



Latitude:35.87010, Longitude:-90.46303

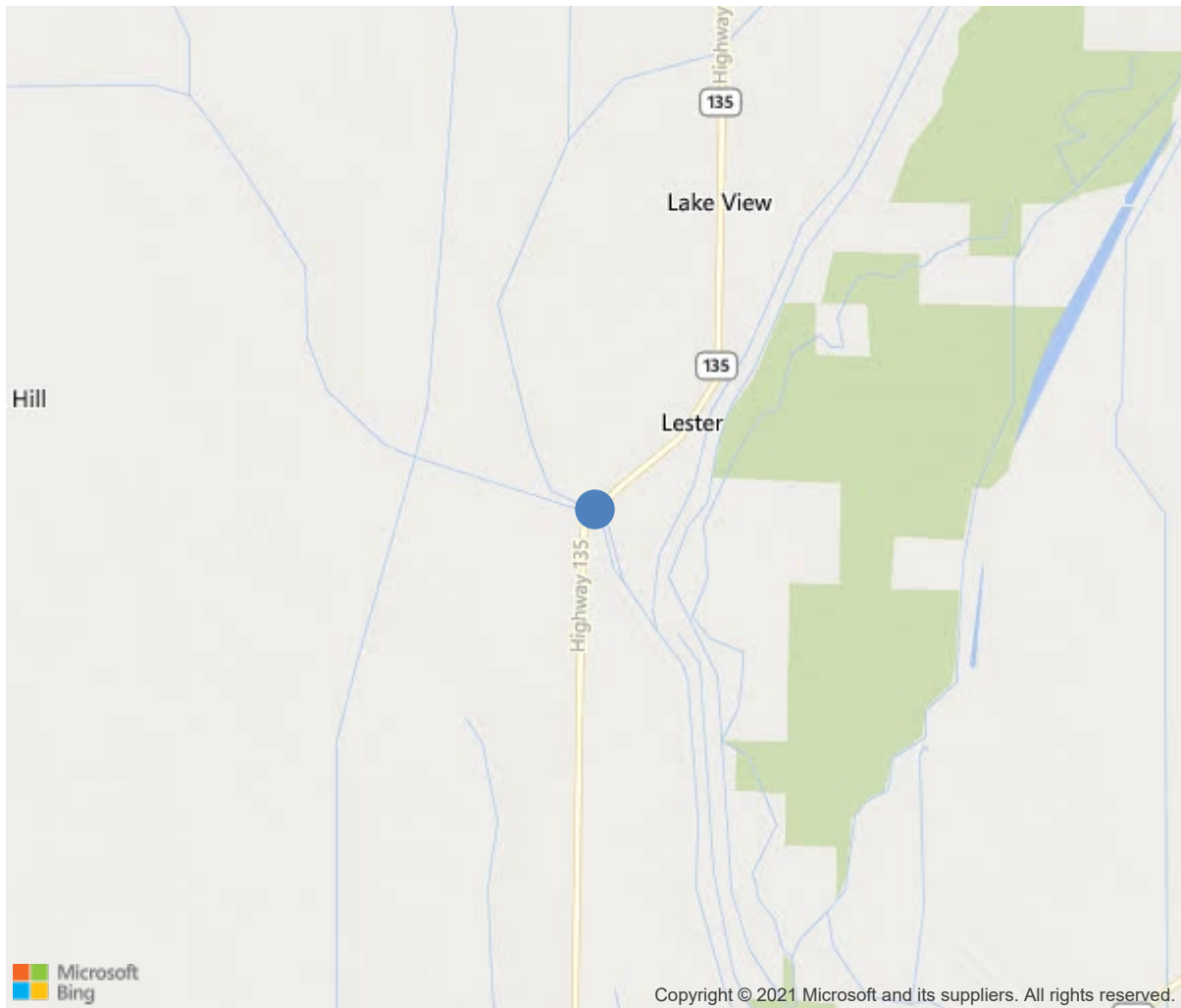
Route:135 Section:03 Log:3.36

Arnold Road ID:16x135x3xA, Arnold Log mile:3.359

District 10, Craighead County

Owner: 1-State Highway Agency

3.36 MI N JCT SH 18



35.87010, -90.46303



Bridge #05643(Routine, Underwater type 2)

SH 135-03- LM 3.36 over BIG BAY DITCH

Location: 3.36 MI N JCT SH 18

Team Lead: Richard Jones Inspection Date: October 13, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	05643
(5) Inventory Route	135
(2) Highway Agency District	10
(3) County Code	31-Craighead County, Arkansas
(4) Place Code	0
(6) Features Intersected	BIG BAY DITCH
(7) Facility Carried	SH 135-03- LM 3.36
(9) Location	3.36 MI N JCT SH 18
(11) Mile Point	3.36 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000135030
(16) Latitude	35.8701043470428
(17) Longitude	-90.4630282797623
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
Type	2-Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	3
(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	1977
(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	1400
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	8 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	50 ft
(49) Structure Length	152.3 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	30 ft
(52) Deck Width Out to Out	32.7 ft
(32) Approach Roadway Width (W/Shoulders)	32.2 ft
(33) Bridge Median	0-No median
(34) Skew	24 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	30 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	6-Rural Minor Arterial
(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	7
(59) Superstructure	6
(60) Substructure	7
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5-MS 18 / HS 20
(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	3
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	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(36D) Approach Guardrail Ends	0-Inspected feature does not meet cur
(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	1610
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			10/2020
(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		
* 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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Location: 3.36 MI N JCT SH 18

