



Latitude:34.04561, Longitude:-92.23390

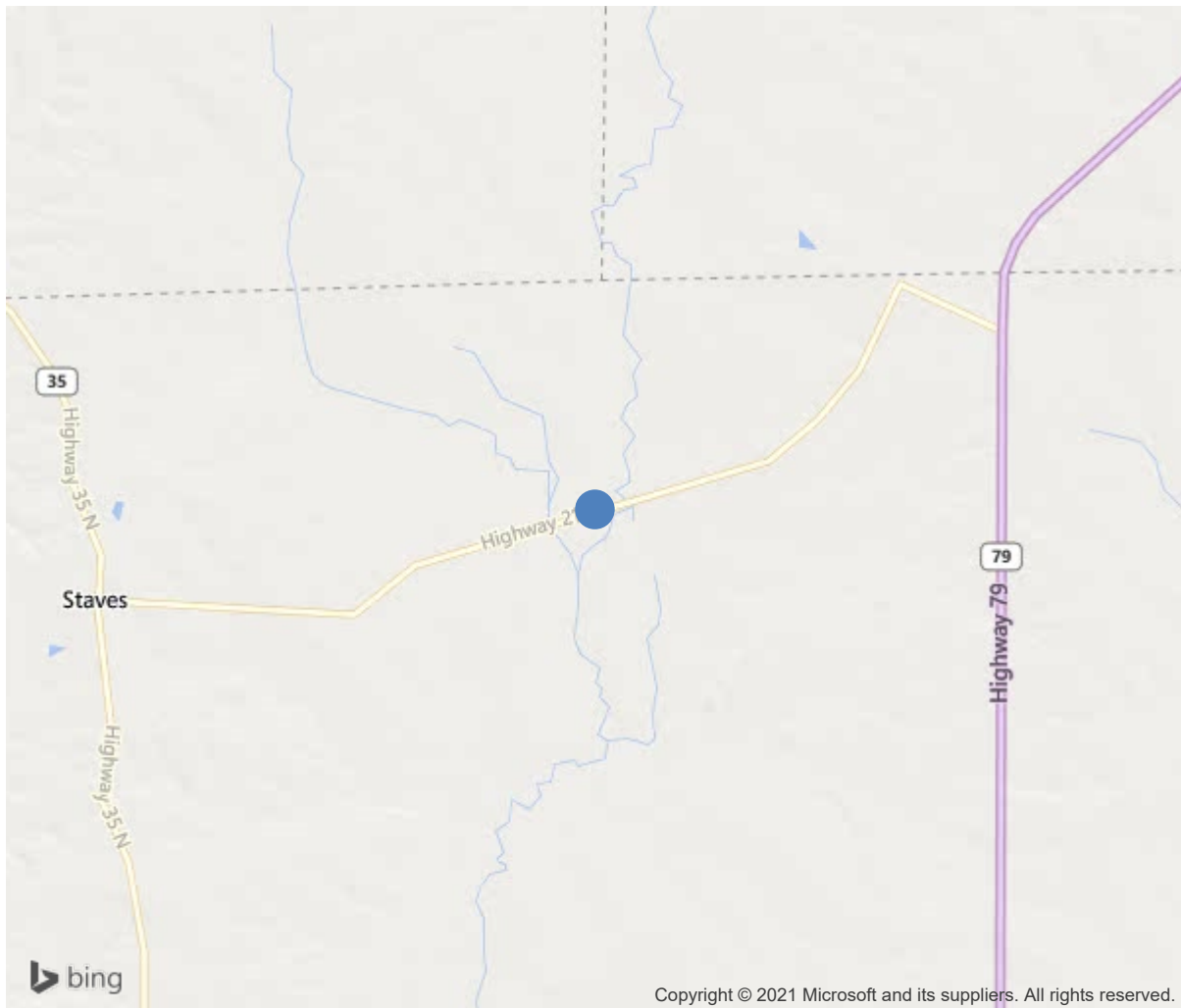
Route:212 Section:01 Log:2.63

Arnold Road ID:13x212x1xA, Arnold Log mile:2.633

District 07, Cleveland County

Owner: 1-State Highway Agency

2.63 MI E JCT SH 35



34.04561, -92.23390



Bridge #M3994(Routine)

