



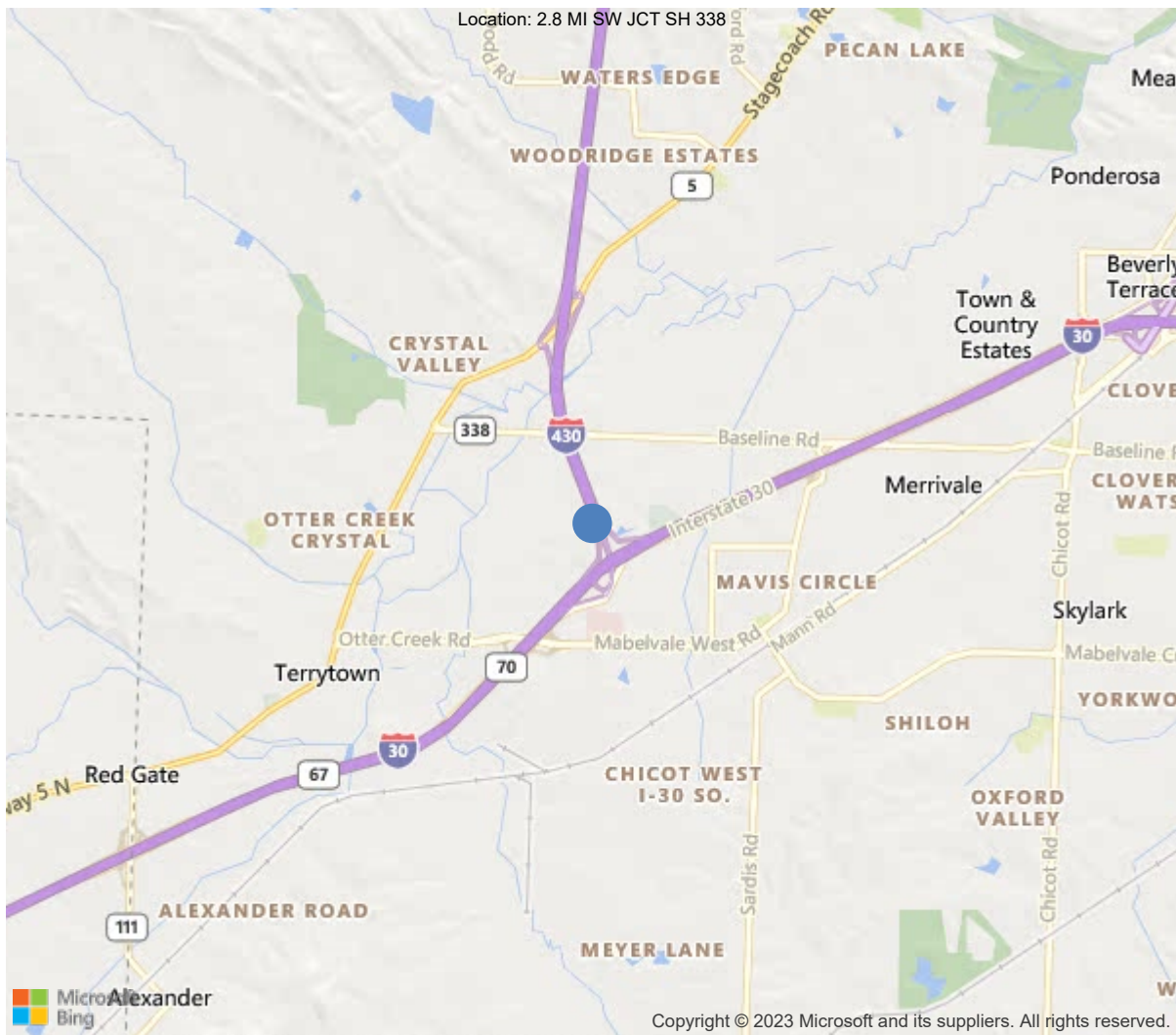
Latitude:34.66436, Longitude:-92.40407

Route:30 Section:23 Log:129.202

Arnold Road ID:60x30x415xA, Arnold Log mile:3.375

District 06, 119 - Pulaski County

Owner: 1 - State Highway Agency



34.66436, -92.40407



Asset #05504(Routine)

