



Latitude:35.17347, Longitude:-92.15882

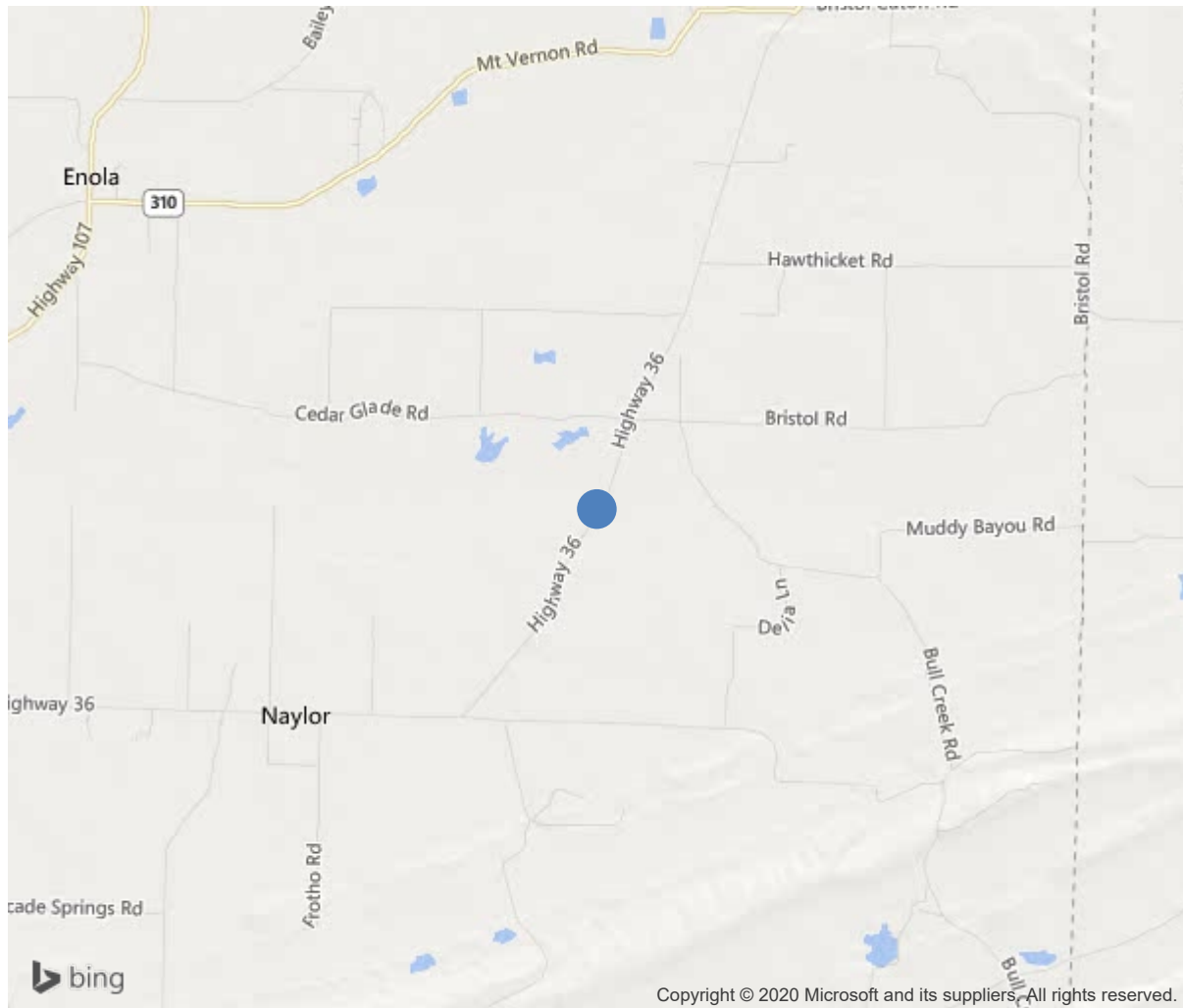
Route:36 Section:01 Log:12.76

Arnold Road ID:23x36x1xA, Arnold Log mile:12.72

District 08, Faulkner County

Owner: 1-State Highway Agency

2.0 MI NE OF NAYLOR



35.17347, -92.15882



**Bridge #03480(Routine)**  
**SH 36 over Muddy Bayou Relief**  
**Location: 2.0 MI NE OF NAYLOR**

**Team Lead: Gary Dorrough Inspection Date: September 13, 2018**

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03480
(5) Inventory Route	36
(2) Highway Agency District	08
(3) County Code	45-Faulkner County, Arkansas
(4) Place Code	0
(6) Features Intersected	Muddy Bayou Relief
(7) Facility Carried	SH 36
(9) Location	2.0 MI NE OF NAYLOR
(11) Mile Point	12.76 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.1734692859422
(17) Longitude	-92.1588164692455
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1-Concrete
Type	1-Slab
(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	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	1000
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	20 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	75 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	28.5 ft
(32) Approach Roadway Width (W/Shoulders)	25.9 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	25.9 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	7
(59) Superstructure	7
(60) Substructure	6
(61) Channel & Channel Protection	6
(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	48
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	3
Rating	29
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	6
(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	8-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	1740
(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

**Team Lead:** Gary Dorrough, **Inspection Date:** September 13, 2018

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	1988	1834	150	4	0
1080	Delamination/Spall/Patched Area	SF	154	0	150	4	0
510	Wearing Surfaces	SF	1500	1350	75	75	0
3210	Delam/Spall/Patched Area/Pothole	SF	100	0	25	75	0
3220	Crack (Wearing Surface)	SF	50	0	50	0	0
(38) Wearing surface does not extend into the gutters. On the left side there is spalls in the edges of the wearing surface for the length of bridge. 75 SF C3. Cracks over joints 50 SF C2. Other minor spalls 25 SF C2  Gutters with no wearing surface: End of span #2, left side - unsound patched area. 4 SF C3. Minor to moderate scale and minor spalls. 150 SF C2 Right side - gravel and debris holding water.  Underside: A few minor longitudinal cracks.							
205	Reinforced Concrete Column	EA	4	4	0	0	0
215	Reinforced Concrete Abutment	LF	74	74	0	0	0
(215) Added wings to abutment quantities.							
234	Reinforced Concrete Pier Cap	LF	55	48	3	4	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1090	Exposed Rebar	LF	4	0	0	4	0
(234) Pier #2, back right side - spalls with rebar exposed. 4 LF C3. Left side - Minor to moderate spalls 2 LF C2  Pier #3, left ahead side - minor spall with rebar exposed where rebar was to close to surface 1 LF C2							
301	Pourable Joint Seal	LF	52	52	0	0	0
(301) Joints covered with asphalt.							
330	Metal Bridge Railing	LF	150	150	0	0	0
515	Steel Protective Coating	SF	450	450	0	0	0
(330) Primer showing and minor rust in various places.							



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## **Maintenance Needs**



**Bridge #03480**(Routine)

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## Deck Notes