



Latitude:36.01592, Longitude:-94.17405

Route:71 Section:16 Log:21.35

Arnold Road ID:72x71x16xA, Arnold Log mile:21.362

District 04, 143 - Washington County

Owner: 1 - State Highway Agency

Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

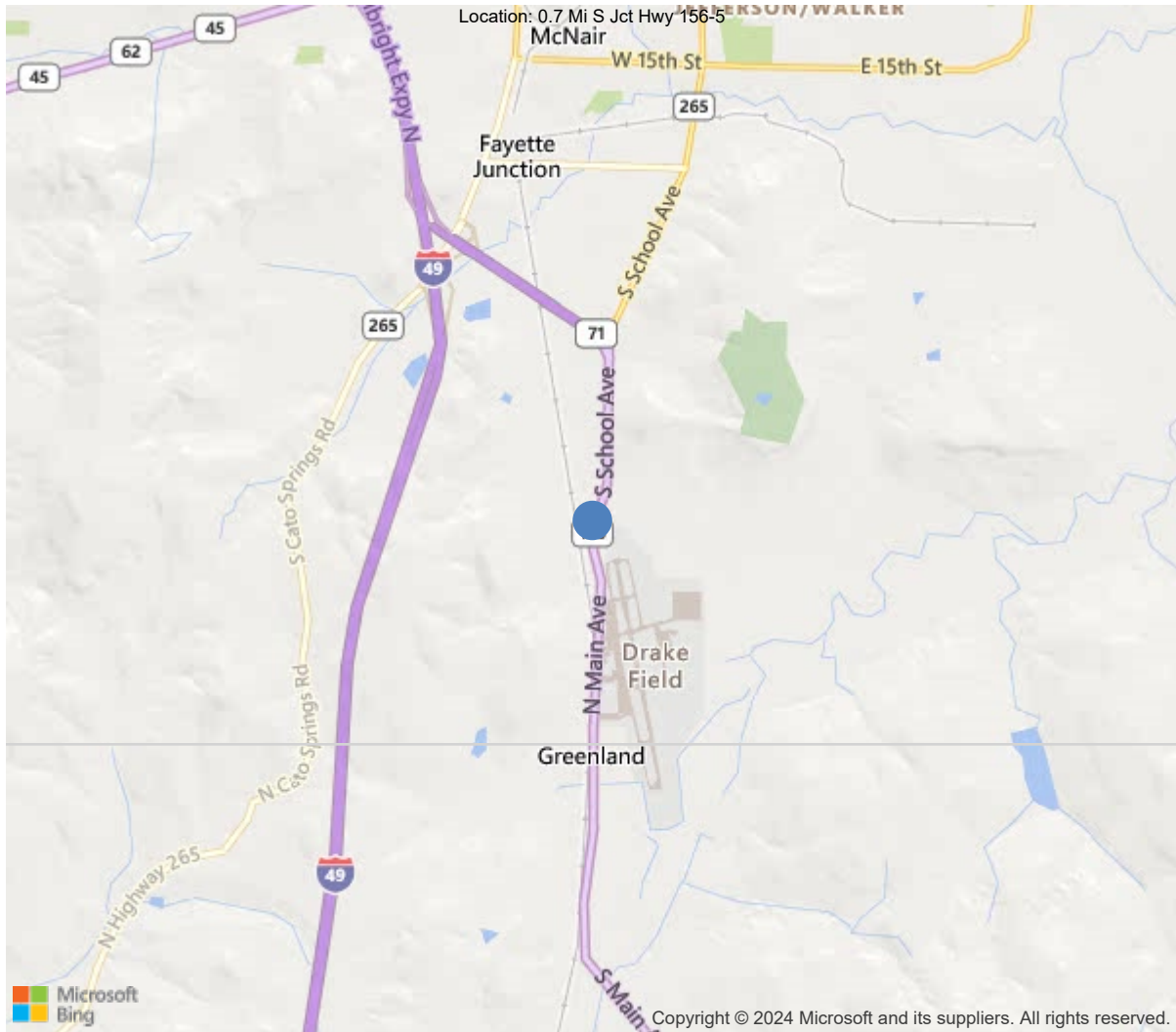
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	28		
Code 9 (31 Tons)	36		
Code 5 (40 Tons)	40		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



36.01592, -94.17405



Asset #X1312(Routine)

US Highway 71 over Airport Creek Wash. Co.

Location: 0.7 Mi S Jct Hwy 156-5

Team Lead: Eric West, Inspection Date: 04/24/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	X1312
(5) Inventory Route	1
(2) Highway Agency District	04 - District 04
(3) County Code	143 - Washington County
(4) Place Code	23290
(6) Features Intersected	Airport Creek Wash. Co.
(7) Facility Carried	US Highway 71
(9) Location	0.7 Mi S Jct Hwy 156-5
(11) Mile Point	21.35 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000071160
(16) Latitude	36.01592
(17) Longitude	-94.17405
(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	2010
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	5
Under	0
(29) Average Daily Traffic	9200
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	9 ft
(49) Structure Length	45 ft
(50) Curb or Sidewalk Width	
Left	5 ft
Right	5 ft
(51) Bridge Roadway Width Curb to Curb	0 ft
(52) Deck Width Out to Out	0 ft
(32) Approach Roadway Width (W/Shoulders)	59.1 ft
(33) Bridge Median	0 - No median
(34) Skew	15 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	99.9 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	0
(26) Functional Class	16 - Urban Minor Arterial
(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	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	7
(62) Culverts	6
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	39
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	23
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	N
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	6
(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	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	12600
(115) Year of Future ADT	2029

INSPECTIONS *			
(90) Inspection Date	04/24/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
<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 #X1312(Routine)

District: 04, County: 143 - Washington County

Team Lead: Eric West, Inspection Date: 04/24/2023

General Observation

04/24/2023 - EJW, JPW & TJL - Routine Inspection conducted on this date.

