



Latitude:33.55500, Longitude:-93.14584

Route:278 Section:07 Log:22.14

Arnold Road ID:50x278x7xA, Arnold Log mile:21.257

District 03, 99 - Nevada County

Owner: 1 - State Highway Agency

Bridge Posting Information

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

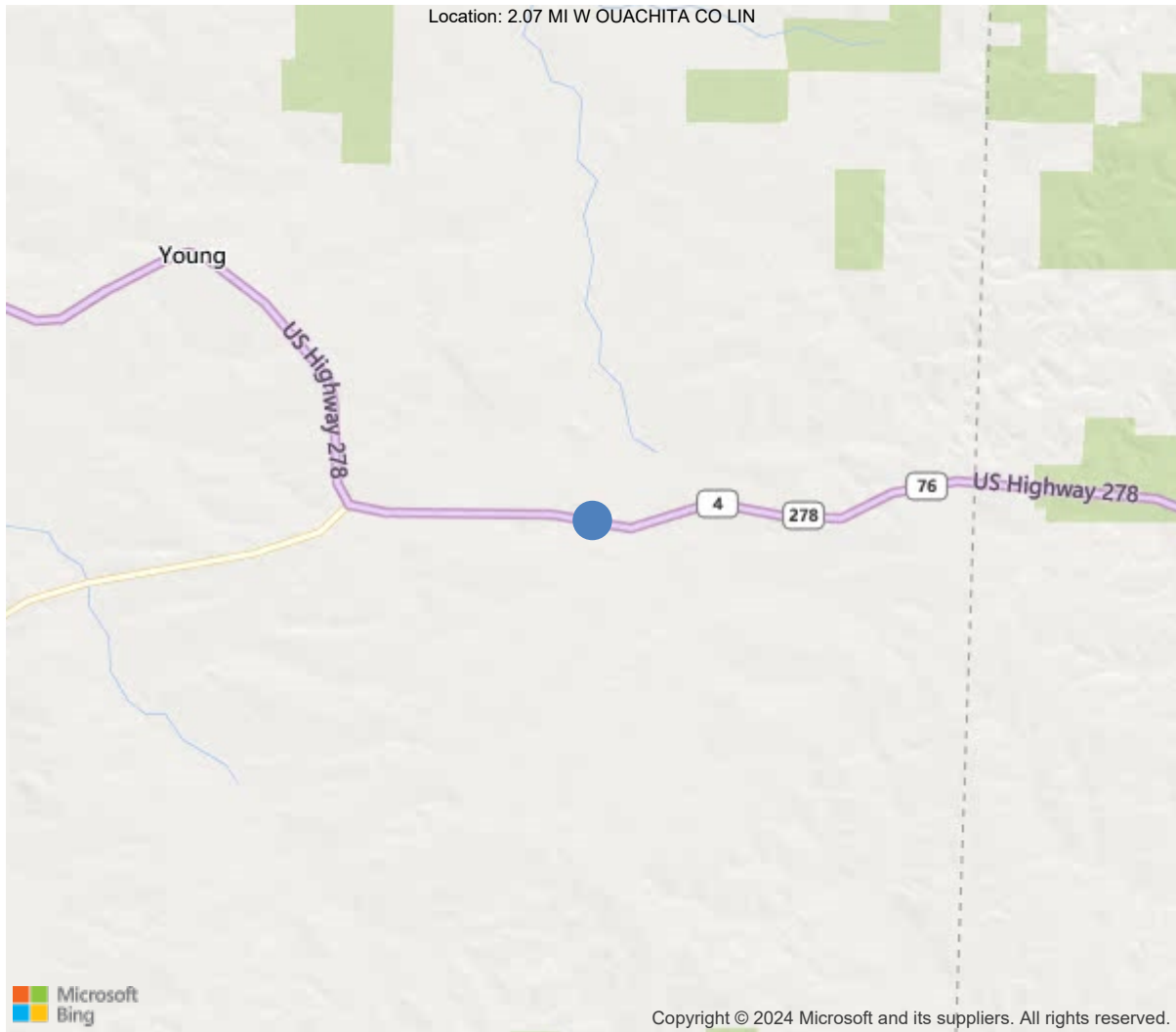
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	31		
Code 9 (31 Tons)	39		
Code 5 (40 Tons)	54		

