



Bridge #06893(Under Record Clearance)
I-40 Log 199.12 over White Rvr Rlf & Park Rd
Location: .30 MI W OF WHITE RIVER
Team Lead: Bryan Saunders **Inspection Date:** July 12, 2022



Latitude:34.83721, Longitude:-91.46711

Route:40 Section:42 Log:199.15

Arnold Road ID:59x40x42xA, Arnold Log mile:199.073

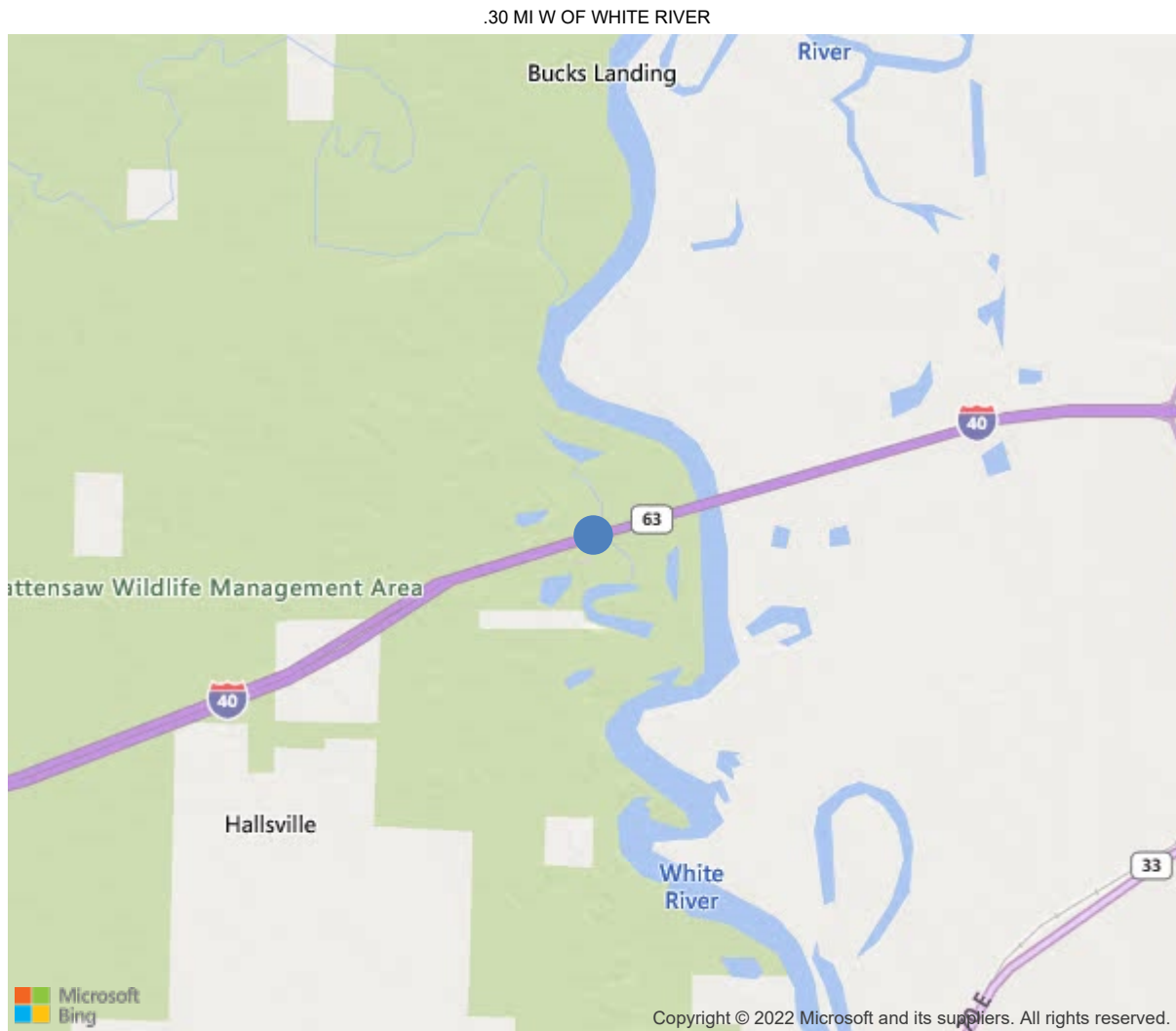
District 06, Prairie County

Owner: 1-State Highway Agency



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Inspection Direction : W to E



