



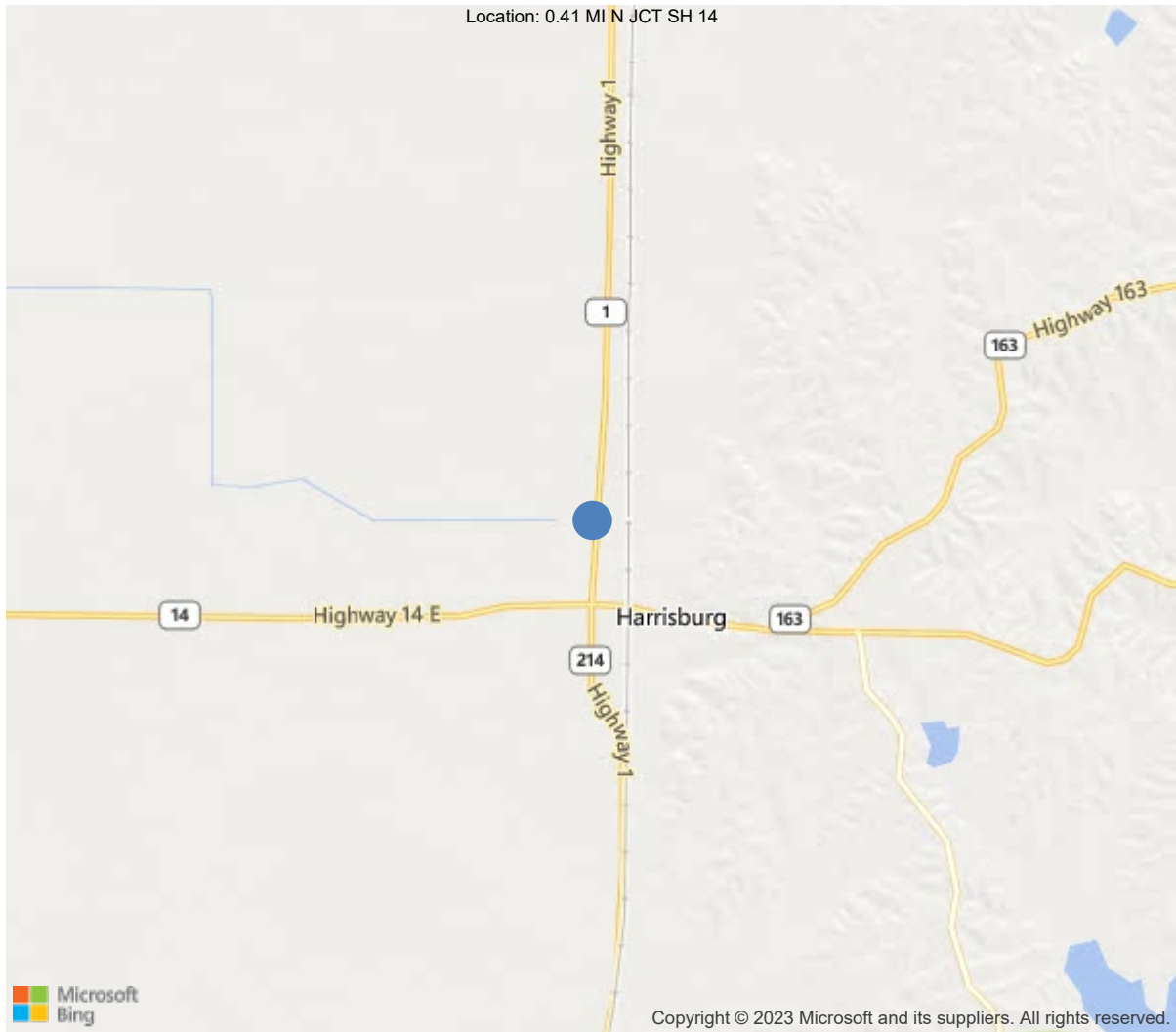
Latitude:35.57105, Longitude:-90.72410

Route:1 Section:16 Log:0.41

Arnold Road ID:56x1x16xA, Arnold Log mile:0.405

District 10, 111 - Poinsett County

Owner: 1 - State Highway Agency



35.57105, -90.72410



Asset #X0292(Routine)

