



Latitude:34.19797, Longitude:-91.58267

Route:83 Section:00 Log:4.1

Arnold Road ID:35xWRAPERDx1xA, Arnold Log mile:1.687

District 02, 69 - Jefferson County

Owner: 2 - County Highway Agency

Inspection Direction: 2 - S to N

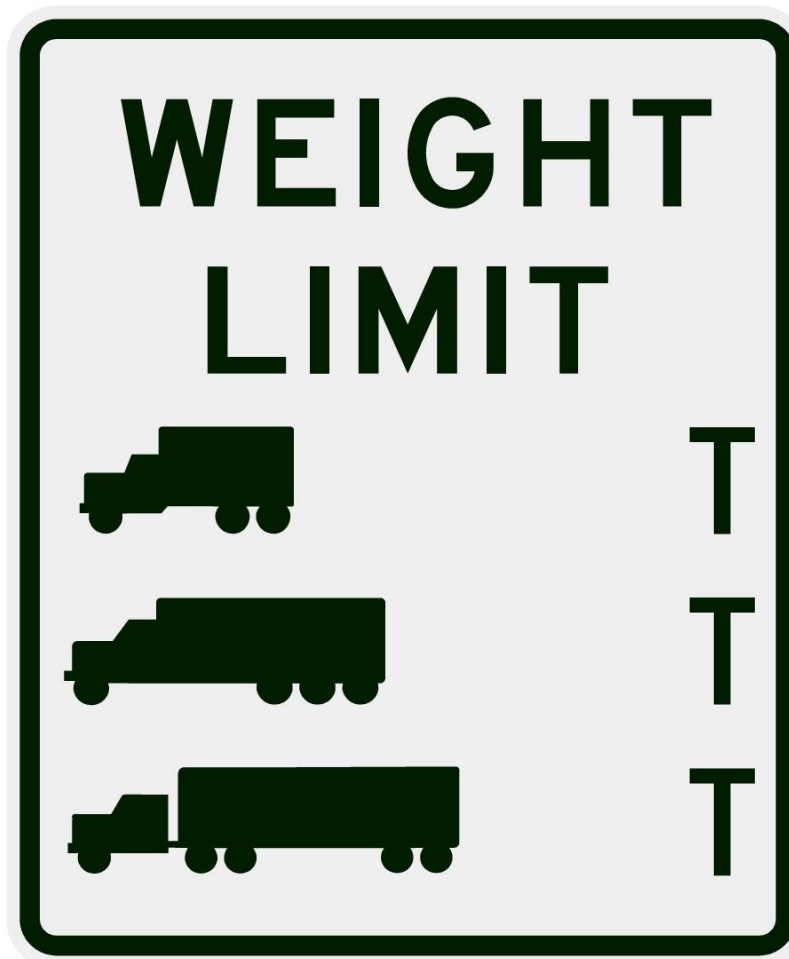
Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

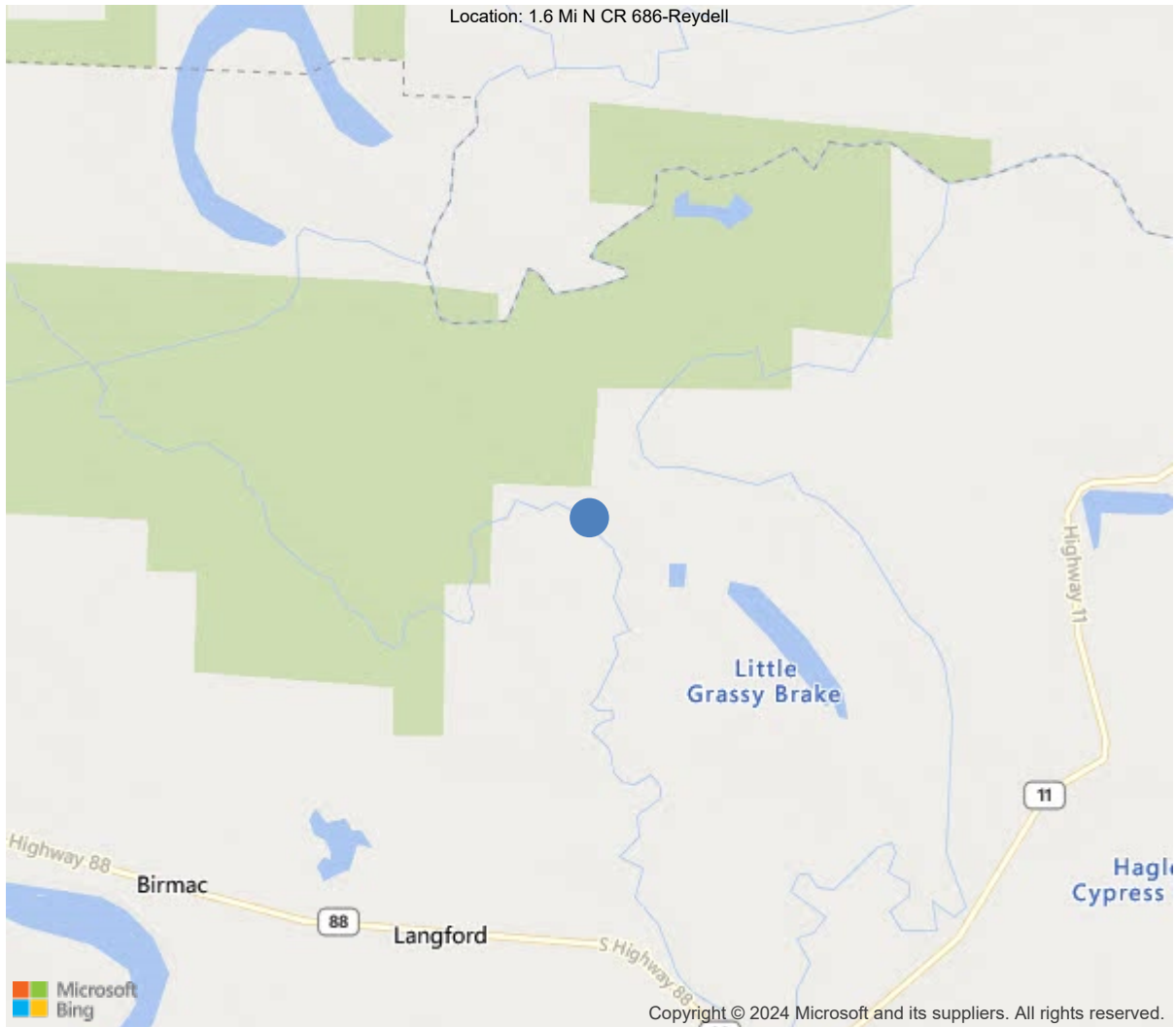
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	60		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



