



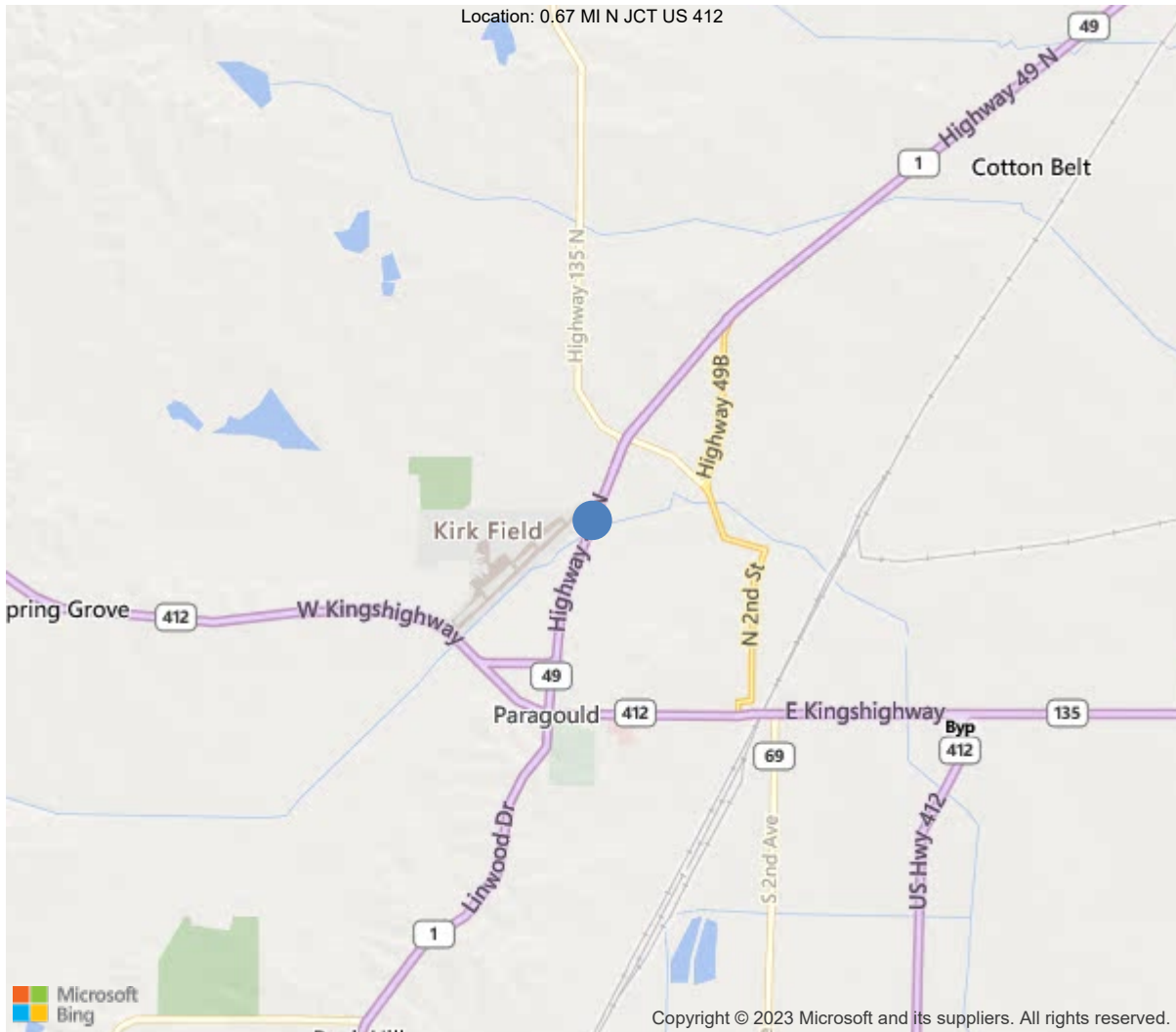
Latitude:36.06628, Longitude:-90.50137

Route:49 Section:02 Log:16.13

Arnold Road ID:28x49x2xA, Arnold Log mile:16.082

District 10, 55 - Greene County

Owner: 1 - State Highway Agency



36.06628, -90.50137



Asset #07086(Routine)