SH 1-16- LM 0.41 over T LATERAL WATERWAY

Location: 0.41 MI N JCT SH 14

Team Lead: Tim Myrick, Inspection Date: 11/01/2021

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	X0292
(5) Inventory Route	1
(2) Highway Agency District	10 - District 10
(3) County Code	111 - Poinsett County
(4) Place Code	0
(6) Features Intersected	T LATERAL WATERWAY
(7) Facility Carried	SH 1-16- LM 0.41
(9) Location	0.41 MI N JCT SH 14
(11) Mile Point	0.41 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000006160
(16) Latitude	35.57105
(17) Longitude	-90.7241
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	119
Material	1 - Concrete
Type	19 - Culvert
(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	N - Not applicable
(108) Wearing Surface/Protective System	
Type of Wearing Surface	N - Not applicable (applies only to stru
Type of Membrane	N - Not applicable (applies only to stru
Type of Deck Protection	N - Not applicable (applies only to stru
AGE AND SERVICE	
(27) Year Built	1976
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	6700
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	4 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	9 ft
(49) Structure Length	43 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	0 ft
(52) Deck Width Out to Out	0 ft
(32) Approach Roadway Width (W/Shoulders)	44 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	99.9 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(111) Pier Protection	5 - None present but re-evalua
(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	2 - Rural Principal Arterial -
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(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	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	6
(62) Culverts	7
LOAD RATING AND POSTING	
(31) Design Load	4 - M 18 / H 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	52
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	31
(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	N
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(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	8 - 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	7202
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	11/01/2021		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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.			



62 - Culverts (7 - Shrinkage cracks, light scaling and insignificant spalling which does not expose reinforcing steel. Insignificant damage caused by drift with no misalignment and not requiring corrective action. Some minor scouring has occurred near curtain walls, wingwalls or pipes. Metal culverts have a smooth symmetrical curvature with superficial corrosion and no pitting.)

No log mile postings. Some moderate width cracks to top slab and walls with efflorescence.

Left end side wall barrel 5 has a spalled area with exposed rebar, see 2017 photo.

Barrel 5 has some delamination and small spalls around drop inlet and drains.

Floor of barrel 1 has minor abrasion.

Ends of division wall between barrels 3 & 4 has a open crack at connection of additional barrels.

1.5 ft. of scour on inlet end of barrels 1 thru 5.

2.5 ft. of scour at outlet end of barrels 1-5.

A-46 - Asset Files

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Asset #X0292(Routine)

SH 1-16- LM 0.41 over T LATERAL WATERWAY

Location: 0.41 MI N JCT SH 14

Team Lead: Tim Myrick, Inspection Date: 11/01/2021

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	430	268	149	13	0
1080	Delamination/Spall/Patched Area	LF	11	0	0	11	0
1090	Exposed Rebar	LF	1	0	0	1	0
1120	Efflorescence/Rust Staining	LF	32	0	32	0	0
1130	Cracking (RC and Other)	LF	15	0	14	1	0
1190	Abrasion/Wear (PSC/RC)	LF	103	0	103	0	0



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Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

**Culvert**

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	430	268	149	13	0
1080	Delamination/Spall/Patched Area	LF	11	0	0	11	0
1090	Exposed Rebar	LF	1	0	0	1	0
1120	Efflorescence/Rust Staining	LF	32	0	32	0	0
1130	Cracking (RC and Other)	LF	15	0	14	1	0
1190	Abrasion/Wear (PSC/RC)	LF	103	0	103	0	0

62 - Culverts (7 - Shrinkage cracks, light scaling and insignificant spalling which does not expose reinforcing steel. Insignificant damage caused by drift with no misalignment and not requiring corrective action. Some minor scouring has occurred near curtain walls, wingwalls or pipes. Metal culverts have a smooth symmetrical curvature with superficial corrosion and no pitting.)

Comment: No log mile postings. Some moderate width cracks to top slab and walls with efflorescence.

Left end side wall barrel 5 has a spalled area with exposed rebar, see 2017 photo.

Barrel 5 has some delamination and small spalls around drop inlet and drains.

Floor of barrel 1 has minor abrasion.

Ends of division wall between barrels 3 & 4 has a open crack at connection of additional barrels.

1.5 ft. of scour on inlet end of barrels 1 thru 5.

2.5 ft. of scour at outlet end of barrels 1-5.