RSM & SPC: Routine inspection conducted this date.

61 - Channel/Channel Protection (7 - Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift.)
-The channel has streambed material accumulation with vegetation growing at the inlet and outlet ends that restricts channel flow.

A-15 - Late Reason (Optimize Schedule)

04/24/2023 - EJW - Structure inspected late due to heavy work load.

US Highway 71 over Airport Creek Wash. Co.

Location: 0.7 Mi S Jct Hwy 156-5

Team Lead: Eric West, **Inspection Date:** 04/24/2023

Culvert

[illegible]



Elevation



Roadway



Barrel # 1 typical.



Barrel # 2 typical.



Barrel # 3 typical.



Barrel # 4 typical.



Barrel # 5 typical.



Barrel # 1 Rt fractured wing wall.



Wall # 2 Rt spalling.



Barrel # 4 top slab cracking with efflorescence buildup.

Maintenance Needs

Date Reported: 03/06/2017

Priority: D- Routine

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

Status: Monitor

Component: Channel

Deficiency Description

Channel -

The interior of culvert barrels have up to 30" of silt accumulation.

The channel has streambed material accumulation with vegetation growing at the inlet and outlet ends that restricts channel flow.

Remarks



Barrel # 2 typical.



The interior of culvert barrels have up to 30" of silt accumulation.



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	

A-54 - Sealable Deck Cracks

A-55 - Deck Washing Needed

A-56 - Joint Cleaning/Flushing Needed



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US Highway 71 over Airport Creek Wash. Co.

Location: 0.7 Mi S Jct Hwy 156-5

Team Lead: Eric West, Inspection Date: 04/24/2023

A-57 - Beam End and Bearing Painting 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



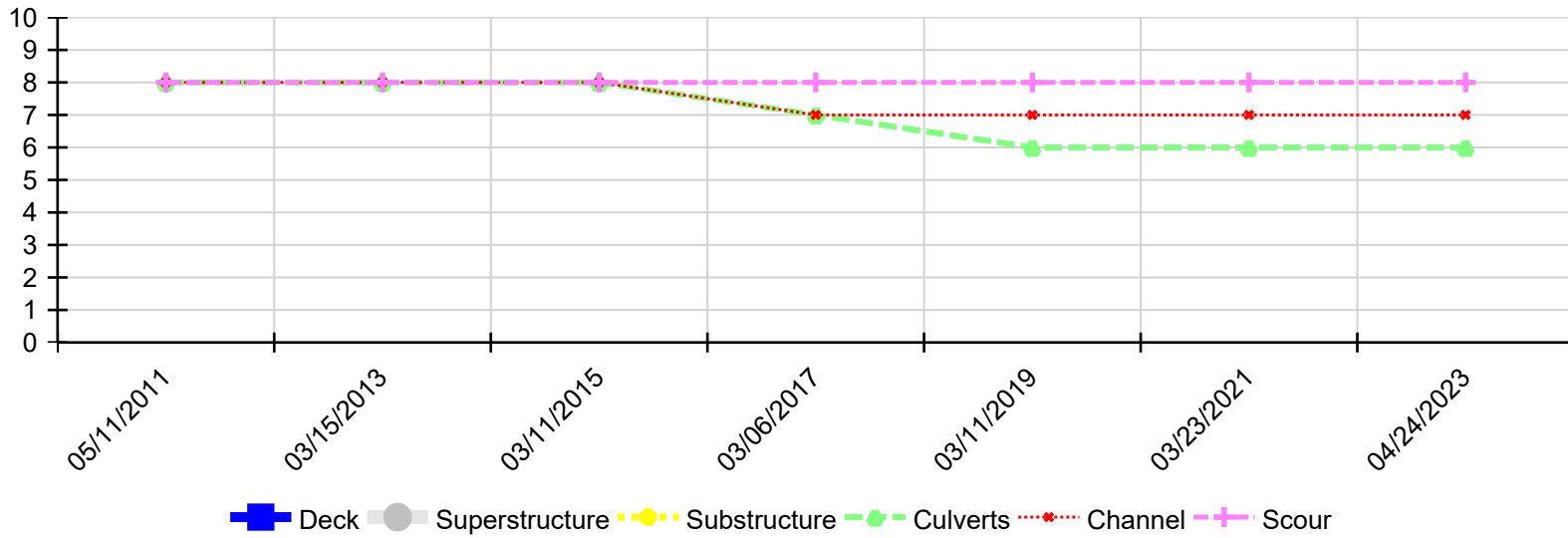
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US Highway 71 over Airport Creek Wash. Co.

Location: 0.7 Mi S Jct Hwy 156-5

Team Lead: Eric West, Inspection Date: 04/24/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/24/2023	N	N	N	6	7	8
03/23/2021	N	N	N	6	7	8
03/11/2019	N	N	N	6	7	8
03/06/2017	N	N	N	7	7	8
03/11/2015	N	N	N	8	8	8
03/15/2013	N	N	N	8	8	8
05/11/2011	N	N	N	8	8	8