



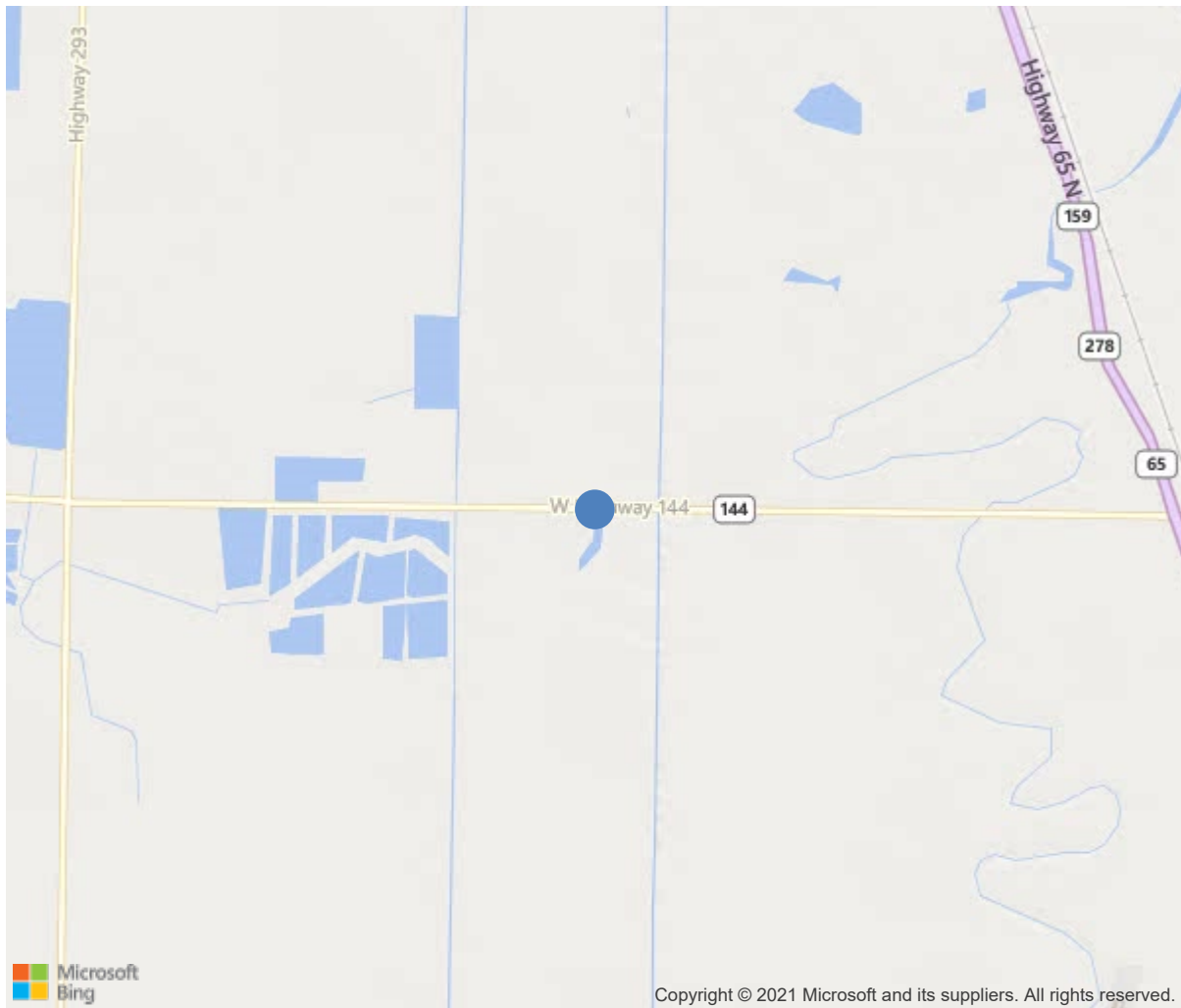
**Bridge #03262**(Routine)

