



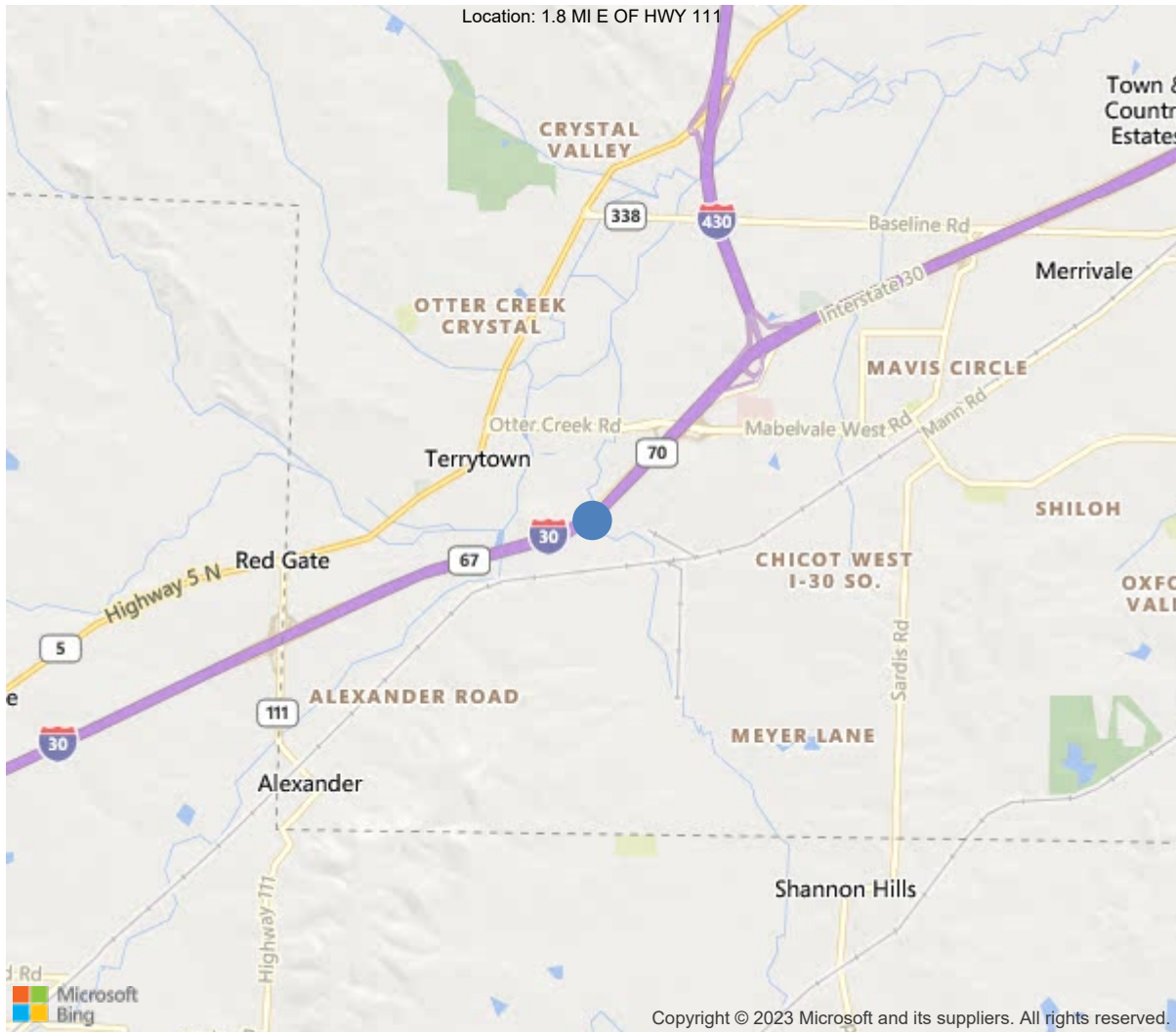
Latitude:34.64918, Longitude:-92.41718

Route:30 Section:23 Log:128.023

Arnold Road ID:60x30x414xA, Arnold Log mile:1.679

District 06, 119 - Pulaski County

Owner: 1 - State Highway Agency



34.64918, -92.41718



Asset #C6357(Routine)

I-30 EB FRONTAGE over OTTER CREEK

Location: 1.8 MI E OF HWY 111

Team Lead: Bryan Saunders, Inspection Date: 05/19/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	C6357
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	119 - Pulaski County
(4) Place Code	41000
(6) Features Intersected	OTTER CREEK
(7) Facility Carried	I-30 EB FRONTAGE
(9) Location	1.8 MI E OF HWY 111
(11) Mile Point	128.023 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000030230
(16) Latitude	34.64918
(17) Longitude	-92.41718
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3 - Steel
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 pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1995
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	3212
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	32 ft
(49) Structure Length	142 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	32.2 ft
(52) Deck Width Out to Out	35 ft
(32) Approach Roadway Width (W/Shoulders)	24 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	33.1 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(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	1
(26) Functional Class	11 - Urban Principal Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(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	8
(60) Substructure	7
(61) Channel & Channel Protection	7
(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	
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	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - Bridge foundations determined t
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	2750
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	05/19/2021		
(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 #C6357(Routine)

District: 06, County: 119 - Pulaski County

Team Lead: Bryan Saunders, Inspection Date: 05/19/2021

General Observation

Approach looking eastbound.

