



Latitude:35.43464, Longitude:-93.41270

Route:39 Section:00 Log:1.5

Arnold Road ID:36xQUARRYSTx2xA, Arnold Log mile:0.775

District 08, Johnson County

Owner: 1-State Highway Agency



Bridge #03862(Routine)
Riverpoint Rd over I 40-SEC 21
Location: 0.50 mile west of SH 64

Team Lead: Bruce Bryan Inspection Date: February 22, 2018

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03862
(5) Inventory Route	39
(2) Highway Agency District	08
(3) County Code	71-Johnson County, Arkansas
(4) Place Code	0
(6) Features Intersected	I 40-SEC 21
(7) Facility Carried	Riverpoint Rd
(9) Location	0.50 mile west of SH 64
(11) Mile Point	1.5 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.434639
(17) Longitude	-93.412697
(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	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	0-None
AGE AND SERVICE	
(27) Year Built	1965
(106) Year Reconstructed	0
(42) Type of Service	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	4
(29) Average Daily Traffic	124
(30) Year of ADT	1987
(109) Truck ADT	1 %
(19) Bypass, Detour Length	10 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	68 ft
(49) Structure Length	326 ft
(50) Curb or Sidewalk Width	
Left	1.1 ft
Right	1.1 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	28.5 ft
(32) Approach Roadway Width (W/Shoulders)	26.9 ft
(33) Bridge Median	0-No median
(34) Skew	50 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	24 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.83 ft
Ref:	
(55) Min Lat Underclear RT	8 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	0
(26) Functional Class	9-Rural Local
(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	7
(61) Channel & Channel Protection	N
(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	52
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	5
Rating	31
(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	5
(69) Clearances, Vertical/Horizontal	3
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1110
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	0-Inspected feature does not meet cur
(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	166
(115) Year of Future ADT	2007
INSPECTIONS	
(90) Inspection Date	
(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



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	9206	7936	1270	0	0
1080	Delamination/Spall/Patched Area	SF	20	0	20	0	0
1130	Cracking (RC and Other)	SF	1250	0	1250	0	0
(12)	MINOR TO MODERATE CRACKING & SCALE THROUGHOUT DECK. MINOR DELAM, CRACKING & SPALLING IN SPAN 3. MINOR CRACKING W / EFFLOR IN SOFFIT & OVERHANGS.						
107	Steel Open Girder/Beam	LF	1615	1150	435	30	0
1000	Corrosion	LF	465	0	435	30	0
515	Steel Protective Coating	SF	11030	6530	2000	2500	0
3420	Peeling/Bubbling/Cracking	SF	2000	0	2000	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	2500	0	0	2500	0
(107)	COND. 1 - 1150 LF - MINOR CHALKING & PEELING OF PAINT. COND. 2 - 435 LF - MINOR RUST ON BEAMS IN SPAN 4 & ENDS OF BEAMS AT VARIOUS LOCATIONS. COND. 3 - 30 LF - MINOR RUST, PITTING & OLD SECTION LOSS IN HAUNCHED AREAS ON ENDS OF SOME BEAMS AT PIERS 2 - 5.						
205	Reinforced Concrete Column	EA	8	7	1	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
(205)	COND. 1 - 7 EA - GOOD COND. 2 - 1 EA - MINOR HONEYCOMB ON CORNERS OF COLUMN 1 AT PIER 2.						
215	Reinforced Concrete Abutment	LF	89	89	0	0	0
(215)	MINOR VERTICAL CRACKING W / EFFLOR IN BACK WALLS.						
234	Reinforced Concrete Pier Cap	LF	164	163	1	0	0
1090	Exposed Rebar	LF	1	0	1	0	0
(234)	COND. 1 - 163 LF - MINOR VERTICAL CRACKING & SOME POPOUTS AT FORM HOLES. COND. 2 - 1 LF - MINOR SPALLING W / REBAR EXPOSED IN BK FACE OF CAP 2. SPALL DUE TO REBAR TOO CLOSE TO SURFACE.						
305	Assembly Joint without Seal	LF	224	224	0	0	0
311	Movable Bearing	EA	25	25	0	0	0
515	Steel Protective Coating	SF	75	55	20	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	20	0	20	0	0



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
(311)	MINOR RUST ON BEARINGS.						
313	Fixed Bearing	EA	25	25	0	0	0
515	Steel Protective Coating	SF	75	55	20	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	20	0	20	0	0
(313)	MINOR RUST ON BEARINGS.						
330	Metal Bridge Railing	LF	652	652	0	0	0
(330)	Aluminum						
331	Reinforced Concrete Bridge Railing	LF	652	652	0	0	0
(331)	MINOR VERTICAL CRACKING.						



Roadway



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Maintenance Needs



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Inspection Comments

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Deck Notes

DECK - MINOR TO MODERATE CRACKING & SCALE THROUGHOUT DECK. MINOR DELAM, CRACKING & SPALLING IN SPAN 3. MINOR CRACKING W / EFFLOR IN SOFFIT & OVERHANGS. ALUMINUM RAIL - GOOD CONCRETE RAIL - MINOR VERTICAL CRACKING. JOINTS - GOOD

Superstructure Notes

5 BEAM PAINTED STEEL MULTI BEAM - COND. 1 - 1150 LF - MINOR CHALKING & PEELING OF PAINT. COND. 2 - 435 LF - MINOR RUST ON BEAMS IN SPAN 4 & ENDS OF BEAMS AT VARIOUS LOCATIONS. COND. 3 - 30 LF - MINOR RUST, PITTING & OLD SECTION LOSS IN HAUNCHED AREAS ON ENDS OF SOME BEAMS AT PIERS 2 - 5. BEARINGS - MINOR RUST ON BEARINGS.

Substructure Notes

ABUTMENTS - MINOR VERTICAL CRACKING W / EFFLOR IN BACK WALLS. COLUMNS - COND. 1 - 7 EA - GOOD COND. 2 - 1 EA - MINOR HONEYCOMB ON CORNERS OF COLUMN 1 AT PIER 2. CAPS - COND. 1 - 163 LF - MINOR VERTICAL CRACKING & SOME POPOUTS AT FORM HOLES. COND. 2 - 1 LF - MINOR SPALLING W / REBAR EXPOSED IN BK FACE OF CAP 2. SPALL DUE TO REBAR TOO CLOSE TO SURFACE.