SH 212 S-1 LM 2.63 over BAYOU DERRISEAUX

Location: 2.63 MI E JCT SH 35

Team Lead: Rickie Bratton Inspection Date: July 22, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M3994
(5) Inventory Route	212
(2) Highway Agency District	07
(3) County Code	25-Cleveland County, Arkansas
(4) Place Code	0
(6) Features Intersected	BAYOU DERRISEAUX
(7) Facility Carried	SH 212 S-1 LM 2.63
(9) Location	2.63 MI E JCT SH 35
(11) Mile Point	2.63 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.04561
(17) Longitude	-92.2339
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	72
Material	7-Wood or timber
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	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	440
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	10 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	19 ft
(49) Structure Length	97 ft
(50) Curb or Sidewalk Width	
Left	0.6 ft
Right	0.6 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	25.5 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	24 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	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	7
(61) Channel & Channel Protection	5
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	4-M 18 / H 20
(63) Operating Rating Method	2
(64) Operating Rating	
Type	2-Allowable Stress(AS)
Rating	22
(65) Inventory Rating Method	2-Allowable Stress(AS)
(66) Inventory Rating	
Type	5
Rating	13
(70) Bridge Posting	0-> 39.9% below
(41) Structure Open/Posted/Closed	P-Posted for load (may include o
APPRAISAL	
(67) Structural Evaluation	4
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	0011
A) Bridge Railings	0-Inspected feature does not meet cur
B) Transitions	0-Inspected feature does not meet cur
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	511
(115) Year of Future ADT	2028
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

Location: 2.63 MI E JCT SH 35

Team Lead: Rickie Bratton, **Inspection Date:** July 22, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	2474	2474	0	0	0
510	Wearing Surfaces	SF	2328	2328	0	0	0
(12)	New AC overlay on deck and cannot view deck soffit.						
111	Timber Open Girder/Beam	LF	1649	757	856	36	0
1140	Decay/Section Loss	LF	70	0	34	36	0
1150	Check/Shake	LF	822	0	822	0	0
(111)	Some rot on ends. outside girders have been exposed to weather and roadway salts. Minor checks, wear etc. 07-26-2016 Girder 1 span 1 rotten on end bearing @ abutment 1						
216	Timber Abutment	LF	50	50	0	0	0
(216)	Ends exposed to weather have abrasion and wear. 07-26-2016 Abutment 1 rotten and crushing over pile 1. 07-25-2017 JPR both abutment caps have been replaced.						
228	Timber Pile	EA	28	28	0	0	0
235	Timber Pier Cap	LF	100	93	7	0	0
1140	Decay/Section Loss	LF	7	0	7	0	0
(235)	Ends exposed to the elements have decay and section loss.						
330	Metal Bridge Railing	LF	194	0	194	0	0
1000	Corrosion	LF	194	0	194	0	0
515	Steel Protective Coating	SF	388	388	0	0	0
(330)	Rail is exposed to the elements and has some wear.						



Bent 4 right side cap has decay on outside 1 foot



Roadway



Underside span 4



Posting sign



Deck



End weight limit posting



Load posting sign beginning of structure.



Elevation



Span 2 soffit



Load posting sign end of structure.



Deck overview



Approach roadway.



Bridge #M3994(Routine)
SH 212 S-1 LM 2.63 over BAYOU DERRISEAUX

Location: 2.63 MI E JCT SH 35

Team Lead: Rickie Bratton Inspection Date: July 22, 2020

Maintenance Needs

Date Reported: 07/01/2013

Priority: D- Routine

Type of Work: None

Status: Monitor

Component:

Deficiency Description

Scour @ abutment 2 Lt. end is within 3' of cap, and Rt. end is within 5' of cap, scour is about 3'deep.

Remarks



Bridge #M3994(Routine)
SH 212 S-1 LM 2.63 over BAYOU DERRISEAUX

Location: 2.63 MI E JCT SH 35

Team Lead: Rickie Bratton Inspection Date: July 22, 2020

Date Reported: 10/22/2018

Priority: D- Routine

Type of Work: None

Status: Monitor

Component:

Deficiency Description

Girders rotten on ends at abutment 2

Remarks



Girders rotten on ends at abutment 2



Bridge #M3994(Routine)
SH 212 S-1 LM 2.63 over BAYOU DERRISEAUX

Location: 2.63 MI E JCT SH 35

Team Lead: Rickie Bratton Inspection Date: July 22, 2020

Inspection Comments

Logged west to east.

Deck Notes

Joints leaking. Both posting signs present at time of inspection. The camera cut off part of photo when it was processed.

Superstructure Notes

Girders were salvaged and have old nails protruding from the bottoms. Girder 1 span 1 rotten on end, right outside girder span 1 has a long shake.

Substructure Notes

Bent 1 cap rotten on left end and crushing, girder 1 span 1 rotten @ bearing area with cap Abutment 2 cap rotten on Rt. end. Pile 2 bent 5 no brace between original stub and splice. Bt. 1 piles 1-2 & 4 rotten crushing. Bent 2 pile 2, stub is rotten below splice and has failed, Bent 2 pile 6 rotten and crushing. Bent 5 pile 5 original stub is rotten below the splice. (No braces present on spliced piles) Pile 1 bent 2 has a longitudinal crack pile 4 has a full length shake. Lowered substructure rating to 4, crushed and rotten piles and/or crushed or failed stub piles. RHS

07-25-2017 JPR up rating to a 6 due to repairs made to substructure

Load Rating

Changed Code 9 tonnage to 27 since 24 is within the 3 ton tolerance for not changing existing posting. DRB, 9/29/17

*****This bridge has very old sketches in Oasis. They are actually from 1998. They are not good quality sketches. It would be extremely beneficial to have new sketches for this bridge. *****