34.19797, -91.58267



Asset #04447(Routine)

Wrape Road-CR 83 over Little Bayou Meto

Location: 1.6 Mi N CR 686-Reydel

Team Lead: Sharon Hooks Inspection Date: 12/18/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	04447
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	69 - Jefferson County
(4) Place Code	0
(6) Features Intersected	Little Bayou Meto
(7) Facility Carried	Wrape Road-CR 83
(9) Location	1.6 Mi N CR 686-Reydel
(11) Mile Point	4.1 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.1979749507648
(17) Longitude	-91.5826679153442
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(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	2 - Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1983
(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	2
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	93 ft
(50) Curb or Sidewalk Width	
Left	1 ft
Right	1 ft
(51) Bridge Roadway Width Curb to Curb	19 ft
(52) Deck Width Out to Out	21 ft
(32) Approach Roadway Width (W/Shoulders)	16.1 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	99.9 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 w
(111) Pier Protection	5 - None present but re-evalua
(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
(101) Parallel Structure	N - No parallel structure exis
(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
(20) Toll	3 - On free road. The structu
(21) Maintain	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	7
(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	60
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	36
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	3
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(113) Scour Critical Bridges	5 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	120 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 109
(96) Total Project Cost	\$ 310
(97) Year of Improvement Cost Estimate	2004
(114) Future ADT	143
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	12/18/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			



Asset #04447(Routine)

Wrape Road-CR 83 over Little Bayou Meto

Location: 1.6 Mi N CR 686-Reydel

Team Lead: Sharon Hooks Inspection Date: 12/18/2023

General Observation

Bridge is logged from south to north.

58 - Deck (7 - GOOD CONDITION - some minor problems.)

Some abrasion due to gravel on deck.

59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

Some minor spalls in various locations on channel legs.

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Bent 3 cap has small contact spalls on back and ahead face.

A-46 - Asset Files

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	1953	1895	58	0	0
1080	Delamination/Spall/Patched Area	SF	8	0	8	0	0
1190	Abrasion/Wear (PSC/RC)	SF	50	0	50	0	0
(16) Deck: 21' wide x 93' long = 1953 sqft. Joints are completely grouted and grout is in good condition. Dirt/gravel covering most of deck surface with only a few areas where deck shows through. Scattered abrasive wear from gravel. Span 1 Unit 3 left side: Spall along top edge.							
110	Reinforced Concrete Open Girder/Beam	LF	558	546	12	0	0
1080	Delamination/Spall/Patched Area	LF	12	0	12	0	0
(110) Girders: 6 precast channel beam units per span / Spans 1-3 (31' each = 93' total span). Units are bolted transversely and longitudinally - no noted missing or loose bolts. A couple of small spalls along channel legs various locations.							
215	Reinforced Concrete Abutment	LF	58	58	0	0	0
(215) Abutments: 21'-6" = 22' each (with 3.5' wings each corner) / Bents 1 & 4.							
227	Reinforced Concrete Pile	EA	6	6	0	0	0
(227) Piling: 3 per bent / Bents 2 & 3.							
234	Reinforced Concrete Pier Cap	LF	44	39	5	0	0
1080	Delamination/Spall/Patched Area	LF	5	0	5	0	0
(234) Caps: 21'-6" = 22' each / Bents 2 & 3. Bent 3: Several 1' x 1' spalls in various locations.							
301	Pourable Joint Seal	LF	38	0	38	0	0
2350	Debris Impaction	LF	38	0	38	0	0
(301) Pourable joint seals at bents 2-3. 19' each Joints have debris impaction.							