I-30 WB FRONTAGE over I-430 LOG 0.22

Location: 2.8 MI SW JCT SH 338

Team Lead: Bryan Saunders, Inspection Date: 07/26/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05504
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	119 - Pulaski County
(4) Place Code	41000
(6) Features Intersected	I-430 LOG 0.22
(7) Facility Carried	I-30 WB FRONTAGE
(9) Location	2.8 MI SW JCT SH 338
(11) Mile Point	129.202 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.66436
(17) Longitude	-92.40407
(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	4
(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 pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1974
(106) Year Reconstructed	0
(42) Type of Service	51
On	5 - Highway-pedestrian
Under	1 - Highway, with or without pedestrian
(28) Lane	
On	2
Under	6
(29) Average Daily Traffic	5985
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	87 ft
(49) Structure Length	272 ft
(50) Curb or Sidewalk Width	
Left	5 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	35.8 ft
(52) Deck Width Out to Out	43.5 ft
(32) Approach Roadway Width (W/Shoulders)	35.1 ft
(33) Bridge Median	0 - No median
(34) Skew	9 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	36.7 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.5 ft
Ref:	
(55) Min Lat Underclear RT	11.7 ft
Ref:	
(56) Min Lat Underclear LT	11.7 ft
NAVIGATION DATA	
(38) Navigation Control	N - Not applicable, no waterwa
(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	16 - Urban Minor Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(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 par
(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	7
(59) Superstructure	7
(60) Substructure	7
(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	
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	5
(71) Waterway Adequacy	N
(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	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	550
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	07/26/2021		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
<p>* 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.</p>			



Asset #05504(Routine)

District: 06, County: 119 - Pulaski County

Team Lead: Bryan Saunders, Inspection Date: 07/26/2021

General Observation

6/20/2018 Accident involving a Semi Tractor Trailer, Truck went through the approach guard rail, east end north side. approximately 51' of approach guard rail was damaged and 10' metal bridge rail. Incident Report number for accident 2018 -075328 Little Rock Police 501-918-3900. See AHTD drawing # 17935 for layout.Bents and spans numbered by the layout sheet with the log mile.Logged looking east opposite of approach.All steel superstructure has been repainted by contractor as per job #061505

A-46 - Asset Files

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Asset #05504(Routine)

I-30 WB FRONTAGE over I-430 LOG 0.22

Location: 2.8 MI SW JCT SH 338

Team Lead: Bryan Saunders, Inspection Date: 07/26/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	11383	9941	1145	297	0
1080	Delamination/Spall/Patched Area	SF	42	0	0	42	0
1090	Exposed Rebar	SF	5	0	0	5	0
1120	Efflorescence/Rust Staining	SF	170	0	170	0	0
1130	Cracking (RC and Other)	SF	1225	0	975	250	0
(12) Deck. All spans have small spalls and spalls filled with asphalt Some deck cracks have been sealed by state forces The soffit at mid span of spans 1 & 4 have small spall with rebar.							
107	Steel Open Girder/Beam	LF	1602	1600	0	2	0
7000	Damage	LF	2	0	0	2	0
515	Steel Protective Coating	SF	16020	16020	0	0	0
(107) Span 3 girder 6 has traffic impact to bottom flange. All steel superstructure has been repainted by contractor as per job #061505. (515-107) girders were painted in 2017							
205	Reinforced Concrete Column	EA	9	9	0	0	0
215	Reinforced Concrete Abutment	LF	93	80	13	0	0
1130	Cracking (RC and Other)	LF	13	0	13	0	0
234	Reinforced Concrete Pier Cap	LF	108	108	0	0	0
302	Compression Joint Seal	LF	82	0	0	0	82
2310	Leakage	LF	82	0	0	0	82
(302) The joint seal at bents 1 & 5 has fallen out..							
311	Movable Bearing	EA	24	24	0	0	0
(311) 2021 Bearings at bents 1&5 have active corrosion due to joint seal failure. See photo. Bearings have been repainted and are free of any active corrosion. 7/18/2017							
313	Fixed Bearing	EA	6	6	0	0	0
321	Reinforced Concrete Approach Slab	SF	3200	2853	347	0	0
1130	Cracking (RC and Other)	SF	347	0	347	0	0
330	Metal Bridge Railing	LF	540	540	0	0	0
331	Reinforced Concrete Bridge Railing	LF	540	540	0	0	0



Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	9	9	0	0	0
215	Reinforced Concrete Abutment	LF	93	80	13	0	0
1130	Cracking (RC and Other)	LF	13	0	13	0	0
234	Reinforced Concrete Pier Cap	LF	108	108	0	0	0



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Location: 2.8 MI SW JCT SH 338

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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Delamination right of beam 4, second splice plate in span 3



Elevation



Soffit view



Spalls with rebar in the soffit



Cracks in span 2



Deck view



Spalls and spalls filled with asphalt



Joint at bent 5



Approach looking west

Maintenance Needs

Date Reported: 07/31/2019
Priority: B - Pressing
Type of Work: Repair (General)
Status: Open
Component: Deck

Deficiency Description

Deck All spans have spalls, spalls with rebar and spalls filled with asphalt

Remarks



Span 4 spalls filled with asphalt



Span 2 spall with exposed rebar

Date Reported: 07/26/2011
Priority: C - Important
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

At bent 1 and at bent 5
Concrete bridge rail has settled due to void under footing.

