

Bridge Inspection Report

05537
SH 385 WHITE CO.
over
US 67-SEC 13



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 05537

Inspection Date:

Facility Carried: SH 385 WHITE CO.

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	03/02/2016
(8) STRUCTURE NUMBER	05537	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 385 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	05 (3) COUNTY CODE 145	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	US 67-SEC 13	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	SH 385 WHITE CO.	CONDITION	
(9) LOCATION	JCT OF SH 385 & US 67	(58) DECK	7
(11) MILEPOINT 2.929	(12) BASE HIGHWAY NETWORK 0	(59) SUPERSTRUCTURE 7	(60) SUBSTRUCTURE 7
(13A) LRS INVENTORY ROUTE	0000000000 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	N (62) CULVERT N
(16) LATITUDE 35.26873	(17) LONGITUDE -91.67278	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	5
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:	4 - Steel continuous	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder	(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	7
(45) NUMBER OF SPANS IN MAIN 2	(46) NUMBER OF APPROACH 0	(68) DECK GEOMETRY	5
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	8
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0	(71) WATERWAY ADEQUACY	N
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT 1976	(106) YEAR RECONSTRUCTED 0000	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE ON 1	UNDER 1	36A) BRIDGE RAILINGS:	1
(28) LANES ON 02	UNDER 04	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC 7500	(19) BYPASS DETOUR LENGTH 6	36C) APPROACH GUARDRAIL:	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		36D) APPROACH GUARDRAIL ENDS:	1
(109) AVERAGE DAILY TRUCK TRAFFIC 1		(113) SCOUR CRITICAL BRIDGES	N
GEOMETRIC DATA		SUFFICIENCY RATING	0 STATUS 95.4
(48) LENGTH OF MAX SPAN (ft.) 124	(49) STRUCTURE LENGTH (ft.) 250	CLASSIFICATION	
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 1.5	RIGHT 1.5	(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	43.0	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	46	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	07
(32) APPROACH ROADWAY WIDTH (ft.)	44.0	(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 27	(101) PARALLEL STRUCTURE DESIGNATION	N
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	(102) DIRECTION OF TRAFFIC	2
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	91.5	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	H 16.47	(110) DESIGNATED NATIONAL NETWORK	0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	H 31.2	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	28.5	(21) MAINTENANCE RESPONSIBILITY	01
PROPOSED IMPROVEMENTS		(22) OWNER	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	N
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT 9622	(115) YEAR OF FUTURE ADT 2028	(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	SH 385-SEC 1
(3) COUNTY CODE	145	(8) STRUCTURE NUMBER	05537
(4) PLACE CODE	00000	(9) LOCATION	JCT OF SH 385 & US 67
(5) INV. ROUTE (ON/UNDER)	A 2 1 67 3	(11) MILEPOINT	1.550 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	US 67-SEC 13	(13A) LRS INVENTORY ROUTE	0000067130 (13B) SUBROUTE NUMBER 00
		(16) LATITUDE	35.26861111111111 (17) LONGITUDE -91.6725

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	6	(30) YEAR OF AVERAGE DAILY TRAFFIC	2014
(27) YEAR BUILT	1976	(42) TYPE OF SERVICE	ON 1 UNDER 1
(28) LANES	ON 04 UNDER 02	(109) AVERAGE DAILY TRUCK TRAFFIC	1
(29) AVERAGE DAILY TRAFFIC	11500		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.9	(48) LENGTH OF MAXIMUM SPAN	124 (49) STRUCTURE LENGTH 250
(47) TOTAL HORIZONTAL CLEARANCE	83.3		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(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	SH 385-SEC 1
(3) COUNTY CODE	145	(8) STRUCTURE NUMBER	05537
(4) PLACE CODE	00000	(9) LOCATION	JCT OF SH 385 & US 67
(5) INV. ROUTE (ON/UNDER)	B 2 1 67 1	(11) MILEPOINT	1.550 (12) BASE HIGHWAY NETWORK 1
(6) FEATURES INTERSECTED	US 67-SEC 13	(13A) LRS INVENTORY ROUTE	0000067130 (13B) SUBROUTE NUMBER 00
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(29) AVERAGE DAILY TRAFFIC	11500		

GEOMETRIC DATA

(10) INV RTE, MIN VERT CLEARANCE	16.6	(48) LENGTH OF MAXIMUM SPAN	124 (49) STRUCTURE LENGTH 250
(47) TOTAL HORIZONTAL CLEARANCE	83.7		

CLASSIFICATION

(20) TOLL	3	(102) DIRECTION OF TRAFFIC	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02	(103) TEMP STRUCTURE	
(100) STRAHNET HIGHWAY DESIGNATION	0	(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.	11500	sq. ft.	11070	430	0	0
	Moderate deck cracking (some unsealed) Spall with no rebar exposed in Left lane @ Span 2. A few transverse efflorescent cracks to left & right overhang.						
1130 - Cracking (RC and Other)		430			430		
107 - Steel Open Girder/Beam	1- Ben.	1488	ft.	1458	30	0	0
	Areas of rust to bottom flanges @ Abutment 1 & 2. Random areas of light rust to bottom flanges.						
1000 - Corrosion		30			30		
515 - Steel Protective Coating		17856	sq. ft.	17856			
205 - Reinforced Concrete Column	1- Ben.	4	each	4			
215 - Reinforced Concrete Abutment	1- Ben.	160	ft.	147	13	0	0
	Full height vertical cracks to Abutment 1 & 2. 3" separation between concrete rip rap & right wing wall @ Abutment 1.						
1130 - Cracking (RC and Other)		13			13		
234 - Reinforced Concrete Pier Cap	1- Ben.	47	ft.	47			
301 - Pourable Joint Seal	1- Ben.	274	ft.	256	18	0	0
	18' of pourable joint seal separated & leak @ Abutment 1 & 2.						
2310 - Leakage		18			18		
311 - Movable Bearing	1- Ben.	12	each	12			
515 - Steel Protective Coating		58	sq. ft.	0	58		
313 - Fixed Bearing	1- Ben.	6	each	6			
515 - Steel Protective Coating		35	sq. ft.	0	35		
321 - Reinforced Concrete Approach Slab	1- Ben.	3504	sq. ft.	3166	338	0	0
	Transverse & longitudinal cracks to approach slabs @ Abutment 1 & 2.						
1130 - Cracking (RC and Other)		338			338		
330 - Metal Bridge Railing	1- Ben.	1000	ft.	1000			
331 - Reinforced Concrete Bridge Railing	1- Ben.	500	ft.	500			

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Bridge Inspection Report

Pictures



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Bridge Inspection Report

Maintenance Needs

Date Reported: 3/14/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Unsealed cracks to approach slabs @ Abutment 1 & 2.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Unsealed cracks to approach slabs @ Abutment 1 & 2.

Inspector:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 3/14/2012 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Visible settlement & potholes to Roadway @ Abutment 1.

Work Description:

Date Repairs Completed: 03/02/2016

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Visible settlement & potholes to Roadway @ Abutment 1.

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Bridge Inspection Report

Maintenance Needs

Date Reported: 3/20/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

Unsealed cracks to deck @ all Spans.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description Unsealed cracks to deck @ all Spans.

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Maintenance Needs

Date Reported: 3/20/2014 12:00:00 AM

Priority: D - Routine

Work Code:

Deficiency Description:

18' of Joint seal has separated & leak @ Abutment 1 & 2

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Assigned



PHOTO 1 Description 18' of Joint seal has separated & leak @ Abutment 1 & 2.