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06893
(5) Inventory Route	40
(2) Highway Agency District	06
(3) County Code	117-Prairie County, Arkansas
(4) Place Code	0
(6) Features Intersected	White Rvr Rlf & Park Rd
(7) Facility Carried	I-40 Log 199.12
(9) Location	.30 MI W OF WHITE RIVER
(11) Mile Point	199.15 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.83721
(17) Longitude	-91.46711
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4-Steel continuous
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	5
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2013
(106) Year Reconstructed	0
(42) Type of Service	16
On	1-Highway
Under	6-Highway-waterway
(28) Lane	
On	4
Under	2
(29) Average Daily Traffic	36000
(30) Year of ADT	2018
(109) Truck ADT	56 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	64 ft
(49) Structure Length	252 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	54.1 ft
(52) Deck Width Out to Out	79.2 ft
(32) Approach Roadway Width (W/Shoulders)	54.1 ft
(33) Bridge Median	3-Closed median with no
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	37.1 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	14.25 ft
Ref:	
(55) Min Lat Underclear RT	0.5 ft
Ref:	
(56) Min Lat Underclear LT	12.9 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	1
(26) Functional Class	1-Rural Principal Arterial - Int
(100) Defense Highway	1-The inventory route is on a In
(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	1-The inventory route is part of the
(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	4-Historical significance is not dete
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	8
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	6-MS 18+Mod / HS 20+Mod
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3-Load and Resistance Factor(LRFR)
Rating	60
(65) Inventory Rating Method	3-Load and Resistance Factor(LRF
(66) Inventory Rating	
Type	5
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	7
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	3
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(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	61400
(115) Year of Future ADT	2012

INSPECTIONS *			
(90) Inspection Date			07/2021
(91) Frequency			24 Months
(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.			



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	20122	17023	1911	1188	0
1080	Delamination/Spall/Patched Area	SF	2	0	2	0	0
1120	Efflorescence/Rust Staining	SF	159	0	159	0	0
1130	Cracking (RC and Other)	SF	2938	0	1750	1188	0
(12)	Unsealed longitudinal and transverse cracks in all spans. 0.030 inch avg. width.						
107	Steel Open Girder/Beam	LF	2772	2755	17	0	0
1020	Connection	LF	1	0	1	0	0
7000	Damage	LF	16	0	16	0	0
515	Steel Protective Coating	SF	20430	0	20430	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	20430	0	20430	0	0
(107)	Span 2, beams 1,2,3,4,5,7,8,9 11 have been damaged by an over sized vehicle Span 5 beam 4 right side first diaphragm, 6 bolts loose, 2 missing						
205	Reinforced Concrete Column	EA	8	8	0	0	0
215	Reinforced Concrete Abutment	LF	156	132	24	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1120	Efflorescence/Rust Staining	LF	23	0	23	0	0
(215)	Bent 1 scattered cracks with efflorescence in backwall. Small spall in top of backwall. Bent 2 scattered cracks with efflorescence in backwall.						
227	Reinforced Concrete Pile	EA	22	22	0	0	0
234	Reinforced Concrete Pier Cap	LF	312	311	1	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
(234)	Small spall on the backside of bent 2						
300	Strip Seal Expansion Joint	LF	317	293	24	0	0
2350	Debris Impaction	LF	24	0	24	0	0
310	Elastomeric Bearing	EA	66	66	0	0	0
321	Reinforced Concrete Approach Slab	SF	3504	3093	282	129	0
1080	Delamination/Spall/Patched Area	SF	2	0	2	0	0

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1130 (321)	Cracking (RC and Other)	SF	409	0	280	129	0
There are transverse cracks in the approach slabs. East approach slab has some small spalls.							
331	Reinforced Concrete Bridge Railing	LF	756	692	64	0	0
1130 (331)	Cracking (RC and Other)	LF	64	0	64	0	0
Scattered cracks in bridge rails							



Under record looking north



Under record looking south

Maintenance Needs

Date Reported: 07/17/2017

Priority: D- Routine

Type of Work: None

Status: Monitor

Inspection Direction W to E

Component:

Deficiency Description

Span 5 beam 4 right side first diaphragm, 6 bolts loose. 2 missing

Remarks



Span 5 beam 4 right side first diaphragm, bolts loose.



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Date Reported: 07/15/2021
Priority: C - Important
Type of Work: Clean
Status: Forward State
Inspection Direction W to E
Component:

Deficiency Description

East end of bridge has vines and trees growing against bridge.

Remarks



Trees growing against bridge



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Date Reported: 07/15/2021
Priority: D- Routine
Type of Work: Repair
Status: Forward State
Inspection Direction W to E
Component:

Deficiency Description

All spans have unsealed cracks in deck up to .025".
Span 4 east bound lane has small spall at bent 5.

Remarks



Span 4 at bent 5 small spall



Span 3 unsealed deck cracks up to 0.025"



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Inspection Comments

AHTD job 061187, 43656 for layout,
Form IIIB linked.
Logged eastbound

Accident Report 7/11/2018

Parsons project manager is Michael Hernandez P.E.(720)576-6802 Michael.hernandez@parsons.com

Linked repair sketch to asset