Asset #X0292(Routine)

SH 1-16- LM 0.41 over T LATERAL WATERWAY

Location: 0.41 MI N JCT SH 14

Team Lead: Tim Myrick, **Inspection Date:** 11/01/2021

Maintenance Needs

Date Reported: 03/01/2012

Priority: C - Important

Type of Work: (Inactive) (Inactive) 1 - Clean

Status: Monitor

Component: Channel

Deficiency Description

Minor drift & 1.5 ft. of scour on inlet end of barrels 1 thru 5.
2.5 ft. of scour at outlet end of barrels 1-5.

Remarks

Maintenance Needs

Date Reported: 03/01/2012

Priority: (Inactive) (Inactive) G - General/
Preventive maintenance

Status: Monitor

Type of Work: Repair (General)

Component: Culverts

Deficiency Description

Left end side Wall Barrel 5 has a shelled out area with rebar exposed.
Barrel 5 has some delamination and small spalls around drop inlet and drains.

Remarks





Asset #X0292(Routine)

SH 1-16- LM 0.41 over T LATERAL WATERWAY

Location: 0.41 MI N JCT SH 14

Team Lead: Tim Myrick, Inspection Date: 11/01/2021

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	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	



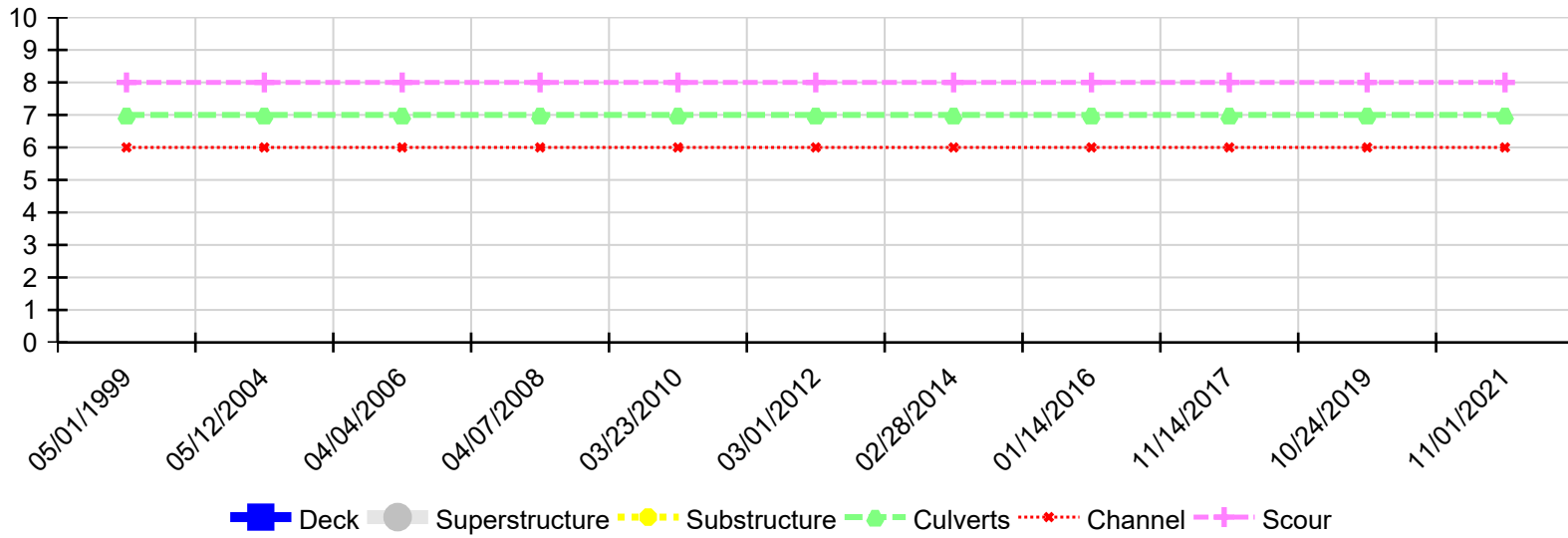
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Location: 0.41 MI N JCT SH 14

Team Lead: Tim Myrick, Inspection Date: 11/01/2021

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
11/01/2021	N	N	N	7	6	8
10/24/2019	N	N	N	7	6	8
11/14/2017	N	N	N	7	6	8
01/14/2016	N	N	N	7	6	8
02/28/2014	N	N	N	7	6	8
03/01/2012	N	N	N	7	6	8
03/23/2010	N	N	N	7	6	8
04/07/2008	N	N	N	7	6	8
04/04/2006	N	N	N	7	6	8
05/12/2004	N	N	N	7	6	8
05/01/1999	N	N	N	7	6	8