Remarks



Bent 1 void under approach rail and sidewalk



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Team Lead: Bryan Saunders, **Inspection Date:** 07/26/2021

Date Reported: 07/26/2011
Priority: C - Important
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Span 3 girder 6 at mid span.
Girder has been hit by traffic .

Remarks



Span 3 beam 6 traffic damage



Span 3 girder 6 bottom flange is misaligned due to traffic impact.



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Team Lead: Bryan Saunders, **Inspection Date:** 07/26/2021

Date Reported: 07/26/2011

Priority: C - Important

Type of Work: (Inactive) (Inactive) 9 - None

Status: Monitor

Component:

Deficiency Description

Joint seal at bent 1 & 5 are missing

Remarks



Bent 5 joint seal missing





Bent 1 joint seal missing



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Location: 2.8 MI SW JCT SH 338

Team Lead: Bryan Saunders, **Inspection Date:** 07/26/2021

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	



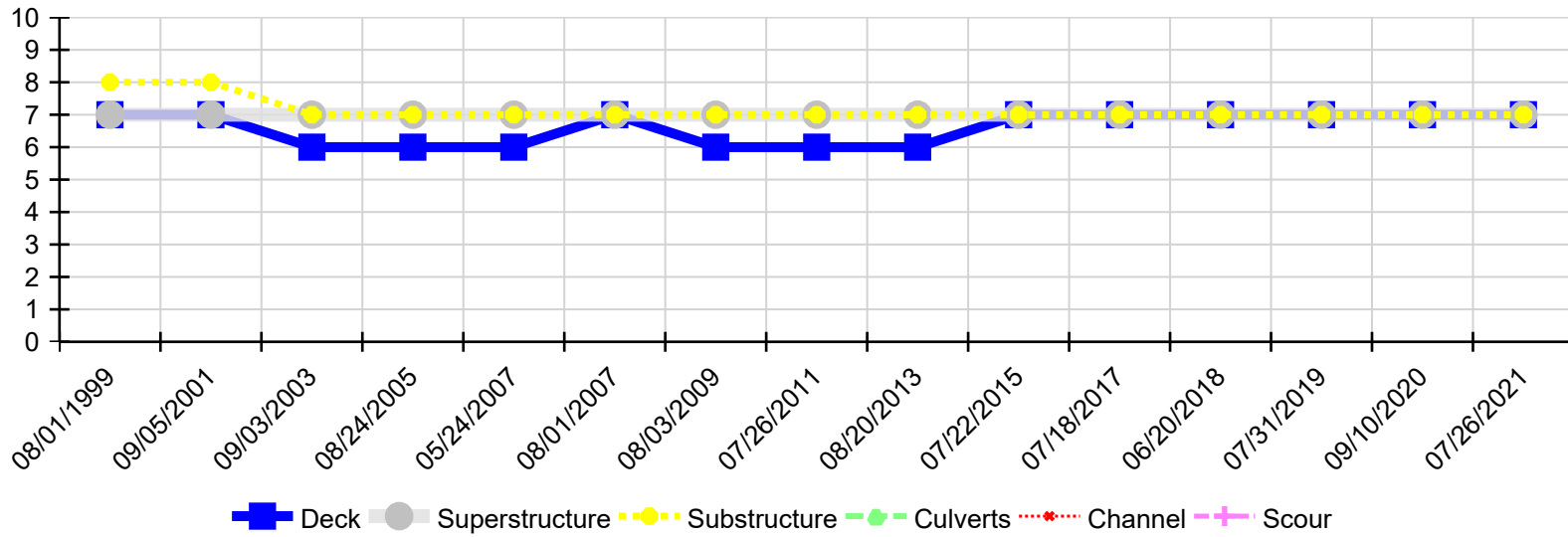
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Team Lead: Bryan Saunders, Inspection Date: 07/26/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
07/26/2021	7	7	7	N	N	N
09/10/2020	7	7	7	N	N	N
07/31/2019	7	7	7	N	N	N
06/20/2018	7	7	7	N	N	N
07/18/2017	7	7	7	N	N	N
07/22/2015	7	7	7	N	N	N
08/20/2013	6	7	7	N	N	N
07/26/2011	6	7	7	N	N	N
08/03/2009	6	7	7	N	N	N
08/01/2007	7	7	7	N	N	N
05/24/2007	6	7	7	N	N	N
08/24/2005	6	7	7	N	N	N
09/03/2003	6	7	7	N	N	N
09/05/2001	7	7	8	N	N	N
08/01/1999	7	7	8	N	N	N