



Bridge #A6920(Routine)
I-30 EB Log 132.19 over US 70, U.P.R.R.,Fr.Rd.

Location: 2 M NE Jct SH338

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



Latitude:34.67891, Longitude:-92.35475

Route:30 Section:23 Log:132.19

Arnold Road ID:60x30x23xA, Arnold Log mile:132.139

District 06, Pulaski County

Owner: 1-State Highway Agency

Place Code: 41000 - Little Rock

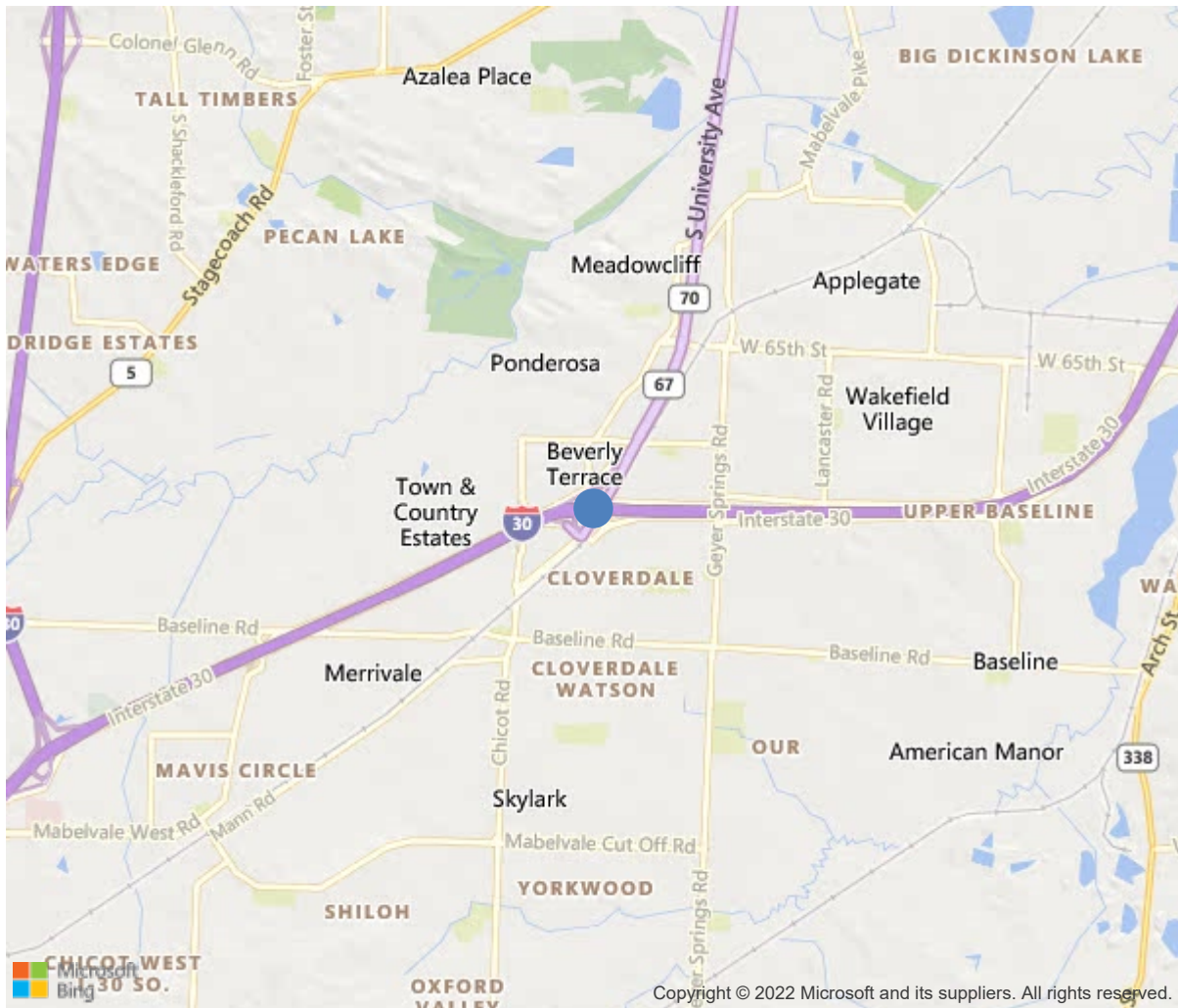


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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	A6920
(5) Inventory Route	30
(2) Highway Agency District	06
(3) County Code	119-Pulaski County, Arkansas
(4) Place Code	41000
(6) Features Intersected	US 70, U.P.R.R.,Fr.Rd.
(7) Facility Carried	I-30 EB Log 132.19
(9) Location	2 M NE Jct SH338
(11) Mile Point	132.19 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030230
(16) Latitude	34.67891
(17) Longitude	-92.35475
(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	4
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	172 ft
(49) Structure Length	411 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	64 ft
(52) Deck Width Out to Out	67 ft
(32) Approach Roadway Width (W/Shoulders)	45.9 ft
(33) Bridge Median	0-No median
(34) Skew	31 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	65 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	17.83 ft
Ref:	
(55) Min Lat Underclear RT	10 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	L-The left structure of parallel
(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	5
(69) Clearances, Vertical/Horizontal	4
(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.			