US 49-02-LM 16.13 over EIGHT MILE CREEK

Location: 0.67 MI N JCT US 412

Team Lead: Tim Myrick, Inspection Date: 06/15/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	07086
(5) Inventory Route	1
(2) Highway Agency District	10 - District 10
(3) County Code	55 - Greene County
(4) Place Code	53390
(6) Features Intersected	EIGHT MILE CREEK
(7) Facility Carried	US 49-02-LM 16.13
(9) Location	0.67 MI N JCT US 412
(11) Mile Point	16.13 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000049020
(16) Latitude	36.0662823933609
(17) Longitude	-90.501374305884
(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 pl
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2009
(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	18000
(30) Year of ADT	2018
(109) Truck ADT	10 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	80 ft
(49) Structure Length	213 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	75.5 ft
(52) Deck Width Out to Out	78.2 ft
(32) Approach Roadway Width (W/Shoulders)	75.1 ft
(33) Bridge Median	1 - Open median
(34) Skew	45 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	76.4 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 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	14 - Urban Other Principal Art
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	2 - 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	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	9
(60) Substructure	8
(61) Channel & Channel Protection	8
(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	8
(68) Deck Geometry	9
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(72) Approach Roadway Alignment	7
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(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	23300
(115) Year of Future ADT	2026

INSPECTIONS *			
(90) Inspection Date	06/15/2022		
(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>			



General Observation (False)

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58 - Deck (7)

Approach slabs have several unsealed transverse and longitudinal cracks.

Deck has numerous unsealed transverse and longitudinal cracks.

Soffit has several transverse cracks with efflorescence at overhangs and between girders 4 and 5.

Poured joint seal at bent 4 has 2' near centerline that pulled loose.

59 - Superstructure (9)

Weathering steel superstructure is a light brown color with a light granular texture.

60 - Substructure (8)

Back walls at bents 1 and 4 have several vertical cracks with efflorescence and/or rust stains.

61 - Channel/Channel Protection (8)

Drift on Bent 3

A-46 - Asset Files

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Asset #07086(Routine)

US 49-02-LM 16.13 over EIGHT MILE CREEK

Location: 0.67 MI N JCT US 412

Team Lead: Tim Myrick, Inspection Date: 06/15/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	16415	9278	0	7137	0
1120	Efflorescence/Rust Staining	SF	273	0	0	273	0
1130	Cracking (RC and Other)	SF	6864	0	0	6864	0
107	Steel Open Girder/Beam	LF	1890	1890	0	0	0
515	Steel Protective Coating	SF	21211	21211	0	0	0
205	Reinforced Concrete Column	EA	14	14	0	0	0
215	Reinforced Concrete Abutment	LF	269	239	0	30	0
1120	Efflorescence/Rust Staining	LF	30	0	0	30	0
234	Reinforced Concrete Pier Cap	LF	219	218	1	0	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
301	Pourable Joint Seal	LF	212	210	0	0	2
2320	Seal Adhesion	LF	2	0	0	0	2
310	Elastomeric Bearing	EA	36	36	0	0	0
321	Reinforced Concrete Approach Slab	SF	9976	8456	0	1520	0
1130	Cracking (RC and Other)	SF	1520	0	0	1520	0
331	Reinforced Concrete Bridge Railing	LF	420	336	84	0	0
1130	Cracking (RC and Other)	LF	84	0	84	0	0



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Deck

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12	Reinforced Concrete Deck	SF	16415	9278	0	7137	0
1120	Efflorescence/Rust Staining	SF	273	0	0	273	0
1130	Cracking (RC and Other)	SF	6864	0	0	6864	0

58 - Deck (7)

Comment: Approach slabs have several unsealed transverse and longitudinal cracks.

Deck has numerous unsealed transverse and longitudinal cracks.

Soffit has several transverse cracks with efflorescence at overhangs and between girders 4 and 5.

Poured joint seal at bent 4 has 2' near centerline that pulled loose.



