:

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

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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### Maintenance Needs

Date Reported: 02/02/2017

Priority: D - Routine

Work Code:

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Deficiency Description:

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

Work Description:

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Date Repairs Completed:

Maintenance Comments:

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Stage: Open



PHOTO 1 Description