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

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	27571	24636	1735	1200	0
1080	Delamination/Spall/Patched Area	SF	15	0	15	0	0
1120	Efflorescence/Rust Staining	SF	168	0	168	0	0
1130	Cracking (RC and Other)	SF	2752	0	1552	1200	0
(12)							
Deck has unsealed transverse and longitudinal cracks up to 0.050". Patches in all spans where plowable markers have been removed.							
107	Steel Open Girder/Beam	LF	2877	2877	0	0	0
515	Steel Protective Coating	SF	42825	37723	5102	0	0
3420	Peeling/Bubbling/Cracking	SF	2	0	2	0	0
3410	Chalking (Steel Protective Coatings)	SF	5100	0	5100	0	0
(107-515)							
Outside Girders are chalking							
205	Reinforced Concrete Column	EA	6	6	0	0	0
215	Reinforced Concrete Abutment	LF	226	218	8	0	0
1120	Efflorescence/Rust Staining	LF	4	0	4	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(215)							
Small cracks in both abutments. Bt. 4, small cracks with efflorescence.							
234	Reinforced Concrete Pier Cap	LF	148	146	2	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
(234)							
Small cracks at bent 3							
300	Strip Seal Expansion Joint	LF	157	102	55	0	0
2350	Debris Impaction	LF	55	0	55	0	0
310	Elastomeric Bearing	EA	28	28	0	0	0
321	Reinforced Concrete Approach Slab	SF	3504	3116	388	0	0
1080	Delamination/Spall/Patched Area	SF	6	0	6	0	0
1130	Cracking (RC and Other)	SF	382	0	382	0	0
(321)							

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Cracks in both approach slabs. Patches where plowable markers have been removed.							
331	Reinforced Concrete Bridge Railing	LF	822	575	247	0	0
1120	Efflorescence/Rust Staining	LF	97	0	97	0	0
1130	Cracking (RC and Other)	LF	150	0	150	0	0
(331)							
Cracks with efflorescence staining in both rails.							



Approach



Typical deck



Soffit view



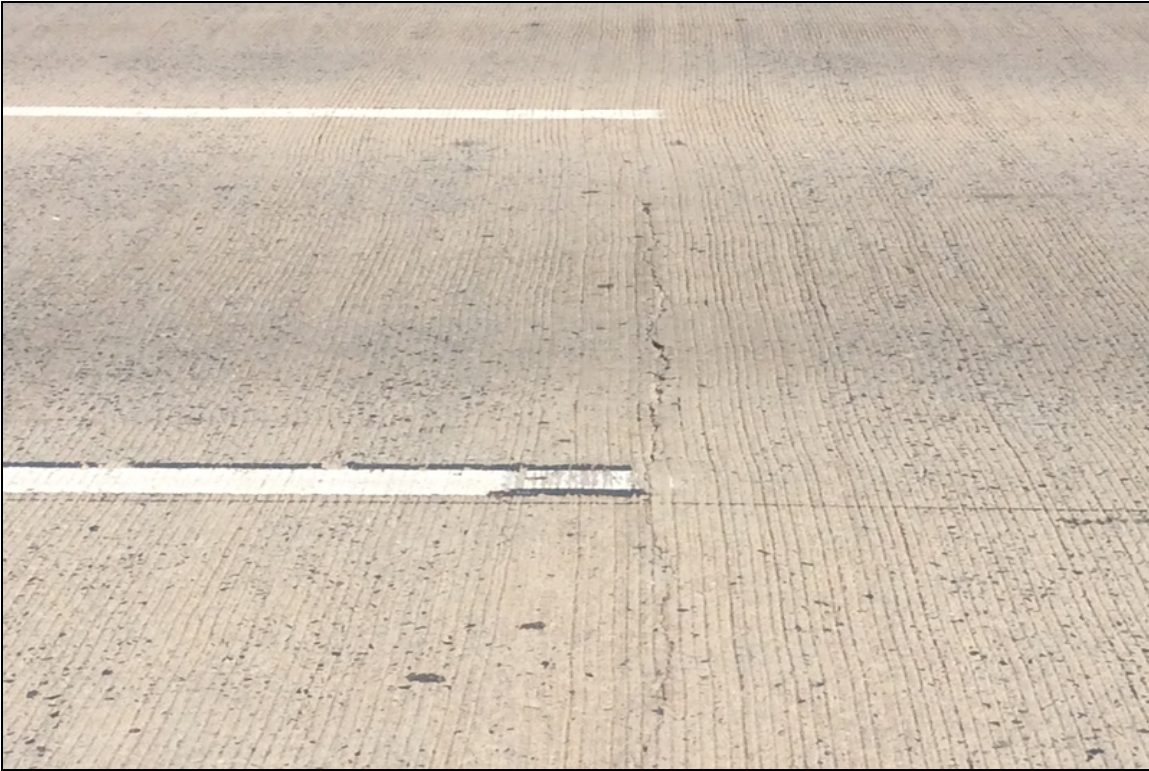
Span 3, large crack.



Bent 4, debris impacting the joint.



Span 3, patches.



Span 2, large transverse cracks.



Span 1, large transverse cracks.



Bent 1, debris impacting the joint.

Maintenance Needs

Date Reported: 04/18/2011
Priority: C - Important
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Deck has unsealed transverse and longitudinal cracks up to 0.030 inch.

Remarks



Deck crack up to 0.030".



Span 2, large transverse cracks.



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Span 1, large transverse cracks.

Date Reported: 04/19/2021
Priority: D- Routine
Type of Work: Clean
Status: Open
Component: 300 - Strip Seal Expansion Joint

Deficiency Description

Joints are impacted by debris on the shoulders at bents 1 and 4.

Remarks



Bent 4, debris impacting the joint.



Bent 1, debris impacting the joint.



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Inspection Comments

See AHTD drawing #44730 for layout. Logged looking East