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Location: 0.67 MI N JCT US 412

Team Lead: Tim Myrick, Inspection Date: 06/15/2022

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
107	Steel Open Girder/Beam	LF	1890	1890	0	0	0
515	Steel Protective Coating	SF	21211	21211	0	0	0

59 - Superstructure (9)

Comment: Weathering steel superstructure is a light brown color with a light granular texture.



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US 49-02-LM 16.13 over EIGHT MILE CREEK

Location: 0.67 MI N JCT US 412

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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
205	Reinforced Concrete Column	EA	14	14	0	0	0
215	Reinforced Concrete Abutment	LF	269	239	0	30	0
1120	Efflorescence/Rust Staining	LF	30	0	0	30	0
234	Reinforced Concrete Pier Cap	LF	219	218	1	0	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0

60 - Substructure (8)

Comment: Back walls at bents 1 and 4 have several vertical cracks with efflorescence and/or rust stains.

61 - Channel/Channel Protection (8)

Comment: Drift on Bent 3



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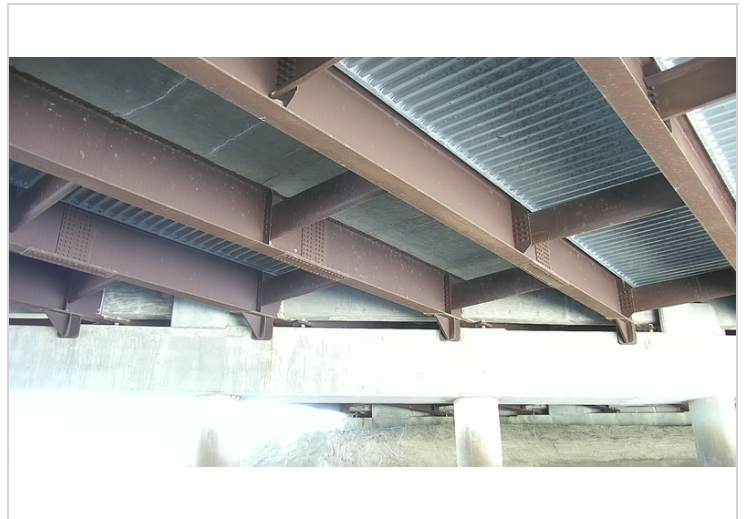
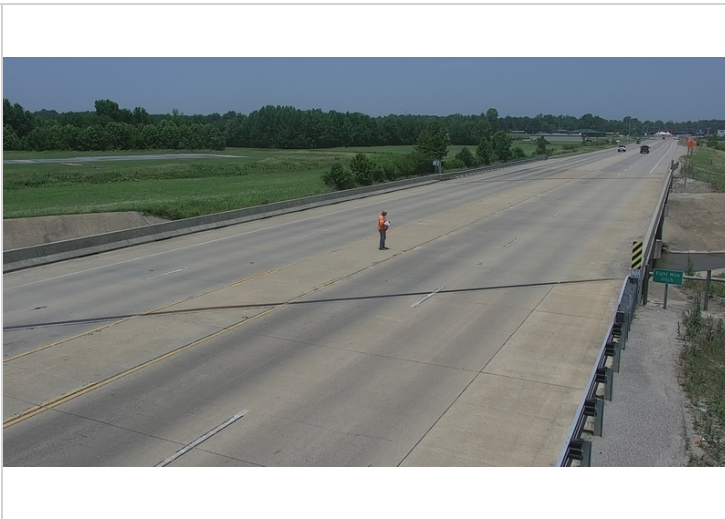
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Location: 0.67 MI N JCT US 412

Team Lead: Tim Myrick, Inspection Date: 06/15/2022

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



soffit



Bent 1 Approach Slab



Span 2 Deck
Right Outside Travel Lane

Maintenance Needs

Date Reported: 07/02/2014
Priority: (Inactive) (Inactive) G - General/ Preventive maintenance
Type of Work: Repair (General)
Status: Monitor
Component: Approach

Deficiency Description

Approach slabs have several unsealed transverse and longitudinal cracks.

