



Latitude:35.90734, Longitude:-91.29046

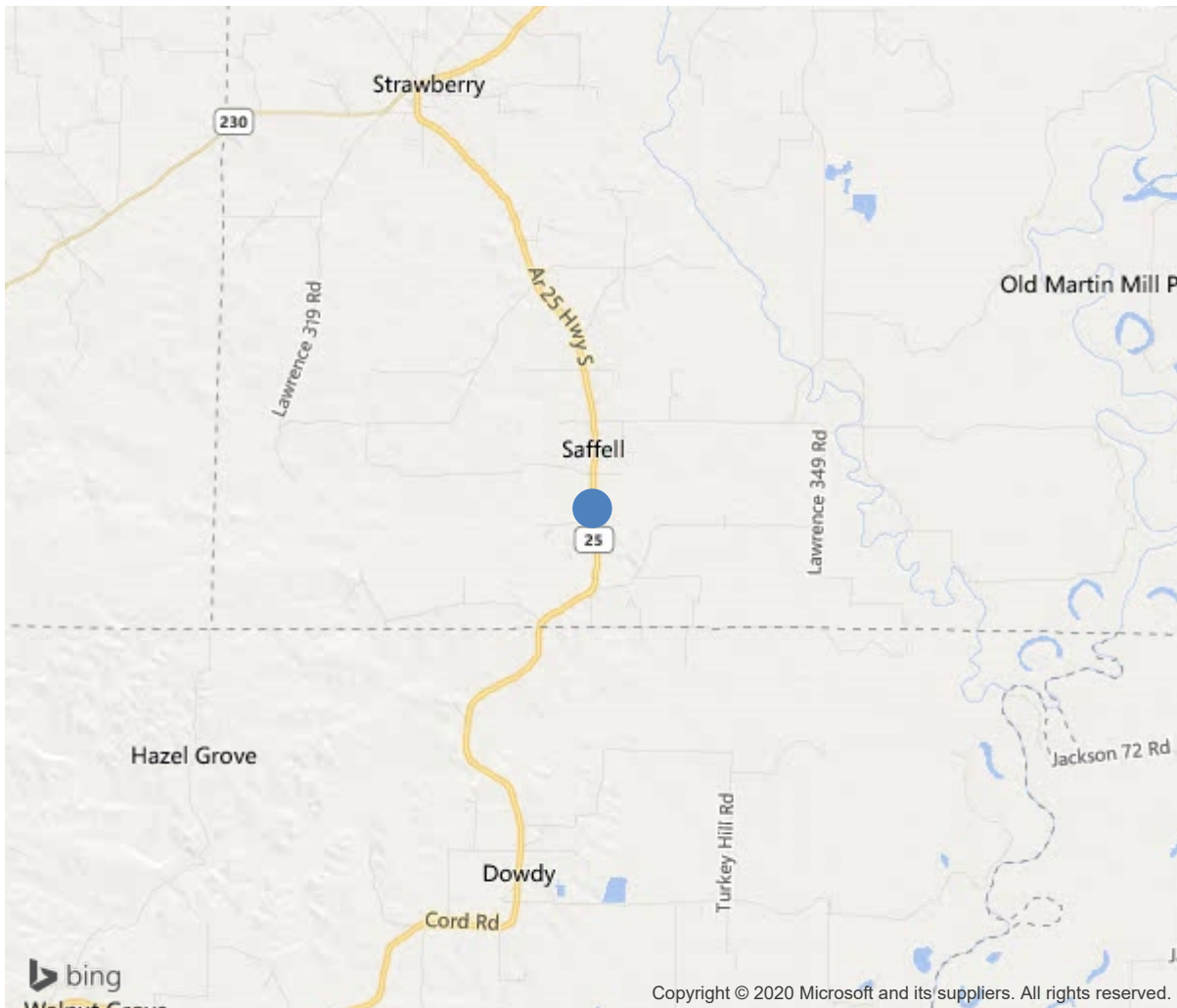
Route:25 Section:06 Log:1.45

Arnold Road ID:38x25x6xA, Arnold Log mile:1.435

District 10, Lawrence County

Owner: 1-State Highway Agency

1.45 M N INDEPENDENCE COL



35.90734, -91.29046



Bridge #M0604(Routine)

