



Bridge #B6920(Routine)

I-30 WB Log 132.18 over US 70, U.P.R.R., Frnt Rd

Location: 2 MI NE JCT SH 338

Team Lead: Bryan Saunders Inspection Date: April 19, 2021



Latitude:34.67930, Longitude:-92.35447

Route:30 Section:23 Log:132.18

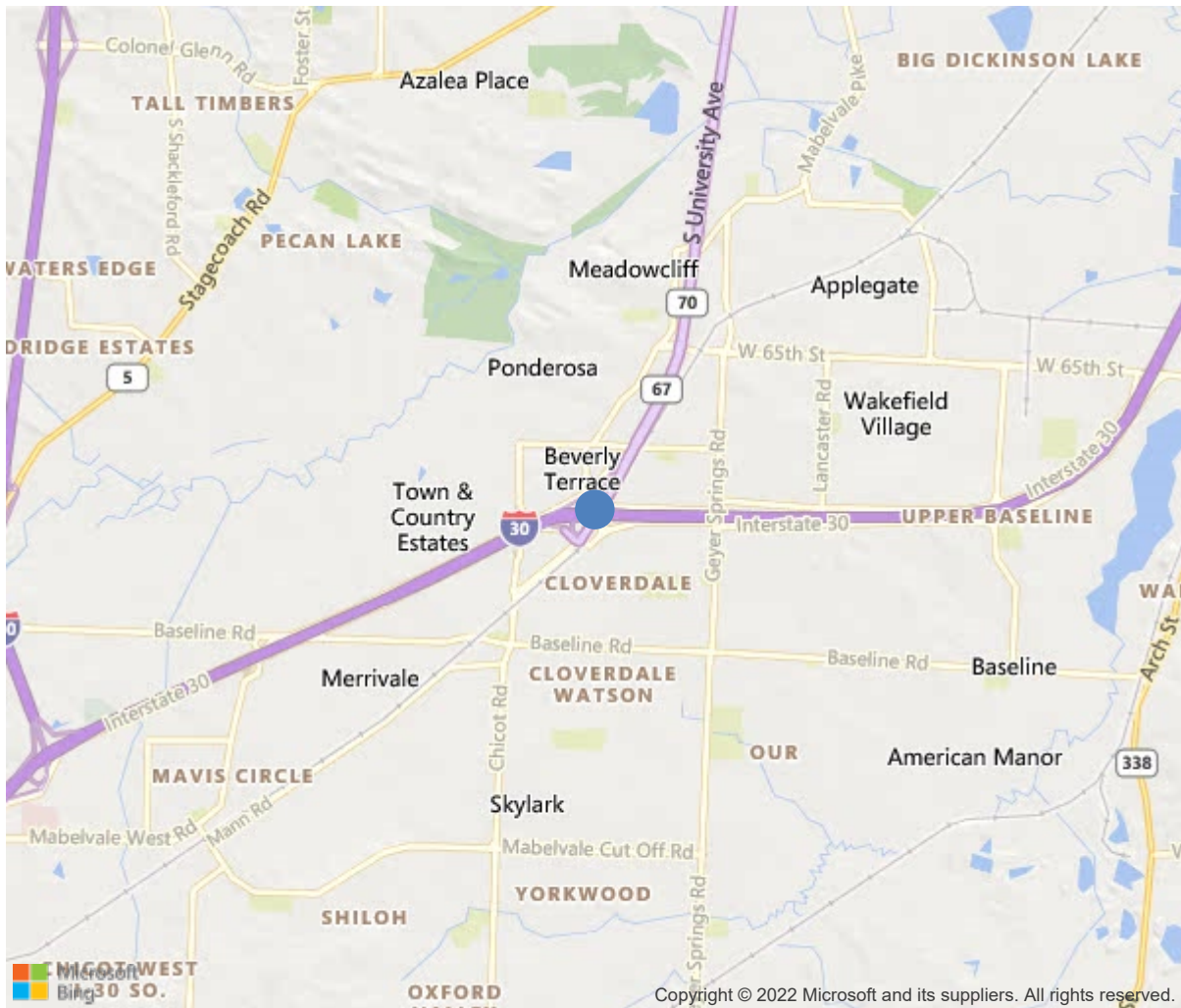
Arnold Road ID:60x30x23xB, Arnold Log mile:10.77

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 41000 - Little Rock

2 MI NE JCT SH 338



34.67930, -92.35447



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	B6920
(5) Inventory Route	30
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	41000
(6) Features Intersected	US 70, U.P.R.R., Frnt Rd
(7) Facility Carried	I-30 WB Log 132.18
(9) Location	2 MI NE JCT SH 338
(11) Mile Point	132.18 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030230
(16) Latitude	34.6793
(17) Longitude	-92.35447
(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	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	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2004
(106) Year Reconstructed	0
(42) Type of Service	14
On	1-Highway
Under	4-Highway-railroad
(28) Lane	
On	3
Under	7
(29) Average Daily Traffic	39500
(30) Year of ADT	2018
(109) Truck ADT	26 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	165 ft
(49) Structure Length	403.5 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	56 ft
(52) Deck Width Out to Out	59.1 ft
(32) Approach Roadway Width (W/Shoulders)	56.1 ft
(33) Bridge Median	0-No median
(34) Skew	23 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	57.1 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	20.42 ft
Ref:	
(55) Min Lat Underclear RT	22 ft
Ref:	
(56) Min Lat Underclear LT	7 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(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	11-Urban Principal Arterial - Int
(100) Defense Highway	1-The inventory route is on a In
(101) Parallel Structure	R-The right structure of paralle
(102) Direction of Traffic	1 - 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	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	6-MS 18+Mod / HS 20+Mod
(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	3
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	8
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	6
(71) Waterway Adequacy	N
(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	N-Bridge not over waterway.
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	49254
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			04/2021
(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.			

