



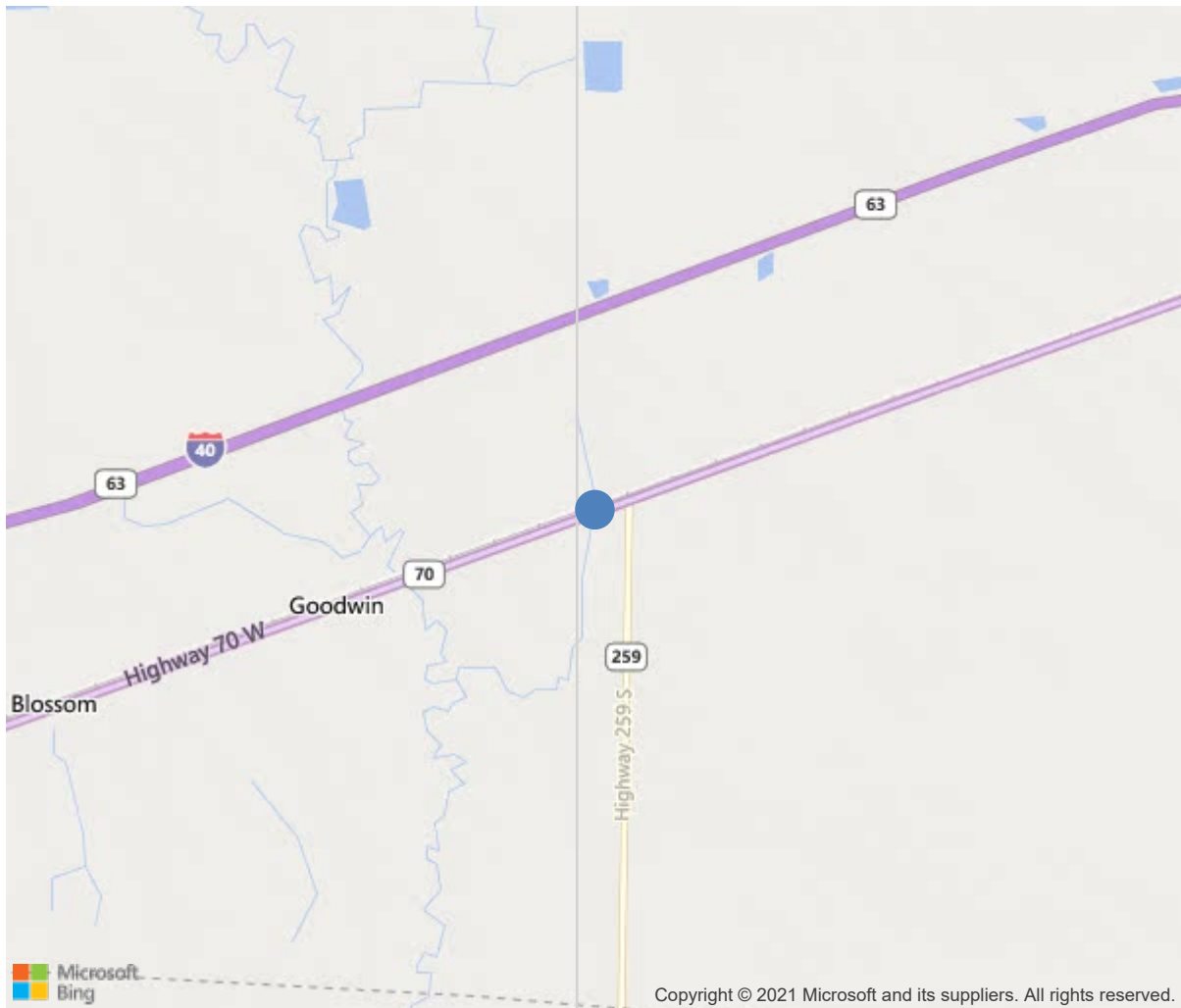
Bridge #01536(Routine, Underwater type 2)

Us-70/Sec-18/L7.12 over Hog Tusk Creek

Location: 6.5 Mi East Jct Of Sh 78

Team Lead: Myron Futrell **Inspection Date:** December 02, 2019

6.5 Mi East Jct Of Sh 78



34.94485, -90.99844



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	01536
(5) Inventory Route	70
(2) Highway Agency District	01
(3) County Code	123-St. Francis County, Arkansa
(4) Place Code	0
(6) Features Intersected	Hog Tusk Creek
(7) Facility Carried	Us-70/Sec-18/L7.12
(9) Location	6.5 Mi East Jct Of Sh 78
(11) Mile Point	7.12 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.94485
(17) Longitude	-90.99844
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1-Concrete
Type	4-Tee beam
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	2
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6-Bituminous
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1930
(106) Year Reconstructed	0
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	910
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	69 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	26.9 ft
(52) Deck Width Out to Out	30.1 ft
(32) Approach Roadway Width (W/Shoulders)	32.2 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	27.6 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0-No navigation control on water
(111) Pier Protection	1-Navigation protection not requ
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	0 ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	7-Rural Major Collector
(100) Defense Highway	0-The inventory route is not a S
(101) Parallel Structure	N-No parallel structure exists.
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0-N/A
(110) Designated National Network	1-The inventory route is part of the
(20) Toll	3-On free road. The structure is toll-
(21) Maintain	1-State Highway Agency
(22) Owner	1-State Highway Agency
(37) Historical Significance	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2-M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	43
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	2
Rating	26
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	7-Countermeasures have been installed
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	
(114) Future ADT	1210
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			12/2019
(91) Frequency			24 Months
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	Yes		12/2015
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	2070	1976	94	0	0
1090	Exposed Rebar	SF	9	0	9	0	0
1120	Efflorescence/Rust Staining	SF	85	0	85	0	0
510	Wearing Surfaces	SF	1856	1028	828	0	0
3220	Crack (Wearing Surface)	SF	828	0	828	0	0
(16)	Soffit has several hairline transverse cracks with light efflorescence in both spans. Wearing surface has several and longitudinal cracks. Left side soffit overhang has 9' of exposed rebar with no section loss.						
110	Reinforced Concrete Open Girder/Beam	LF	345	341	4	0	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1090	Exposed Rebar	LF	1	0	1	0	0
(110)	All girders both spans have vertical hairline cracks in stems spaced 1' apart. Span #1 girder #1 inside side of girder has two 6" delaminations and one 6" spall with exposed rebar with no section loss. Span #2 girder #5 left side has three 6" delaminations and one 6" spall with rebar exposed no section loss. span #2 girder #2 has 3 6" delaminations on bottom face girder #3 has 1 6" delamination on bottom face.						
215	Reinforced Concrete Abutment	LF	64	58	6	0	0
6000	Scour	LF	6	0	6	0	0
(215)	Abutment 1 erosion abatement has deteriorated, exposing piles in center of cap.						
227	Reinforced Concrete Pile	EA	6	1	5	0	0
1190	Abrasion/Wear (PSC/RC)	EA	5	0	5	0	0
(227)	Bent #2 concrete piles have moderate abrasion with no loose aggregate.						
234	Reinforced Concrete Pier Cap	LF	26	26	0	0	0
331	Reinforced Concrete Bridge Railing	LF	138	138	0	0	0



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Inspection Comments

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