



Latitude:35.13119, Longitude:-92.51526

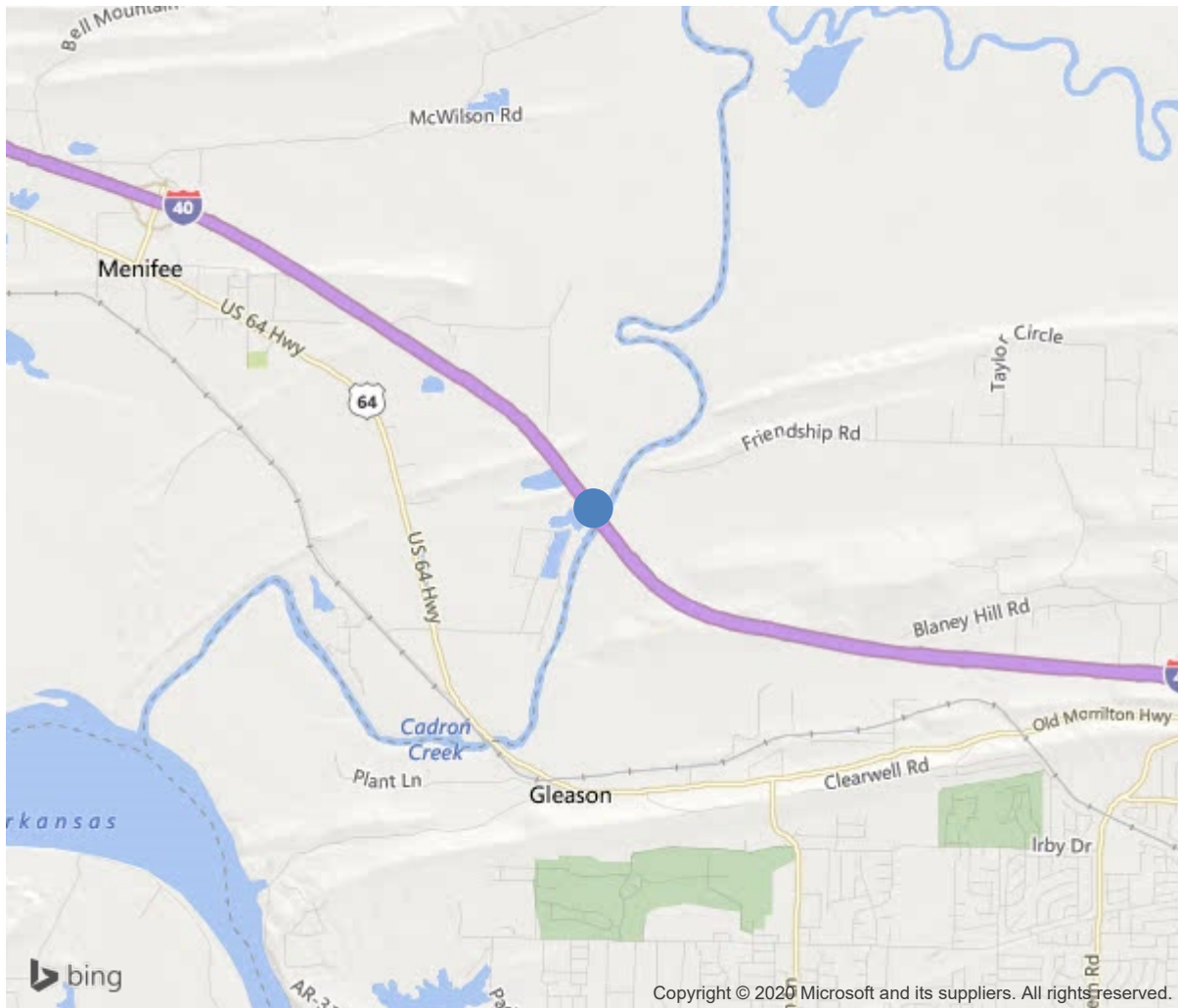
Route:40 Section:31 Log:120.19

Arnold Road ID:15x40x31xB, Arnold Log mile:164.261

District 08, Conway County

Owner: 1-State Highway Agency

FAULKNER CO LINE



35.13119, -92.51526



Bridge #A6428(Routine)
I 40-SEC 31, WB LN over Cadron Creek
Location: FAULKNER CO LINE