Team Lead: Bryan Saunders, **Inspection Date:** April 19, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	23692	18609	3378	1705	0
1080	Delamination/Spall/Patched Area	SF	47	0	42	5	0
1120	Efflorescence/Rust Staining	SF	186	0	186	0	0
1130	Cracking (RC and Other)	SF	4850	0	3150	1700	0
(12)							
Spalls at bent 3 that have been filled with asphalt or epoxy. Patches where plowable markers have been removed in all spans. Most cracks have been sealed in the right and center lanes.							
107	Steel Open Girder/Beam	LF	2406	2406	0	0	0
515	Steel Protective Coating	SF	40526	38106	2420	0	0
3410	Chalking (Steel Protective Coatings)	SF	2420	0	2420	0	0
(107-515)							
Girder 5, outside web and bottom flange are chalking.							
205	Reinforced Concrete Column	EA	6	6	0	0	0
215	Reinforced Concrete Abutment	LF	202	191	11	0	0
1130	Cracking (RC and Other)	LF	11	0	11	0	0
(215)							
Small cracks in both abutments.							
234	Reinforced Concrete Pier Cap	LF	123	123	0	0	0
300	Strip Seal Expansion Joint	LF	132	86	46	0	0
2350	Debris Impaction	LF	46	0	46	0	0
(300)							
Both joint seals are full of debris.							
310	Elastomeric Bearing	EA	24	24	0	0	0
321	Reinforced Concrete Approach Slab	SF	3840	3726	93	21	0
1080	Delamination/Spall/Patched Area	SF	4	0	4	0	0
1130	Cracking (RC and Other)	SF	110	0	89	21	0
(321)							
Both approach slabs have cracks and patches.							
331	Reinforced Concrete Bridge Railing	LF	802	525	277	0	0
1130	Cracking (RC and Other)	LF	277	0	277	0	0
(331)							

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
	Cracks in both rails with efflorescence staining.						



Approach



Typical deck



Span 3 soffit view



Span 3, large cracks and patches.



Bent 4 approach slab, large crack.



Bent 4 joint impacted by debris.



Bent 3, asphalt patches are failing.



Span 2, large transverse cracks.



Bent 1 joint impacted by debris.

Maintenance Needs

Date Reported: 04/18/2011
Priority: C - Important
Type of Work: Repair
Status: Monitor
Component: Deck

Deficiency Description

Deck has small spalls over bent 3.

Added 4/5/2017 CDDC497

Bent 3: Spalls have been filled with asphalt and epoxy patches which are beginning to fail.

Remarks



Span 3, spalls patched with epoxy & asphalt.



Spalls filled with asphalt over Bt. 3.



Bent 3, asphalt patches are failing.

Date Reported: 04/14/2015
Priority: C - Important
Type of Work: Clean
Status: Repair Documented
Component: Substructure

Deficiency Description

Trash and bedding from transient under bridge. Photo

Remarks

Assigned Pulaski 2 06602 9-23-15

The trash and bedding has been removed as of April 19, 2021.



Trash and bedding from transient under bridge.



Bent 4 transient living under bridge.



Bent 1, trash and bedding has been removed.



Bent 4, most trash and bedding has been removed.

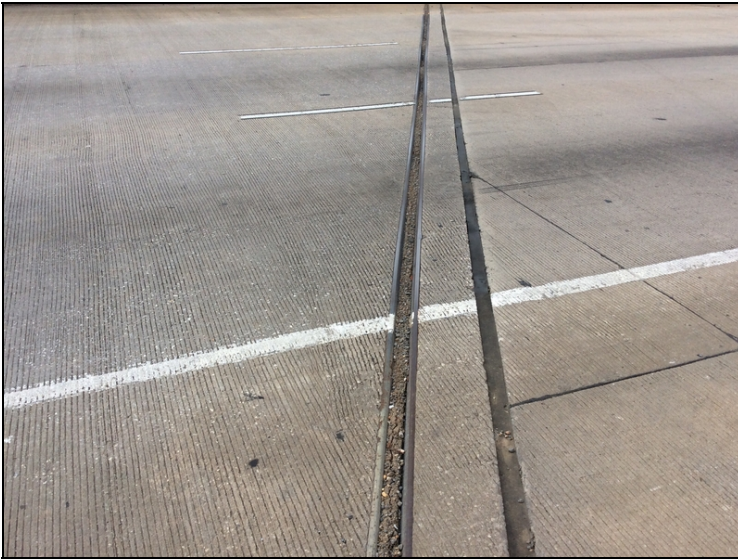
Date Reported: 04/05/2017
Priority: D- Routine
Type of Work: Clean
Status: Open
Component: 300 - Strip Seal Expansion Joint

Deficiency Description

Bent 1 & 4: Both joints are full of debris that is beginning to restrict movement.
April 19, 2021: The joints are full of debris on the shoulders at bents 1 and 4.

Remarks

Assigned Pulaski 2 06602 12/18/18



Bt. 1, joint full of debris.



Bent 4 joint impacted by debris.



Bent 1 joint impacted by debris.



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Inspection Comments

See AHTD drawing #44757 for layout. logged looking east