



Latitude:34.04616, Longitude:-92.23149

Route:212 Section:01 Log:2.779

Arnold Road ID:13x212x1xA, Arnold Log mile:2.776

District 07, Cleveland County

Owner: 1-State Highway Agency

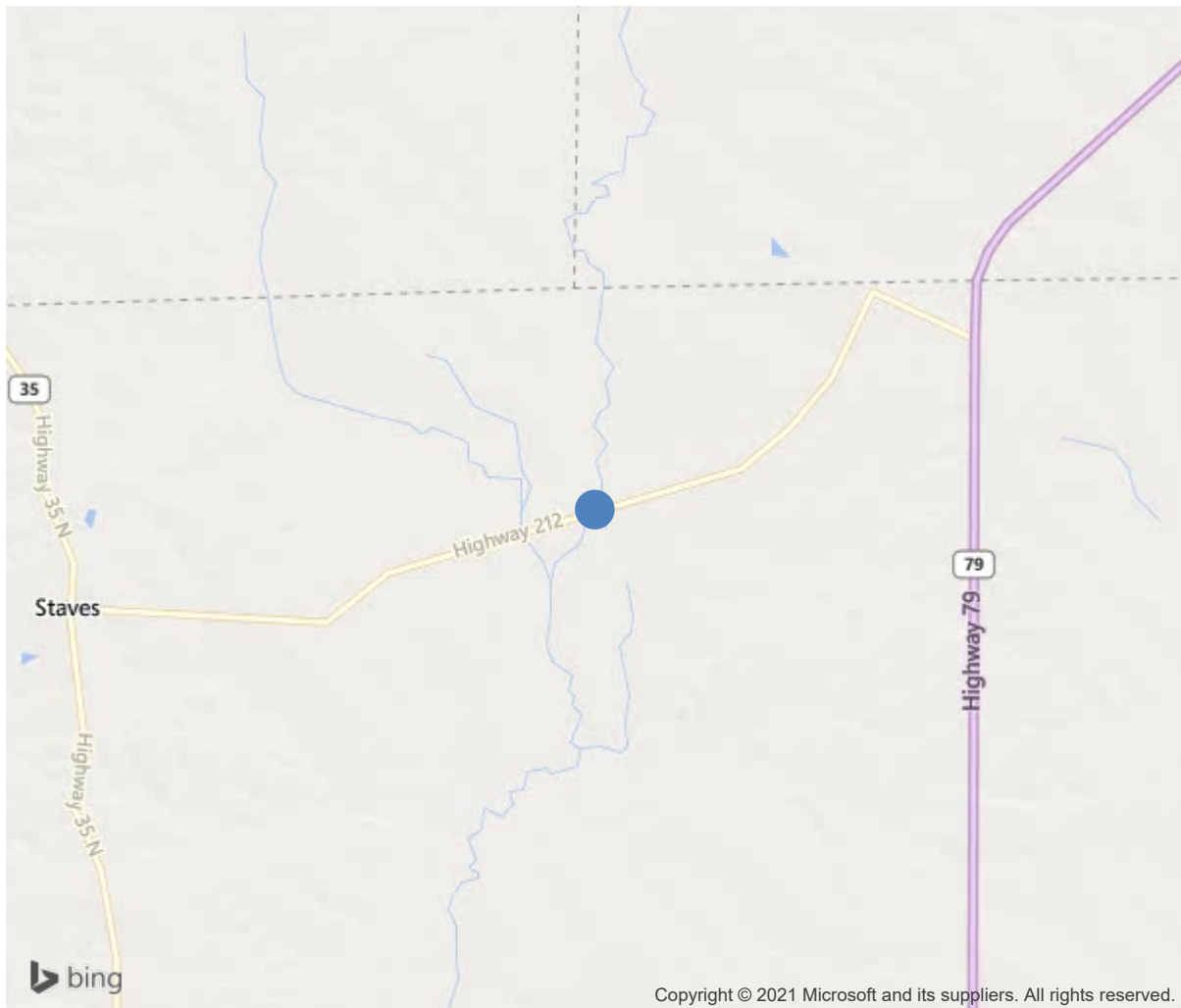


Bridge #M3995(Routine)  
SH212 S1 LM 2.77 over BAYOU DERRISEAUX

Location: 2.78 MI E JCT SH 35

Team Lead: Rickie Bratton Inspection Date: June 10, 2020

2.78 MI E JCT SH 35



34.04616, -92.23149



Bridge #M3995(Routine)