A-46 - Asset Files

-



Asset #C6357 (Routine)

I-30 EB FRONTAGE over OTTER CREEK

Location: 1.8 MI E OF HWY 111

Team Lead: Bryan Saunders, Inspection Date: 05/19/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4876	4587	289	0	0
1120	Efflorescence/Rust Staining	SF	51	0	51	0	0
1130	Cracking (RC and Other)	SF	238	0	238	0	0
(12) Unsealed cracks in all spans up to 0.025" Cracks with efflorescence in overhangs.							
107	Steel Open Girder/Beam	LF	700	700	0	0	0
515	Steel Protective Coating	SF	3969	3543	426	0	0
3410	Chalking (Steel Protective Coatings)	LF	426	0	426	0	0
(515-107) The outside beams are chalking.							
215	Reinforced Concrete Abutment	LF	108	73	35	0	0
1130	Cracking (RC and Other)	LF	35	0	35	0	0
(215) Bent 1 has map cracking the entire length. Bent 2 has some small cracks.							
225	Steel Pile	EA	20	20	0	0	0
515	Steel Protective Coating	SF	1550	1434	116	0	0
3440	Effectiveness (Steel Protective Coatings)	EA	116	0	116	0	0
(225) Dirt and silt sitting on top of the concrete encasement is causing the protective coating of the steel pile to lose its effectiveness. (515-225) The protective coating above the concrete encasement is beginning to lose effectiveness.							
234	Reinforced Concrete Pier Cap	LF	132	132	0	0	0
302	Compression Joint Seal	LF	70	43	3	24	0
2310	Leakage	LF	24	0	0	24	0
2330	Seal Damage	LF	3	0	3	0	0
(302) Joint leaking at bent 1. Seal damage at bent 6.							
311	Movable Bearing	EA	20	12	5	3	0
1000	Corrosion	EA	8	0	5	3	0
(311) Bearings at abutment 1 have corrosion. Bent 6 bearings 1-3 have corrosion.							
313	Fixed Bearing	EA	10	10	0	0	0
(313) Bent 6, bearings 1-3 have corrosion.							
331	Reinforced Concrete Bridge Railing	LF	280	280	0	0	0

Location: 1.8 MI E OF HWY 111

Team Lead: Bryan Saunders, **Inspection Date:** 05/19/2021

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	4876	4587	289	0	0
1120	Efflorescence/Rust Staining	SF	51	0	51	0	0
1130	Cracking (RC and Other)	SF	238	0	238	0	0
(12) Unsealed cracks in all spans up to 0.025" Cracks with efflorescence in overhangs.							



Asset #C6357(Routine)

I-30 EB FRONTAGE over OTTER CREEK

Location: 1.8 MI E OF HWY 111

Team Lead: Bryan Saunders, Inspection Date: 05/19/2021

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	108	73	35	0	0
1130	Cracking (RC and Other)	LF	35	0	35	0	0
(215) Bent 1 has map cracking the entire length. Bent 2 has some small cracks.							
225	Steel Pile	EA	20	20	0	0	0
515	Steel Protective Coating	SF	1550	1434	116	0	0
3440	Effectiveness (Steel Protective Coatings)	EA	116	0	116	0	0
(225) Dirt and silt sitting on top of the concrete encasement is causing the protective coating of the steel pile to lose its effectiveness. (515-225) The protective coating above the concrete encasement is beginning to lose effectiveness.							
234	Reinforced Concrete Pier Cap	LF	132	132	0	0	0



Asset #C6357(Routine)

I-30 EB FRONTAGE over OTTER CREEK

Location: 1.8 MI E OF HWY 111

Team Lead: Bryan Saunders, Inspection Date: 05/19/2021

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation



Approach



Deck overview



Typical soffit



Bent 6, joint seal is bulging and damaged.



Span 4, transverse crack.



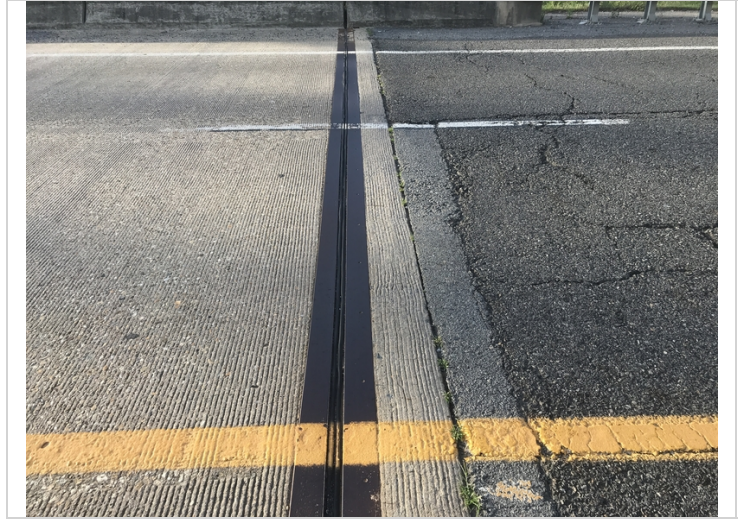
Span 2, transverse crack.