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



33.55500, -93.14584



Asset #M0083(Routine)

US 278 -07 - 22.14 over CREEK

Location: 2.07 MI W OUACHITA CO LIN

Team Lead: Jared Kegley, Inspection Date: 06/13/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	M0083
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	99 - Nevada County
(4) Place Code	0
(6) Features Intersected	CREEK
(7) Facility Carried	US 278 -07 - 22.14
(9) Location	2.07 MI W OUACHITA CO LIN
(11) Mile Point	22.14 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.555
(17) Longitude	-93.145836
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	119
Material	1 - Concrete
Type	19 - Culvert
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	2
(46) No. of Approach Spans	0
(107) Deck Structure Type	N - Not applicable
(108) Wearing Surface/Protective System	
Type of Wearing Surface	N - Not applicable (applies only to stru
Type of Membrane	N - Not applicable (applies only to stru
Type of Deck Protection	N - Not applicable (applies only to stru
AGE AND SERVICE	
(27) Year Built	1937
(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	1100
(30) Year of ADT	2018
(109) Truck ADT	22 %
(19) Bypass, Detour Length	37 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	10 ft
(49) Structure Length	21 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	0 ft
(52) Deck Width Out to Out	0 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 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	1 - Navigation protection not
(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
(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	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	6
(62) Culverts	7
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	44
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	26
(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	N
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(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	8 - Bridge foundations determined t
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	0
(114) Future ADT	991
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	06/13/2022		
(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 #M0083(Routine)

District: 03, County: 99 - Nevada County

Team Lead: Jared Kegley, Inspection Date: 06/13/2022

General Observation

6/11/2018...AL, SS, REPAIR PHOTOS TAKEN. EROSION AT END OF WINGWALL HAS BEEN REPAIRED...06/02/2020 ALIGNMENT AND ELEVATION PHOTOS TAKEN....6/13/2022... Alignment and Elevation photos taken this inspection...

62 - Culverts (7 - Shrinkage cracks, light scaling and insignificant spalling which does not expose reinforcing steel. Insignificant damage caused by drift with no misalignment and not requiring corrective action. Some minor scouring has occurred near curtain walls, wingwalls or pipes. Metal culverts have a smooth symmetrical curvature with superficial corrosion and no pitting.)
box built on job # 3254....JOINT LINES IN CONCRETE BOX, EFFLORESCENCE LEAKING THROUGH ..6/2022... Areas of abrasion and spalling in walls in various locations...

A-46 - Asset Files

-

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	100	71	29	0	0
1080	Delamination/Spall/Patched Area	LF	4	0	4	0	0
1120	Efflorescence/Rust Staining	LF	10	0	10	0	0
1190	Abrasion/Wear (PSC/RC)	LF	15	0	15	0	0
(241) Efflorescence at joint line box add on							
4 SQ FT OF SPALLS IN BARREL 1							
7 SQ FT OF HONEYCOMB AREAS BARREL 2 WHERE BOX WAS EXTENDED							



Asset #M0083(Routine)

US 278 -07 - 22.14 over CREEK

Location: 2.07 MI W OUACHITA CO LIN

Team Lead: Jared Kegley, Inspection Date: 06/13/2022

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	100	71	29	0	0
1080	Delamination/Spall/Patched Area	LF	4	0	4	0	0
1120	Efflorescence/Rust Staining	LF	10	0	10	0	0
1190	Abrasion/Wear (PSC/RC)	LF	15	0	15	0	0
(241) Efflorescence at joint line box add on 4 SQ FT OF SPALLS IN BARREL 1 7 SQ FT OF HONEYCOMB AREAS BARREL 2 WHERE BOX WAS EXTENDED							

62 - Culverts (7 - Shrinkage cracks, light scaling and insignificant spalling which does not expose reinforcing steel. Insignificant damage caused by drift with no misalignment and not requiring corrective action. Some minor scouring has occurred near curtain walls, wingwalls or pipes. Metal culverts have a smooth symmetrical curvature with superficial corrosion and no pitting.)

Comment: box built on job # 3254.....JOINT LINES IN CONCRETE BOX, EFFLORESCENCE LEAKING THROUGH ..6/2022... Areas of abrasion and spalling in walls in various locations...