SH212 S1 LM 2.77 over BAYOU DERRISEAUX

Location: 2.78 MI E JCT SH 35

Team Lead: Rickie Bratton Inspection Date: June 10, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M3995
(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	SH212 S1 LM 2.77
(9) Location	2.78 MI E JCT SH 35
(11) Mile Point	2.779 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.04616
(17) Longitude	-92.23149
(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	12
(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	1975
(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	229 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 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	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0-Other or Unknown
(63) Operating Rating Method	B
(64) Operating Rating	
Type	B-Assigned ratings based on Allowable Stress De
Rating	27
(65) Inventory Rating Method	B-Assigned ratings based on Allo
(66) Inventory Rating	
Type	12
Rating	17
(70) Bridge Posting	1-30.0 - 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	7
(72) Approach Roadway Alignment	7
(36) Traffic Safety Features	0000
A) Bridge Railings	0-Inspected feature does not meet cur
B) Transitions	0-Inspected feature does not meet cur
C) Approach Guardrail	0-Inspected feature does not meet cur
D) 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	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: 2.78 MI E JCT SH 35**

**Team Lead:** Rickie Bratton, **Inspection Date:** June 10, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	5840	5840	0	0	0
510	Wearing Surfaces	SF	5496	5496	0	0	0
3220	Crack (Wearing Surface)	SF	0	0	0	0	0
(12) New AC OL							
111	Timber Open Girder/Beam	LF	4122	2061	2061	0	0
1140	Decay/Section Loss	LF	2061	0	2061	0	0
(111) 06/04/2018 JPR -- Numerous Timber Girders/Beams have white rot forming on the outer surfaces which will eventually cause structural damage to the girders. This is typical of all spans.							
216	Timber Abutment	LF	51	26	25	0	0
1170	Split/Delamination (Timber)	LF	25	0	25	0	0
228	Timber Pile	EA	77	75	2	0	0
1140	Decay/Section Loss	EA	2	0	2	0	0
(228) Several stub repaired piling are not braced. Rotten piling have been repaired / replaced. Bent 12 Pile 7 is beginning to rot and has vegetation growing out of the top.							
235	Timber Pier Cap	LF	280	225	45	10	0
1140	Decay/Section Loss	LF	55	0	45	10	0
(235) Bt cap 2 left end rotten. See picture. Both sides of all interior bents have 2' of decay and section loss. Bent 8 cap crushing over Pile 1							
304	Open Expansion Joint	LF	204	0	204	0	0
2360	Adjacent Deck or Header	LF	204	0	204	0	0
330	Metal Bridge Railing	LF	458	0	458	0	0
1000	Corrosion	LF	458	0	458	0	0
(330) Rail has been replaced with metal railing and post.							





End weight limit posting



Deck overview





Bent 9 cap right end decayed and top of pile 7



Bent 9 pile 7, decayed at cap and 3 feet from ground line





Right end of cap bent 3, decay



Span 2 soffit





Beginning weight limit posting



Approach roadway





Span 2 soffit



Elevation





Deck overview



End weight limit posting.





Bt 3 cap right end, decayed.



Bent 8, left end of cap crushing over pile 1.





Approach with load posting sign



Beginning weight limit posting.

## Maintenance Needs

**Date Reported:** 08/07/2018

**Priority:** D- Routine

**Type of Work:** None

**Status:** Monitor

**Component:**

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## Deficiency Description

Bent 12 Pile 7, is beginning to rot on the top and has vegetation growing out of it.

## Remarks

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Bent 12 Pile 7, is beginning to rot on the top and has vegetation growing out of it.





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SH212 S1 LM 2.77 over BAYOU DERRISEAUX  
Location: 2.78 MI E JCT SH 35

Team Lead: Rickie Bratton Inspection Date: June 10, 2020

Date Reported: 06/03/2019

Priority: D- Routine

Type of Work: None

Status: Monitor

Component:

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### Deficiency Description

All interior bents, ends of caps are decaying.

### Remarks

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Bt 3 cap right end, decayed.

**Date Reported:** 06/11/2020  
**Priority:** B - Pressing; 6 month completion goal  
**Type of Work:** Replace  
**Status:** Open  
**Component:** Substructure

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**Deficiency Description**

Bent 12 cap, right end is starting to crush, and pile 7 under cap is decayed at top of pile.

**Remarks**

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Bent 12, cap is crushing, and pile 7 is decayed



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Team Lead: Rickie Bratton Inspection Date: June 10, 2020

Date Reported: 06/11/2020  
Priority: C - Important  
Type of Work: Repair  
Status: Open  
Component:

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#### Deficiency Description

End of bridge right side, active erosion to bank.

#### Remarks

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Right side end of bridge, active erosion to slope





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Team Lead: Rickie Bratton Inspection Date: June 10, 2020

### Inspection Comments

06/04/2018 JPR -- This structure is logged from Southwest to Northeast.

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### Deck Notes

D7 bridge crew removed old wooden curbing and posts. Installed metal posts and rails.

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### Substructure Notes

D7 bridge crew replaced / repaired rotten and crushed piles noted on previous maint. needs forms. Bt cap 2 left end rotten. See picture. 05/23/2017 JPR -- Both sides of all interior bents have 2' of decay and section loss to the ends of the caps.

Bent 5 lt end of cap starting to crush over pile 1.

bent 10 left end of cap starting to crush over pile 1.

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### Load Rating

\*\*\*\*\*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. \*\*\*\*\*