Team Lead: Bruce Bryan Inspection Date: January 23, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A6428
(5) Inventory Route	40
(2) Highway Agency District	08
(3) County Code	29-Conway County, Arkansas
(4) Place Code	0
(6) Features Intersected	Cadron Creek
(7) Facility Carried	I 40-SEC 31, WB LN
(9) Location	FAULKNER CO LINE
(11) Mile Point	120.19 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000040310
(16) Latitude	35.13119
(17) Longitude	-92.51526
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4-Steel continuous
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	5
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	1992
(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	24633
(30) Year of ADT	2010
(109) Truck ADT	1 %
(19) Bypass, Detour Length	6 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	115 ft
(49) Structure Length	507 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.8 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	20 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 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	1
(26) Functional Class	1-Rural Principal Arterial - Int
(100) Defense Highway	1-The inventory route is on a In
(101) Parallel Structure	L-The left structure of parallel
(102) Direction of Traffic	1 - 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	6
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	8
(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	5
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	7
(68) Deck Geometry	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1111
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	1-Inspected feature meets currently a
C) Approach Guardrail	1-Inspected feature meets currently a
D) 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	20561
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	201901
(91) Frequency	24 Months
(92) Critical Feature Inspection	Done Freq. (Mon) Date
A: Fracture Critical Detail	No 24
B: Underwater Inspection	No 0
C: Other Special Inspection	No 0

SUFFICIENCY RATING	85
STATUS (SD/FO/None)	Not Deficient



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	21631	14500	6600	531	0
1080	Delamination/Spall/Patched Area	SF	50	0	50	0	0
1130	Cracking (RC and Other)	SF	7081	0	6550	531	0
(12)							
MODERATE CRACKING THROUGHOUT DECK. SOME CRACKS UP TO 3/16' WIDE. MINOR TO MODERATE CRACKING W / EFFLOR IN OVERHANGS. HEAD WALL AT ABUTMENT 6 IS PATCHED. MINOR SPALLS & PATCHED AREAS ALONG JOINTS AT ABUTMENTS 1 & 6.							
107	Steel Open Girder/Beam	LF	2525	2500	25	0	0
1000	Corrosion	LF	25	0	25	0	0
515	Steel Protective Coating	SF	29616	29616	0	0	0
(107)							
MINOR FLAKE RUST ON ENDS OF SOME BEAMS AT ABUTMENT 1. BOLT LOOSE ON 1st SPLICE PANEL BK. OF PIER 5 BEAM 3.							
205	Reinforced Concrete Column	EA	6	6	0	0	0
215	Reinforced Concrete Abutment	LF	92	92	0	0	0
(215)							
MINOR VERTICAL CRACKING IN BACK WALLS. MINOR HORIZONTAL CRACKING IN ABUTMENT 6.							
234	Reinforced Concrete Pier Cap	LF	170	169	1	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
(234)							
MINOR VERTICAL CRACKING. MINOR SPALL ON TOP OF CAP 3 LT. AHD SIDE.							
303	Assembly Joint with Seal	LF	92	92	0	0	0
310	Elastomeric Bearing	EA	30	26	4	0	0
1000	Corrosion	EA	4	0	4	0	0
515	Steel Protective Coating	SF	45	45	0	0	0
(310)							
MINOR FLAKE RUST ON SOME BEARINGS AT ABUTMENTS 1 & 6.							
321	Reinforced Concrete Approach Slab	SF	3066	2800	200	40	26
1130	Cracking (RC and Other)	SF	266	0	200	40	26
(321)							
MINOR TO MAJOR CRACKING IN SLABS.							
331	Reinforced Concrete Bridge Railing	LF	1014	900	114	0	0
1130	Cracking (RC and Other)	LF	114	0	114	0	0
(331)							
MINOR TO MODERATE VERTICAL CRACKING.							



Roadway



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Maintenance Needs



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Deck Notes

DECK - MODERATE CRACKING THROUGHOUT DECK. SOME CRACKS UP TO 3/16" WIDE. MINOR TO MODERATE CRACKING W / EFFLOR IN OVERHANGS. HEAD WALL AT ABUTMENT 6 IS PATCHED. MINOR SPALLS & PATCHED AREAS ALONG JOINTS AT ABUTMENTS 1 & 6. RAIL - MINOR TO MODERATE VERTICAL CRACKING. SLIDE PLATES - GOOD. APPROACH SLABS - MINOR TO MAJOR CRACKING IN SLABS.

Superstructure Notes

5 BEAM WX STEEL MULTI BEAM - MINOR FLAKE RUST ON ENDS OF SOME BEAMS AT ABUTMENT 1. BOLT LOOSE ON 1st SPLICE PANEL BK. OF PIER 5 BEAM 3. BEARINGS - MINOR FLAKE RUST ON SOME BEARINGS AT ABUTMENTS 1 & 6.

Substructure Notes

ABUTMENT - MINOR VERTICAL CRACKING IN BACK WALLS. MINOR HORIZONTAL CRACKING IN ABUTMENT 6. COLUMNS - GOOD. CAPS - MINOR VERTICAL CRACKING. MINOR SPALL ON TOP OF CAP 3 LT. AHD SIDE. CHANNEL: CLAY & GRAVEL - NO SCOUR.