6/2022... Elevation



6/2022... Alignment



Maintenance Needs

Date Reported: 06/14/2022

Priority: D- Routine

Type of Work: (Inactive) (Inactive) 1 - Clean

Status: Open

Component: Culverts

Deficiency Description

Beaver dam in barrel 1

Remarks





Asset #M0083(Routine)

US 278 -07 - 22.14 over CREEK

Location: 2.07 MI W OUACHITA CO LIN

Team Lead: Jared Kegley, Inspection Date: 06/13/2022

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 #M0083(Routine)

US 278 -07 - 22.14 over CREEK

Location: 2.07 MI W OUACHITA CO LIN

Team Lead: Jared Kegley, Inspection Date: 06/13/2022

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



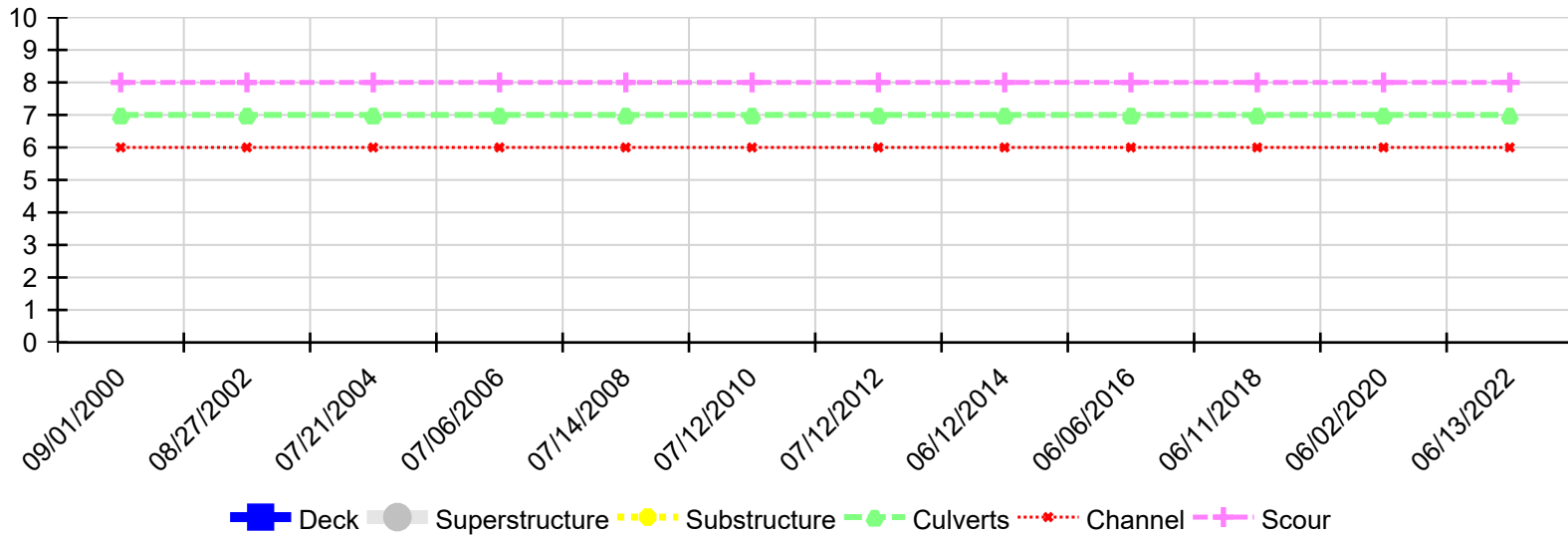
Asset #M0083(Routine)

US 278 -07 - 22.14 over CREEK

Location: 2.07 MI W OUACHITA CO LIN

Team Lead: Jared Kegley, Inspection Date: 06/13/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/13/2022	N	N	N	7	6	8
06/02/2020	N	N	N	7	6	8
06/11/2018	N	N	N	7	6	8
06/06/2016	N	N	N	7	6	8
06/12/2014	N	N	N	7	6	8
07/12/2012	N	N	N	7	6	8
07/12/2010	N	N	N	7	6	8
07/14/2008	N	N	N	7	6	8
07/06/2006	N	N	N	7	6	8
07/21/2004	N	N	N	7	6	8
08/27/2002	N	N	N	7	6	8
09/01/2000	N	N	N	7	6	8