Team Lead: Richard Jones, Inspection Date: October 13, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4900	4765	135	0	0
1090	Exposed Rebar	SF	1	0	1	0	0
1120	Efflorescence/Rust Staining	SF	104	0	104	0	0
1130	Cracking (RC and Other)	SF	30	0	30	0	0
510	Wearing Surfaces	SF	4500	3607	0	893	0
3210	Delam/Spall/Patched Area/Pothole	SF	443	0	0	443	0
3220	Crack (Wearing Surface)	SF	450	0	0	450	0
107	Steel Open Girder/Beam	LF	600	568	16	16	0
1000	Corrosion	LF	32	0	16	16	0
515	Steel Protective Coating	SF	4754	3791	475	244	244
3440	Effectiveness (Steel Protective Coatings)	SF	963	0	475	244	244
215	Reinforced Concrete Abutment	LF	106	98	8	0	0
1130	Cracking (RC and Other)	LF	8	0	8	0	0
227	Reinforced Concrete Pile	EA	12	0	12	0	0
1190	Abrasion/Wear (PSC/RC)	EA	12	0	12	0	0
234	Reinforced Concrete Pier Cap	LF	61	56	5	0	0
1090	Exposed Rebar	LF	5	0	5	0	0
302	Compression Joint Seal	LF	142	0	0	142	0
2350	Debris Impaction	LF	142	0	0	142	0
311	Movable Bearing	EA	12	0	0	12	0
1000	Corrosion	EA	12	0	0	12	0
313	Fixed Bearing	EA	12	0	12	0	0
1000	Corrosion	EA	12	0	12	0	0
331	Reinforced Concrete Bridge Railing	LF	300	276	24	0	0
1090	Exposed Rebar	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	23	0	23	0	0







Bridge #05643(Routine, Underwater type 2)

SH 135-03- LM 3.36 over BIG BAY DITCH

Location: 3.36 MI N JCT SH 18

Team Lead: Richard Jones **Inspection Date:** October 13, 2020

Maintenance Needs

Date Reported: 01/24/2011

Priority: D- Routine

Type of Work: None

Status: Monitor

Component: Deck

Deficiency Description

Asphalt wearing surface has a few longitudinal cracks. Asphalt is raveling out over bents and along gutters.

Remarks





Bridge #05643(Routine, Underwater type 2)

SH 135-03- LM 3.36 over BIG BAY DITCH

Location: 3.36 MI N JCT SH 18

Team Lead: Richard Jones **Inspection Date:** October 13, 2020

Date Reported: 01/24/2011
Priority: D- Routine
Type of Work: None
Status: Monitor
Component: Superstructure

Deficiency Description

Ends of steel girders over bents 1 and 4 have areas of surface rust.
Ends of steel girders over bents 2 & 3 have areas of flaking rust with some section loss along bottom of web and bottom flange.

Remarks



Bridge #05643(Routine, Underwater type 2)

SH 135-03- LM 3.36 over BIG BAY DITCH

Location: 3.36 MI N JCT SH 18

Team Lead: Richard Jones **Inspection Date:** October 13, 2020

Date Reported: 01/24/2011
Priority: D- Routine
Type of Work: None
Status: Monitor
Component: Superstructure

Deficiency Description

Bearings have pack rust and some section loss.

Remarks



Bridge #05643(Routine, Underwater type 2)

SH 135-03- LM 3.36 over BIG BAY DITCH

Location: 3.36 MI N JCT SH 18

Team Lead: Richard Jones **Inspection Date:** October 13, 2020

Date Reported: 01/23/2013

Priority: G - General/ Preventive maintenance

Type of Work: None

Status: Monitor

Component: Substructure

Deficiency Description

Bents 2 and 3 caps have a few delaminated areas and spalls with exposed rebar, mostly from lack of coverage.

Remarks



Bridge #05643(Routine, Underwater type 2)

SH 135-03- LM 3.36 over BIG BAY DITCH

Location: 3.36 MI N JCT SH 18

Team Lead: Richard Jones **Inspection Date:** October 13, 2020

Date Reported: 01/09/2015
Priority: D- Routine
Type of Work: Clean
Status: Repair Documented
Component: Channel

Deficiency Description

Channel Under Span 3
has a Small drift and debri.

Remarks

Drift has been removed. 10/13/2020 RRJ



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Location: 3.36 MI N JCT SH 18

Team Lead: Richard Jones **Inspection Date:** October 13, 2020

Deck Notes

Concrete rails have a few very minor cracks. End posts at bent 1 have collision damage. Rt post has rebar exposed. Asphalt wearing surface has a few longitudinal cracks. Asphalt is raveling out over bents and along gutters. Soffit has a few transverse cracks with efflorescence. Overhangs have a few delaminated areas and spalls with exposed rebar.

Superstructure Notes

Ends of steel girders over bents 1 and 4 have areas of surface rust.
Ends of steel girders over bents 2 & 3 have areas of flaking rust with some section loss along bottom of web and bottom flange.
Bearings have pack rust and some section loss.

Substructure Notes

Bents 1 & 4 concrete abutments have moderate width vertical cracks.
Concrete piling have minor abrasion.
Bents 2 and 3 caps have a few delaminated areas and spalls with exposed rebar, mostly from lack of coverage.