



Latitude:35.11211, Longitude:-92.43611

Route:40 Section:32 Log:125.11

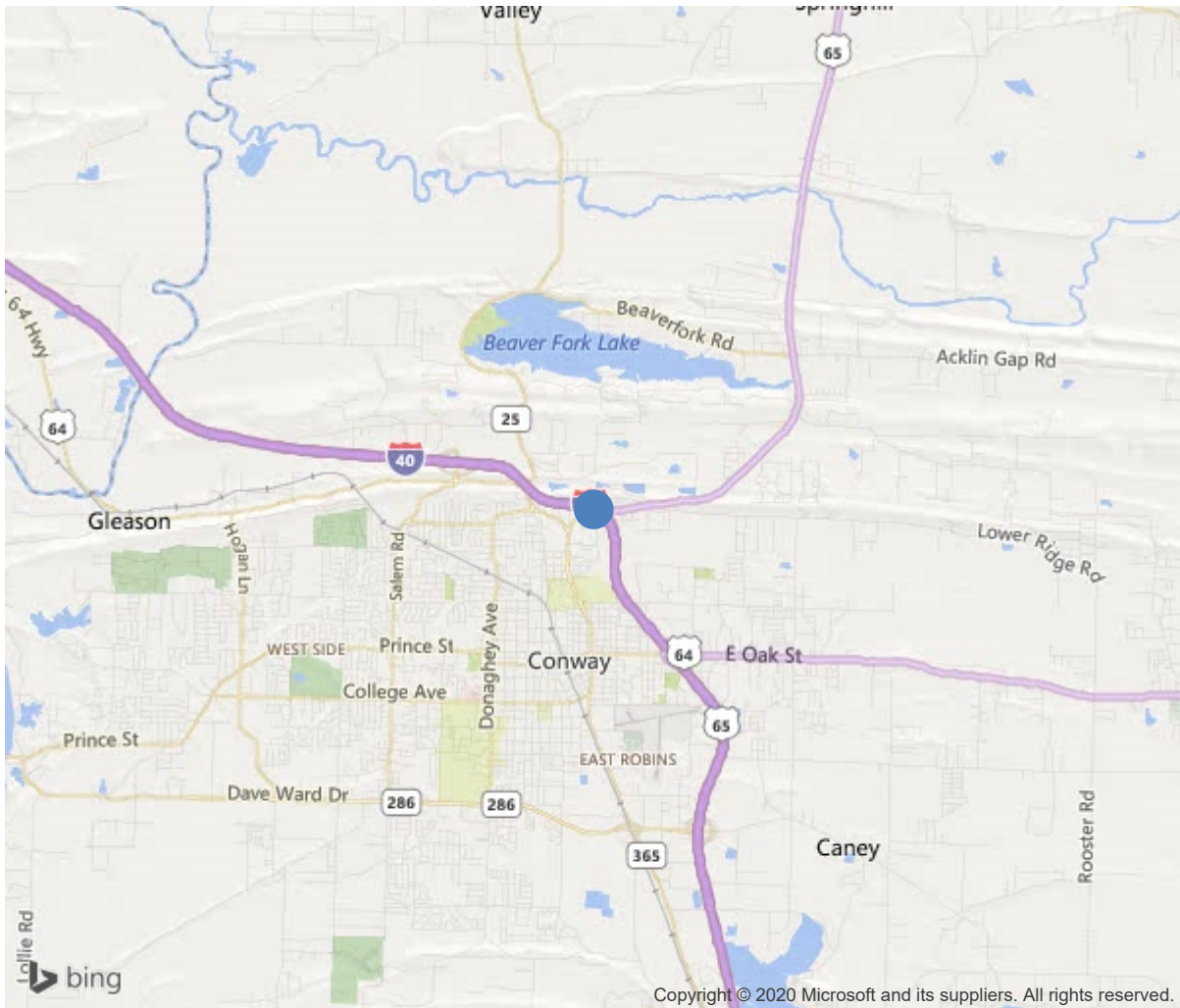
Arnold Road ID:23x40x32xA, Arnold Log mile:125.035

District 08, Faulkner County

Owner: 1-State Highway Agency

Place Code: 14560 - CONWAY

JCT I 40 & US 65



35.11211, -92.43611



Bridge #B6869(Routine)

I 40-SEC 32, EB LN over US 65-SEC 9

Location: JCT I 40 & US 65

Team Lead: Bruce Bryan Inspection Date: December 11, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	B6869
(5) Inventory Route	40
(2) Highway Agency District	08
(3) County Code	45-Faulkner County, Arkansas
(4) Place Code	14560
(6) Features Intersected	US 65-SEC 9
(7) Facility Carried	I 40-SEC 32, EB LN
(9) Location	JCT I 40 & US 65
(11) Mile Point	125.11 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000040320
(16) Latitude	35.11211
(17) Longitude	-92.43611
(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	4
(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	2004
(106) Year Reconstructed	0
(42) Type of Service	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	5
(29) Average Daily Traffic	20000
(30) Year of ADT	2018
(109) Truck ADT	16 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	105 ft
(49) Structure Length	364 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	43 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	45 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	16.42 ft
Ref:	
(55) Min Lat Underclear RT	17 ft
Ref:	
(56) Min Lat Underclear LT	5.5 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(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	11-Urban Principal Arterial - Int
(100) Defense Highway	1-The inventory route is on a In
(101) Parallel Structure	R-The right structure of paralle
(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	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	6-MS 18+Mod / HS 20+Mod
(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	4
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	6
(71) Waterway Adequacy	N
(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	N-Bridge not over waterway.
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	53600
(115) Year of Future ADT	2038
INSPECTIONS	
(90) Inspection Date	201912
(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	98
STATUS (SD/FO/None)	Not Deficient



