

Bridge Inspection Report

02396

US 79/sec15/L6.77

over

LITTLE HOG TUSK CREEK



Inspection Date:

Inspected By:

Inspection Type(s):

Inspector:

Structure Number: 02396

Inspection Date:

Facility Carried: US 79/sec15/L6.77

Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	10/26/2016
(8) STRUCTURE NUMBER	02396	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 79 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY 01	(3) COUNTY CODE 077	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	00000	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	LITTLE HOG TUSK CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 79/sec15/L6.77	CONDITION	
(9) LOCATION	1.0 MI W JCT SH 238	(58) DECK	8
(11) MILEPOINT 6.770	(12) BASE HIGHWAY NETWORK 1	(59) SUPERSTRUCTURE 5	(60) SUBSTRUCTURE 7
(13A) LRS INVENTORY ROUTE 0000079150	(13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION 6	(62) CULVERT N
(16) LATITUDE 34.776482	(17) LONGITUDE -91.005013	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	4
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: 3 - Steel		(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	5
(45) NUMBER OF SPANS IN MAIN 3	(46) NUMBER OF APPROACH 0	(68) DECK GEOMETRY	5
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 6	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0	(71) WATERWAY ADEQUACY	8
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT 1952	(106) YEAR RECONSTRUCTED 0000	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE ON 1 UNDER 5		36A) BRIDGE RAILINGS:	0
(28) LANES ON 02 UNDER 00		36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC 820	(19) BYPASS DETOUR LENGTH 21	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		36D) APPROACH GUARDRAIL ENDS:	0
(109) AVERAGE DAILY TRUCK TRAFFIC 14		(113) SCOUR CRITICAL BRIDGES	5
GEOMETRIC DATA		SUFFICIENCY RATING	0 STATUS 68.1
(48) LENGTH OF MAX SPAN (ft.) 30	(49) STRUCTURE LENGTH (ft.) 92	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.)	25.9	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(52) DECK WIDTH, OUT-TO-OUT (ft.)	31.6	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(32) APPROACH ROADWAY WIDTH (ft.)	35.1	(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 0	(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.)	28.9	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(110) DESIGNATED NATIONAL NETWORK	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(21) MAINTENANCE RESPONSIBILITY	01
PROPOSED IMPROVEMENTS		(22) OWNER	01
(75A) TYPE OF WORK PROPOSED 31	(75B) WORK DONE BY 1	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	119.0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(95) ROADWAY IMPROVEMENT COST (\$)	235	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	541	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE	2003	(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT 934	(115) YEAR OF FUTURE ADT 2028	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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Element Inspection

[illegible]

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Element Inspection

305 - Assembly Joint without Seal	1- Ben.	126	ft.	0	63	63	0
JOINT ARMOR IS CORRODED WITH LAMINATIONS AND SECTION LOSS UP TO 5%. No paint left on joint steel.							
2370 - Metal Deterioration or Damage		126			63	63	
515 - Steel Protective Coating		379	sq. ft.	0	0	0	379
3440 - Effectiveness (Steel Protective Coatings)		379					379
311 - Movable Bearing	1- Ben.	12	each	0	0	12	0
ALL BEARINGS ARE CORRODED WITH LAMINATIONS WITH SECTION LOSS UP TO 15% No paint on bearings. All bearing nuts rusted off.							
1000 - Corrosion		12				12	
515 - Steel Protective Coating		36	sq. ft.	0	0	0	36
3440 - Effectiveness (Steel Protective Coatings)		36					36
313 - Fixed Bearing	1- Ben.	12	each	0	0	12	0
ALL BEARINGS ARE CORRODED WITH LAMINATIONS WITH SECTION LOSS UP TO 15% Girder 4 span 3 at abutment 2 right bearing nut rusted off. No paint on bearings.							
1000 - Corrosion		12				12	
515 - Steel Protective Coating		36	sq. ft.	0	0	0	36
3440 - Effectiveness (Steel Protective Coatings)		36					36
330 - Metal Bridge Railing	1- Ben.	185	ft.	185			
ABUTMENT #2 MONUMENT WALL HAS COLLISION DAMAGE ON LEFT SIDE. BRIDGE RAILS HAVE SURFACE RUST FULL LENGTH. 10% paint left on roadside of rails no paint on back side. Paint that is left has little effectiveness. Right side abutment 1 monument post has been broken and posts 1,2,3,5 have spalls.							
515 - Steel Protective Coating		369	sq. ft.	0	0	333	36
3440 - Effectiveness (Steel Protective Coatings)		369				333	36

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Pictures



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Inspection Date:

Facility Carried: US 79/sec15/L6.77

Bridge Inspection Report

Maintenance Needs

Date Reported: 10/26/2016

Priority: C - Important

Work Code: N/A

Deficiency Description:

SPAN #2 BENT #2 GIRDER #2 HAS A SMALL HOLE IN WEB AT EXPANSION DAM HAUNCH, AND A SMALL HOLE AT HAUNCH.

SPAN #2 BENT #2 GIRDER #3 HAS A SMALL HOLE IN WEB AT DIAPHRAGM CONNECTION.

GIRDERS SPAN #3, BENT #3, GIRDER #2 HAS HOLE AT EXPANSION DAM HAUNCH

GIRDER #3 HAS HOLE AT DIAPHRAGM CONNECTION.

Span 1 Abutment 1 girder 1 has 4" hole at diaphragm and lower flange.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Span 3 bent 3 girder 2

Stage: Monitor



PHOTO 2 Description Bent 3 span 3 girder 3

Bridge Inspection Report

Maintenance Needs

Stage: Monitor



PHOTO 3 Description Span 2 girder 3 bent 2

Stage: Monitor



PHOTO 4 Description Bent 2 span 2 girder 2

Stage: Monitor



PHOTO 5 Description Span 1 Abutment 1 girder 1 has 4" hole at diaphragm and lower flange.

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Maintenance Needs

Date Reported: 11/8/2012 12:00:00 AM

Priority: C - Important

Work Code: N/A

Deficiency Description:

APPROACH RAIL ABUTMENT #1,#2, LEFT SIDE RAIL HAS COLLISIION DAMAGE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Abutment 1 left approach rail

Stage: Monitor



PHOTO 2 Description Abutment 2 left approach rail.

Inspector:

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Maintenance Needs

Date Reported: 10/26/2016

Priority: D - Routine

Work Code: N/A

Deficiency Description:

MONUMENT POST ABUTMENT #2 LEFT MINOR COLLISION DAMAGE.
Right side abutment 1 monument post has been broken and posts 1,2,3,5 have spalls.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Right side abutment 1 monument post has been broken and posts 1,2,3,5 have spalls.

Stage: Monitor



PHOTO 2 Description Abutment 2 left monument post.

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Maintenance Needs

Date Reported: 11/10/2014 12:00:00 AM

Priority: C - Important

Work Code: N/A

Deficiency Description:

BENT #2, #3 LEFT AND RIGHT SIDES EROSION UP TO 2' DEEP BY PILES EXPOSING PILES 2' MORE THAN GROUND LEVEL.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Erosion bent 3.

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Date Reported: 11/10/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

FIRST FOOT OF ALL GIRDER ENDS ARE CORRODED WITH LAMINATIONS.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Typical girder end.

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Maintenance Needs

Date Reported: 11/10/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

GUTTERS HAVE VEGETATION GROWING IN THEM.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Typical gutters.