

Bridge Inspection Report

06040
CR 270-A
over
I-555-02- LM 17.59



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 06040

Inspection Date:

Facility Carried: CR 270-A

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/10/2016
(8) STRUCTURE NUMBER	06040	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 4 1 270 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	10 (3) COUNTY CODE 111	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	51560	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	I-555-02- LM 17.59	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	CR 270-A		
(9) LOCATION	.5 MI E OF PAYNEWAY		
(11) MILEPOINT 0.490	(12) BASE HIGHWAY NETWORK 0		
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.54229	(17) LONGITUDE -90.49512		
(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	7 (60) SUBSTRUCTURE 8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(61) CHANNEL & CHANNEL PROTECTION	N (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 2	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 1986	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 1		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 02 UNDER 05		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 100	(19) BYPASS DETOUR LENGTH 1	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 1987		(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.) 115	(49) STRUCTURE LENGTH (ft.) 219	(67) STRUCTURAL EVALUATION	7
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	7
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	6
(52) DECK WIDTH, OUT-TO-OUT (ft.)	30.8	(71) WATERWAY ADEQUACY	N
(32) APPROACH ROADWAY WIDTH (ft.)	27.9	(72) APPROACH ROADWAY ALIGNMENT	7
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 25	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	28.9	36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.)	H 16.64	36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 28.4	(113) SCOUR CRITICAL BRIDGES	N
(56) MIN LATERAL UNDER CLEARANCE (ft.)	26.7	SUFFICIENCY RATING	0 STATUS 100.0
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	09
(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 124	(115) YEAR OF FUTURE ADT 2007	(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	N
		(111) PIER OR ABUTMENT PROTECTION	5
		(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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National Bridge Inventory

UNDER RECORD A

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	CR 270-A
(3) COUNTY CODE	111	(8) STRUCTURE NUMBER	06040
(4) PLACE CODE	51560	(9) LOCATION	.5 MI E OF PAYNEWAY
(5) INV. ROUTE (ON/UNDER)	A 1 1 555 3	(11) MILEPOINT	17.59 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	I-555-02- LM 17.59	(13A) LRS INVENTORY ROUTE	0000063080 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.54226666 (17) LONGITUDE -90.4950833

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous
 B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	1	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1986	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 05 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	6500		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	17.69	(48) LENGTH OF MAXIMUM SPAN	115 (49) STRUCTURE LENGTH 219
(47) TOTAL HORIZONTAL CLEARANCE	71.0		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	1

UNDER RECORD B

IDENTIFICATION

(1) STATE CODE	056 - Arkansas	(7) FACILITY CARRIED	CR 270-A
(3) COUNTY CODE	111	(8) STRUCTURE NUMBER	06040
(4) PLACE CODE	51560	(9) LOCATION	.5 MI E OF PAYNEWAY
(5) INV. ROUTE (ON/UNDER)	B 1 1 555 1	(11) MILEPOINT	17.59 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	I-555-02- LM 17.59	(13A) LRS INVENTORY ROUTE	0000063080 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.5422666666667 (17) LONGITUDE -90.4950833333333

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE, MAIN A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous
 B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder

AGE OF SERVICE

(19) BYPASS DETOUR LENGTH	1	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1986	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 05 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	6500		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.95	(48) LENGTH OF MAXIMUM SPAN	115 (49) STRUCTURE LENGTH 219
(47) TOTAL HORIZONTAL CLEARANCE	66.8		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	1	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(101) PARALLEL STRUCTURE DESIGNATION	N	(110) DESIGNATED NATIONAL NETWORK	1

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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	6798	sq. ft.	5885	913	0	0
	Several cracks to top of deck (728sq.ft), several of these cracks have been epoxy in the past (504sq.ft.) of 728. See photo 2016 shows the cylinder sleeve drove in cracks. Approach slab on south end has large crack which has also been epoxy in the past. Compression seal has fallen out Bent 1 , see photo 2016.						
1120 - Efflorescence/Rust Staining		185			185		
1130 - Cracking (RC and Other)		728			728		
107 - Steel Open Girder/Beam	1- Ben.	868	ft.	868			
	Steel girders have minor surface rust forming.						
515 - Steel Protective Coating		12725	sq. ft.	11452	1273	0	0
3440 - Effectiveness (Steel Protective Coatings)		1273			1273		
205 - Reinforced Concrete Column	1- Ben.	2	each	2			
215 - Reinforced Concrete Abutment	1- Ben.	196	ft.	193	3	0	0
1080 - Delamination/Spall/Patched Area		3			3		
234 - Reinforced Concrete Pier Cap	1- Ben.	28	ft.	28			
302 - Compression Joint Seal	1- Ben.	58	ft.	29	0	0	29
	Compression seal has fallen out Bent 1 , see photo 2016						
2330 - Seal Damage		29					29
310 - Elastomeric Bearing	1- Ben.	12	each	12			
321 - Reinforced Concrete Approach Slab	1- Ben.	1736	sq. ft.	1618	118	0	0
1130 - Cracking (RC and Other)		118			118		
331 - Reinforced Concrete Bridge Railing	1- Ben.	438	ft.	438			