Bent 4 pile 1.



Bent 1 bearing 3



Bent 1



Span 3, transverse crack.

Maintenance Needs

Date Reported: 05/25/2011
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

West abutment
Joint seal has lost bond allowing dirt & moisture to accumulate on bearings.

Remarks



Bent 1 bearing 3

Date Reported: 05/25/2011
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Steel Pile at bents 2,3,4 & 5
Pile at top of encasement, dirt and silt causing rust to form.

Remarks



Bent 3



Bent 3 Pile at top of encasement, dirt and silt causing rust to form.

Date Reported: 05/30/2013
Priority: D- Routine
Type of Work: (Inactive) (Inactive) 9 - None
Status: Monitor
Component:

Deficiency Description

Large unsealed deck cracks up to 0.025"

Remarks



Span 4, transverse crack.



Span 5 crack up to 0.025"



Asset #C6357(Routine)

I-30 EB FRONTAGE over OTTER CREEK

Location: 1.8 MI E OF HWY 111

Team Lead: Bryan Saunders, Inspection Date: 05/19/2021

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	



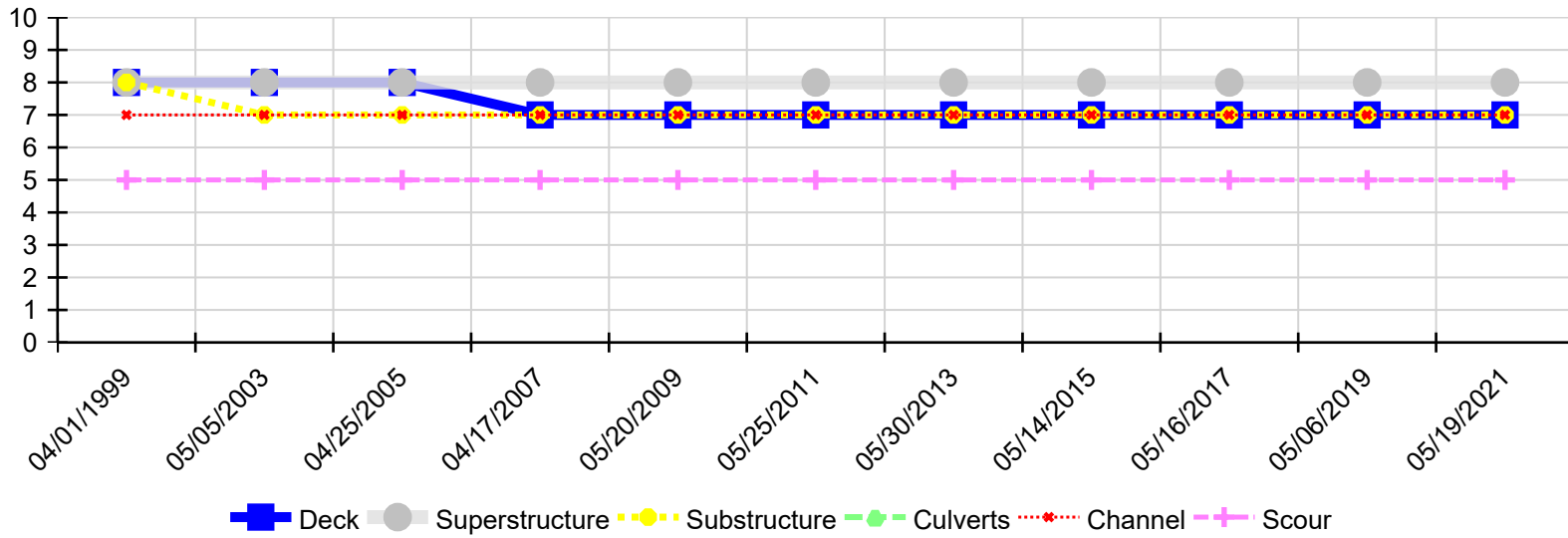
Asset #C6357 (Routine)

I-30 EB FRONTAGE over OTTER CREEK

Location: 1.8 MI E OF HWY 111

Team Lead: Bryan Saunders, Inspection Date: 05/19/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/19/2021	7	8	7	N	7	5
05/06/2019	7	8	7	N	7	5
05/16/2017	7	8	7	N	7	5
05/14/2015	7	8	7	N	7	5
05/30/2013	7	8	7	N	7	5
05/25/2011	7	8	7	N	7	5
05/20/2009	7	8	7	N	7	5
04/17/2007	7	8	7	N	7	5
04/25/2005	8	8	7	N	7	5
05/05/2003	8	8	7	N	7	5
04/01/1999	8	8	8	N	7	5