**SH 144-02 LM 5.70 over Lost Lake**

**Location: 2.9 M W US 65**

**Team Lead:** Sharon Hooks **Inspection Date:** April 10, 2018

2.9 M W US 65



33.38793, -91.35925



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03262
(5) Inventory Route	144
(2) Highway Agency District	02
(3) County Code	17-Chicot County, Arkansas
(4) Place Code	0
(6) Features Intersected	Lost Lake
(7) Facility Carried	SH 144-02 LM 5.70
(9) Location	2.9 M W US 65
(11) Mile Point	5.7 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.38793
(17) Longitude	-91.35925
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1-Concrete
Type	22-Channel beam
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	8
(46) No. of Approach Spans	0
(107) Deck Structure Type	2-Concrete Precast Panels
(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	1959
(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	430
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	20 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	19 ft
(49) Structure Length	152 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	24.3 ft
(52) Deck Width Out to Out	25.3 ft
(32) Approach Roadway Width (W/Shoulders)	22 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	25.6 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	5-None present but re-evaluation
(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	0-The inventory route is not part of
(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	6
(59) Superstructure	6
(60) Substructure	6
(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	60
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	8
Rating	36
(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	4
(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	5-Bridge foundations determined to be
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	477
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	04/2020
(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	No



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	3846	3801	45	0	0
1080	Delamination/Spall/Patched Area	SF	45	0	45	0	0
510	Wearing Surfaces	SF	3648	3648	0	0	0
(16)	Deck 25.3' by 152' Minor- to moderate-sized cracks in asphalt wearing surface at joints between units and at bents. Some patching of asphalt wearing surface on Unit 7 on Spans 5-8 and Span 8 Unit 6.						
110	Reinforced Concrete Open Girder/Beam	LF	1064	949	112	3	0
1080	Delamination/Spall/Patched Area	LF	25	0	25	0	0
1090	Exposed Rebar	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	88	0	85	3	0
(110)	Girders 7 units each at 19' / Spans 1-8 State forces have patched channel legs of most units all spans. Some hairline-sized cracks beginning to show in larger patches. Span 8 unit one has spall with exposed rebar on bottom of leg.						
215	Reinforced Concrete Abutment	LF	64	58	3	3	0
1130	Cracking (RC and Other)	LF	6	0	3	3	0
(215)	32' each bents 1 & 9 Bent 1 abutment has a horizontal crack under unit 4 .						
227	Reinforced Concrete Pile	EA	21	6	15	0	0
1190	Abrasion/Wear (PSC/RC)	EA	15	0	15	0	0
(227)	Pile 3 each Bents 2-8. Bents 3-7: Minor abrasive wear and loss of mortar on lower 1' of piling.						
234	Reinforced Concrete Pier Cap	LF	182	158	19	5	0
1080	Delamination/Spall/Patched Area	LF	20	0	15	5	0
1090	Exposed Rebar	LF	4	0	4	0	0
(234)	26' each Bents 2-7 Bent 5 previous repaired spall on back face has delams. Bent 5 & 7 caps have small spalls under channel legs bent 7 ahead spall with exposed rebar. Bent 4 cap right has small spall with exposed rebar. Bent 6 has 1' spall with exposed rebar on bottom near pile 2. Minor spalls on bents 2,3 and 5.						
330	Metal Bridge Railing	LF	304	304	0	0	0



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(330)	152' each side.metal rail with concrete post. Some repairs made to Spans 5 & 7 on right side.						



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### **Inspection Comments**

Beginning of structure toward US 165, Jerome, West End.06212006, Dropping UW inspection due to sub-str elements are not continuously submerged. Low water depth appears less than 2 foot.No Signs of high water events over 4 ft. deep. No signs of channel scour up or down stream. Rock riprap on slopes at Abt's. NBI Items #60 and #61 will fairly represent all elements. RLW.