



Latitude:34.46559, Longitude:-93.02125

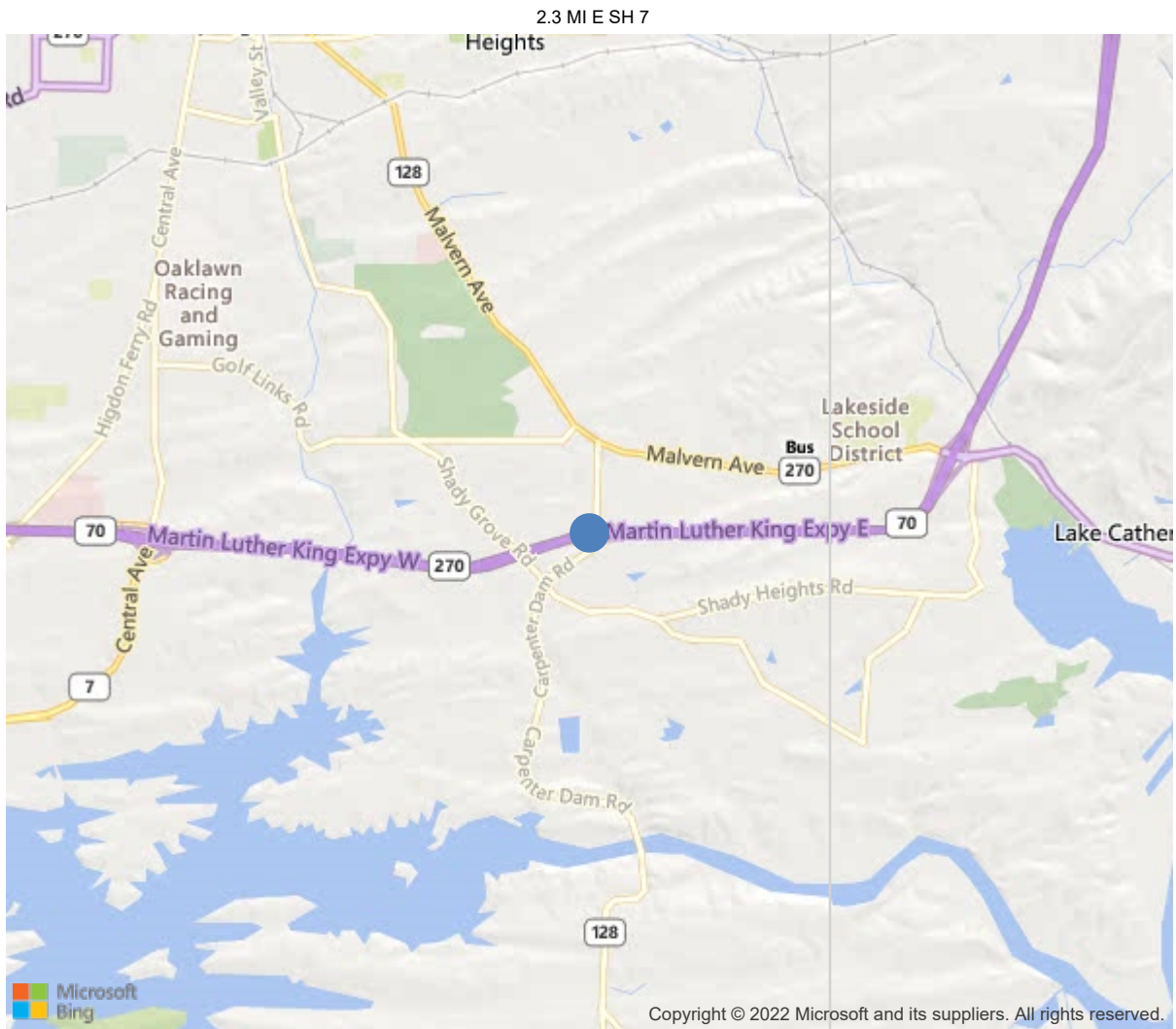
Route:270 Section:06 Log:2.259

Arnold Road ID:26x270x6xA, Arnold Log mile:2.239

District 06, Garland County

Owner: 1-State Highway Agency

Place Code: 33400 - Hot Springs



34.46559, -93.02125

Inspection Direction : W to E



Bridge #B6493(Routine)

US 270, EB LNS over SH 128

Location: 2.3 MI E SH 7

Team Lead: Shane Byrd Inspection Date: July 08, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	B6493
(5) Inventory Route	270
(2) Highway Agency District	06
(3) County Code	51-Garland County, Arkansas
(4) Place Code	33400
(6) Features Intersected	SH 128
(7) Facility Carried	US 270, EB LNS
(9) Location	2.3 MI E SH 7
(11) Mile Point	2.259 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000270060
(16) Latitude	34.46559
(17) Longitude	-93.02125
(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	1993
(106) Year Reconstructed	0
(42) Type of Service	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	4
(29) Average Daily Traffic	39000
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	97 ft
(49) Structure Length	259 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	39.4 ft
(52) Deck Width Out to Out	42.5 ft
(32) Approach Roadway Width (W/Shoulders)	41 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40.4 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.92 ft
Ref:	
(55) Min Lat Underclear RT	29.8 ft
Ref:	
(56) Min Lat Underclear LT	18.1 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	12-Urban Principal Arterial - Oth
(100) Defense Highway	0-The inventory route is not a S
(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	0-The inventory route is not part of
(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	7
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5-MS 18 / HS 20
(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	7
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	8
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(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	
(114) Future ADT	22345
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			07/2020
(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: Shane Byrd, **Inspection Date:** July 08, 2020

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
331	Reinforced Concrete Bridge Railing	LF	514	507	7	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
(331)							
Scattered vertical cracks in both bridge rails. The right rail has a small spall.							



Span 2 right side soffit overhang overview.



Deck overview.



Approach Eastbound.



Debris has accumulated abutment 1 due to missing joint seal.



Spall in top of backwall at bent 1.



Bent 1 joint seal and road iron missing.



Bent 4 joint seal has lost bond.



Longitudinal crack in deck at span 3.



Deck has transverse cracks in span 2.

Maintenance Needs

Date Reported: 07/16/2014
Priority: D- Routine
Type of Work: N/A
Status: Monitor
Component:

Deficiency Description

Deck all spans unsealed cracks

Remarks



Date Reported: 07/16/2014
Priority: C - Important
Type of Work: N/A
Status: Monitor
Component:

Deficiency Description

Bent 1 joint seal has fallen out allowing dirt and debris to accumulate on abutment and bearings.
Photos attached.

Added 7/23/2018 - KRM & RLS - Bent 4 joint is leaking allowing debris to build up on the cap.

Remarks







Bent 1 compression joint and joint armor are missing.



Bent 4 joint is leaking letting debris buildup on cap.



Bridge #B6493(Routine)
US 270, EB LNS over SH 128
Location: 2.3 MI E SH 7

Team Lead: Shane Byrd **Inspection Date:** July 08, 2020

Inspection Comments

Job R60107, 33121 for layout.