Bridge #B6869 (Routine)

I 40-SEC 32, EB LN over US 65-SEC 9

Location: JCT I 40 & US 65

Team Lead: Bruce Bryan, Inspection Date: December 11, 2019

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	15583	13500	1783	300	0
1120	Efflorescence/Rust Staining	SF	200	0	200	0	0
1130	Cracking (RC and Other)	SF	1500	0	1200	300	0
1190	Abrasion/Wear (PSC/RC)	SF	383	0	383	0	0
(12)							
MODERATE CRACKING THROUGHOUT DECK. CRACKS UP TO 3/16" WIDE. MINOR CRACKING W / EFFLOR IN OVERHANGS. MINOR SCALE THROUGHOUT DECK. DECK DRAINS ON RT. SIDE ARE CLOGGED							
107	Steel Open Girder/Beam	LF	1805	1800	5	0	0
1020	Connection	LF	5	0	5	0	0
515	Steel Protective Coating	SF	22720	22720	0	0	0
(107)							
SEVERAL SPLICE PLATE BOLTS LOOSE AT VARIOUS LOCATIONS.							
Span #1: Beam #5 bottom splice plate - row 2 bolt 8 is loose, row 3 bolts 7 & 12 are loose.							
Span #2: Beam #2 bottom splice plate - row 1 bolt 7 is loose, row 2 bolt 3 is loose and rows 3 & 4 appear to have a few loose bolts. Beam #3 bottom splice plate - row 1 appears to have a couple bolts loose, row 2 bolt 5 is loose and row 4 bolts 5 & 8 are loose. Beam #4 bottom splice plate - row 2 bolt 4 is loose. Beam #5 bottom splice plate - row 1 bolts 8, 10, 11 & 14 are loose and row 4 has 4 bolts that appear to be loose.							
205	Reinforced Concrete Column	EA	9	9	0	0	0
215	Reinforced Concrete Abutment	LF	191	185	6	0	0
1130	Cracking (RC and Other)	LF	6	0	6	0	0
(215)							
MINOR VERTICAL CRACKING. MINOR VERTICAL CRACKING W / EFFLOR IN BACK WALL.							
234	Reinforced Concrete Pier Cap	LF	188	188	0	0	0
300	Strip Seal Expansion Joint	LF	118	118	0	0	0
310	Elastomeric Bearing	EA	25	25	0	0	0
515	Steel Protective Coating	SF	50	50	0	0	0
(310)							
SEVERAL ANCHOR BOLT NUTS LOOSE AT ABUTMENT 5.							
321	Reinforced Concrete Approach Slab	SF	2580	1780	250	550	0
1130	Cracking (RC and Other)	SF	800	0	250	550	0
(321)							
MODERATE TO MAJOR CRACKING IN SLABS.							
331	Reinforced Concrete Bridge Railing	LF	692	500	192	0	0

Team Lead: Bruce Bryan, **Inspection Date:** December 11, 2019

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1130	Cracking (RC and Other)	LF	192	0	192	0	0
(331)	MINOR VERTICAL & HORIZONTAL CRACKING THROUGHOUT RAIL.						



Roadway



Bridge #B6869(Routine)
I 40-SEC 32, EB LN over US 65-SEC 9

Location: JCT I 40 & US 65

Team Lead: Bruce Bryan **Inspection Date:** December 11, 2019

Maintenance Needs



Bridge #B6869(Routine)
I 40-SEC 32, EB LN over US 65-SEC 9

Location: JCT I 40 & US 65

Team Lead: Bruce Bryan Inspection Date: December 11, 2019

Inspection Comments

Deck Notes

DECK - MODERATE CRACKING THROUGHOUT DECK. CRACKS UP TO 3/16" WIDE. MINOR CRACKING W / EFFLOR IN OVERHANGS. MINOR SCALE THROUGHOUT DECK. DECK DRAINS ON RT. SIDE ARE CLOGGED. RAIL - MINOR VERTICAL & HORIZONTAL CRACKING THROUGHOUT RAIL. SEALS - GOOD APPROACH SLABS - MODERATE TO MAJOR CRACKING IN SLABS.

Superstructure Notes

5 BEAM WX STEEL MULTI BEAM - SEVERAL SPLICE PLATE BOLTS LOOSE AT VARIOUS LOCATIONS. BEARINGS - SEVERAL ANCHOR BOLT NUTS LOOSE AT ABUTMENT 5.

Substructure Notes

ABUTMENTS - MINOR VERTICAL CRACKING. MINOR VERTICAL CRACKING W / EFFLOR IN BACK WALL. COLUMNS - GOOD CAPS - GOOD NO CHANNEL