SH 25-06- LM 1.45 over CANEY CREEK RELIEF

Location: 1.45 M N INDEPENDENCE COL

Team Lead: James Adams Inspection Date: October 03, 2019

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M0604
(5) Inventory Route	25
(2) Highway Agency District	10
(3) County Code	75-Lawrence County, Arkansas
(4) Place Code	0
(6) Features Intersected	CANEY CREEK RELIEF
(7) Facility Carried	SH 25-06- LM 1.45
(9) Location	1.45 M N INDEPENDENCE COL
(11) Mile Point	1.45 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000025060
(16) Latitude	35.90734
(17) Longitude	-91.29046
(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	3
(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	1962
(106) Year Reconstructed	0
(42) Type of Service	19
On	1-Highway
Under	9-Relief for waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	1000
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	15 ft
(49) Structure Length	46 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	24.3 ft
(52) Deck Width Out to Out	25.3 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 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	25.3 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	5-None present but re-evaluation
(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	6-Rural Minor Arterial
(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	4
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0-Other or Unknown
(63) Operating Rating Method	2
(64) Operating Rating	
Type	2-Allowable Stress(AS)
Rating	23
(65) Inventory Rating Method	2-Allowable Stress(AS)
(66) Inventory Rating	
Type	3
Rating	15
(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	8
(72) Approach Roadway Alignment	8
(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	Replacement of bridge or other
(76) Length of Structure Improvement	70 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 156
(96) Total Project Cost	\$ 339
(97) Year of Improvement Cost Estimate	2003
(114) Future ADT	1087
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	201910
(91) Frequency	24 Months
(92) Critical Feature Inspection	Done Freq. (Mon) Date
A: Fracture Critical Detail	No 24
B: Underwater Inspection	Yes 0
C: Other Special Inspection	No 0

SUFFICIENCY RATING	26.8
STATUS (SD/FO/None)	Structurally Deficient



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Location: 1.45 M N INDEPENDENCE COL

Team Lead: Cory Shaw, Inspection Date: October 03, 2019

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	1164	1022	0	142	0
1120	Efflorescence/Rust Staining	SF	142	0	0	142	0
510	Wearing Surfaces	SF	1118	773	345	0	0
3220	Crack (Wearing Surface)	SF	345	0	345	0	0
111	Timber Open Girder/Beam	LF	675	0	672	3	0
1140	Decay/Section Loss	LF	64	0	61	3	0
1150	Check/Shake	LF	611	0	611	0	0
216	Timber Abutment	LF	71	0	63	8	0
1140	Decay/Section Loss	LF	71	0	63	8	0
228	Timber Pile	EA	20	3	12	4	1
1140	Decay/Section Loss	EA	5	0	0	4	1
1150	Check/Shake	EA	12	0	12	0	0
235	Timber Pier Cap	LF	101	50	50	1	0
1140	Decay/Section Loss	LF	1	0	0	1	0
1150	Check/Shake	LF	50	0	50	0	0
330	Metal Bridge Railing	LF	92	46	46	0	0
1000	Corrosion	LF	46	0	46	0	0
515	Steel Protective Coating	SF	313	219	94	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	94	0	94	0	0



Span 2 soffit



Roadway



Bent 4 pile 5 repaired



Beg posting 2019



End posting



Bent 1 pile 2 2019



Deck



Bent 1 pile 1 2019



Bent 4 pile 4 2019



Bridge #M0604(Routine)

SH 25-06- LM 1.45 over CANEY CREEK RELIEF

Location: 1.45 M N INDEPENDENCE COL

Team Lead: James Adams **Inspection Date:** October 03, 2019

Maintenance Needs



Inspection Comments

Deck Notes

Right approach rail
& 2 post at bent 1 is damaged and leaning away from roadway. Beginning weight limit
posting is faded & difficult to read. See 2019 photo

Metal bridge rail has
30% paint deterioration.

Wearing surface has a
few transverse and longitudinal cracks.

Debris & vegetation
buildup in gutters.

Right curb is deteriorated
at spans 1 – 3.

Left and right overhangs
have numerous cracks with efflorescence.

Soffit has cracking with some efflorescence.

Superstructure Notes

Timber Girders have some decay and checking especially ends of
girders over bents 1 and 4.

Span 1 Bent 1 Girder 8 has moderate decay over bent.

Span
3 girder 5 at bent 4 has 2 ft. of moderate decay over bent.

Substructure Notes



Team Lead: James Adams Inspection Date: October 03, 2019

Bent 1 right end cap is decayed with some section loss.

Timber piling has minor core decay.

Bent 1 pile 1 is decayed and hollow near ground line.

Bent 1 pile 2 is decayed and partially hollow.

Bent 1 piles 3 and 5 have core decay.

Bent 2 pile 1 has moderate outside decay and checking.

Bent 2 pile 4 has been spliced in the past.

Bent 3 subcap has a check for full length of cap.

Bent 4 pile 3 is decayed and partially hollow.

Bent 4 pile 4 has up to 4 in. of outside decay and section loss at ground line.

Bent 4 pile 5 has been repaired,

Bent 4 backwall is decayed and has a 1' x 1.5' hole behind pile 2, losing roadway embankment.

Bent 4 backwall has one board broken behind pile 4 losing roadway embankment.