Elevation.



Span 3 unit 6 has delam in right leg near bent 4.



Bent 3 cap ahead has contact spalls.



Bent 3 joint seal has debris impaction.



Bent 1 abutment.



Under view.



Bent 2 piles.



Deck over view.



12/18/2023

Approach.



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Location: 1.6 Mi N CR 686-Reydell

Team Lead: Sharon Hooks Inspection Date: 12/18/2023

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	
A-63 - Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed

A-56 - Joint Cleaning/Flushing Needed



Asset #04447(Routine)

Wrape Road-CR 83 over Little Bayou Meto

Location: 1.6 Mi N CR 686-Reyde

Team Lead: Sharon Hooks Inspection Date: 12/18/2023

A-57 - Beam End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Beam Painting Needed

A-61 - Polymer Overlay Advised

A-62 - Hydro and LMC Advised

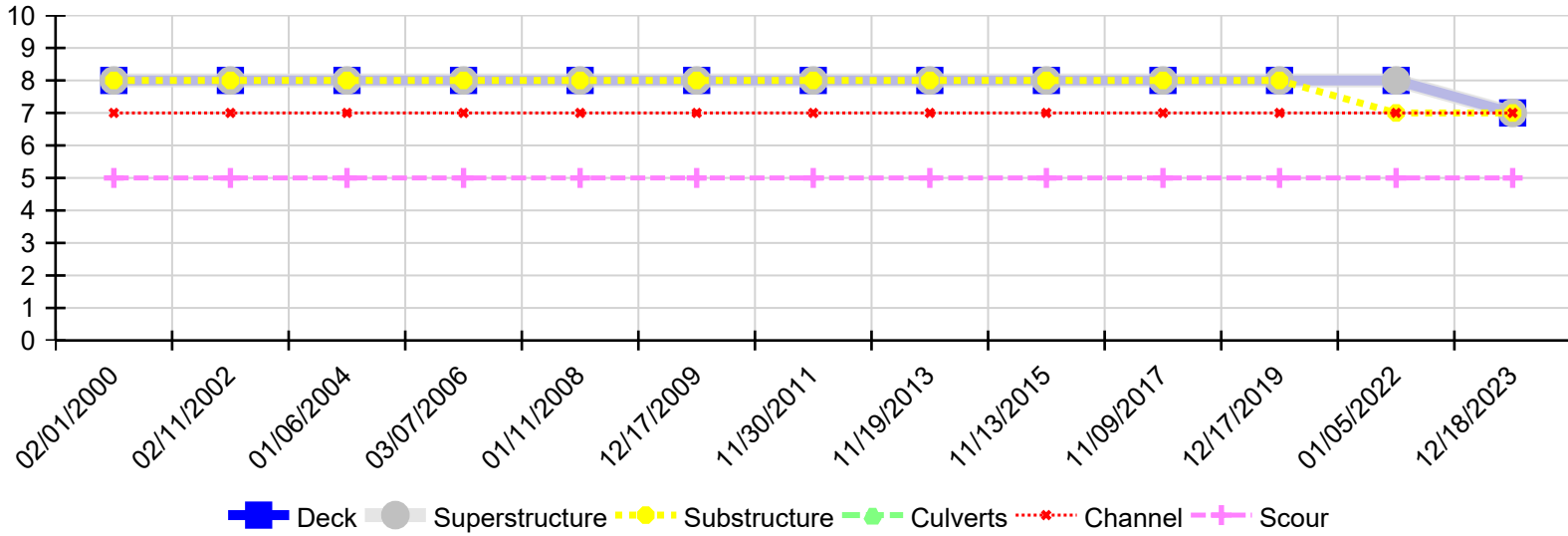
A-63 - Missing/Incorrect Log Mile Signage

A-64 - Vegetation Removal Requested



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Wrape Road-CR 83 over Little Bayou Meto
Location: 1.6 Mi N CR 686-Reydell
Team Lead: Sharon Hooks Inspection Date: 12/18/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
12/18/2023	7	7	7	N	7	5
01/05/2022	8	8	7	N	7	5
12/17/2019	8	8	8	N	7	5
11/09/2017	8	8	8	N	7	5
11/13/2015	8	8	8	N	7	5
11/19/2013	8	8	8	N	7	5
11/30/2011	8	8	8	N	7	5
12/17/2009	8	8	8	N	7	5
01/11/2008	8	8	8	N	7	5
03/07/2006	8	8	8	N	7	5
01/06/2004	8	8	8	N	7	5
02/11/2002	8	8	8	N	7	5
02/01/2000	8	8	8	N	7	5