Remarks





Asset #07086(Routine)

US 49-02-LM 16.13 over EIGHT MILE CREEK

Location: 0.67 MI N JCT US 412

Team Lead: Tim Myrick, Inspection Date: 06/15/2022

Date Reported: 06/20/2018
Priority: C - Important
Type of Work: Repair (General)
Status: Monitor
Component: Deck

Deficiency Description

Deck has numerous unsealed transverse and longitudinal cracks.

Remarks





Asset #07086(Routine)

US 49-02-LM 16.13 over EIGHT MILE CREEK

Location: 0.67 MI N JCT US 412

Team Lead: Tim Myrick, **Inspection Date:** 06/15/2022

Date Reported: 06/25/2020
Priority: C - Important
Type of Work: Repair (General)
Status: Monitor
Component: Deck

Deficiency Description

Poured joint seal at bent 4 has 2 ft. near centerline that pulled loose.

Remarks



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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	



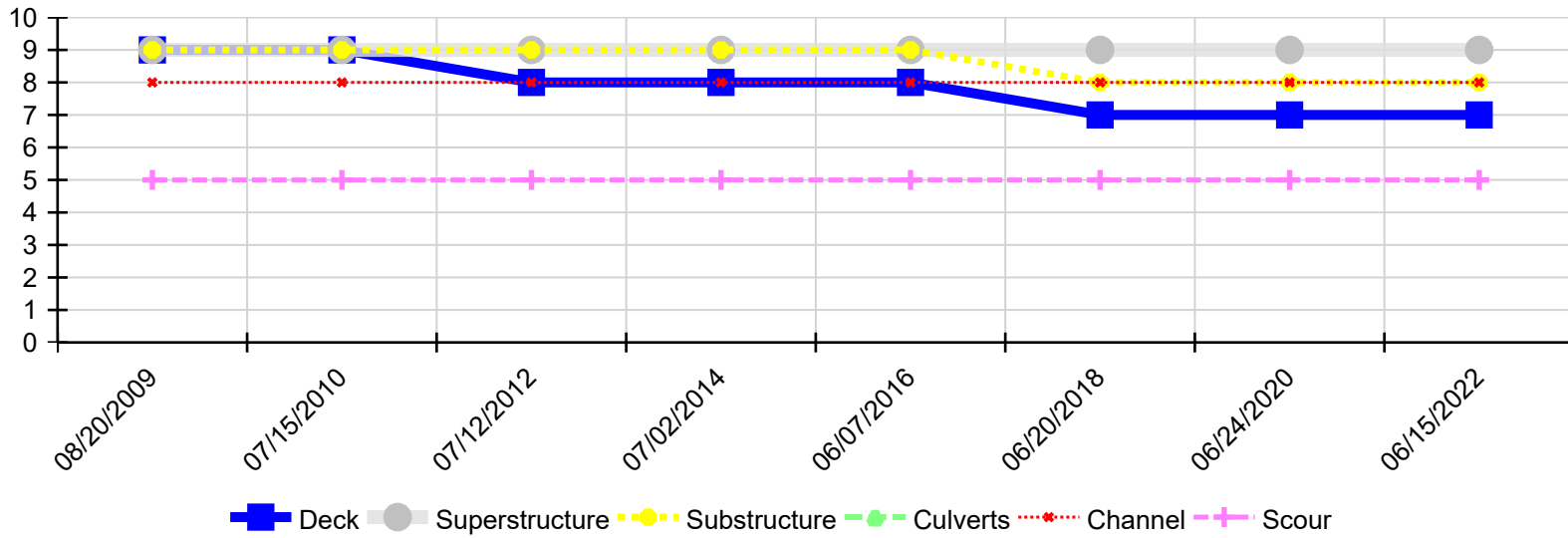
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Team Lead: Tim Myrick, Inspection Date: 06/15/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/15/2022	7	9	8	N	8	5
06/24/2020	7	9	8	N	8	5
06/20/2018	7	9	8	N	8	5
06/07/2016	8	9	9	N	8	5
07/02/2014	8	9	9	N	8	5
07/12/2012	8	9	9	N	8	5
07/15/2010	9	9	9	N	8	5
08/20/2009	9	9	9	N	8	5