



Latitude:35.49151, Longitude:-91.99998

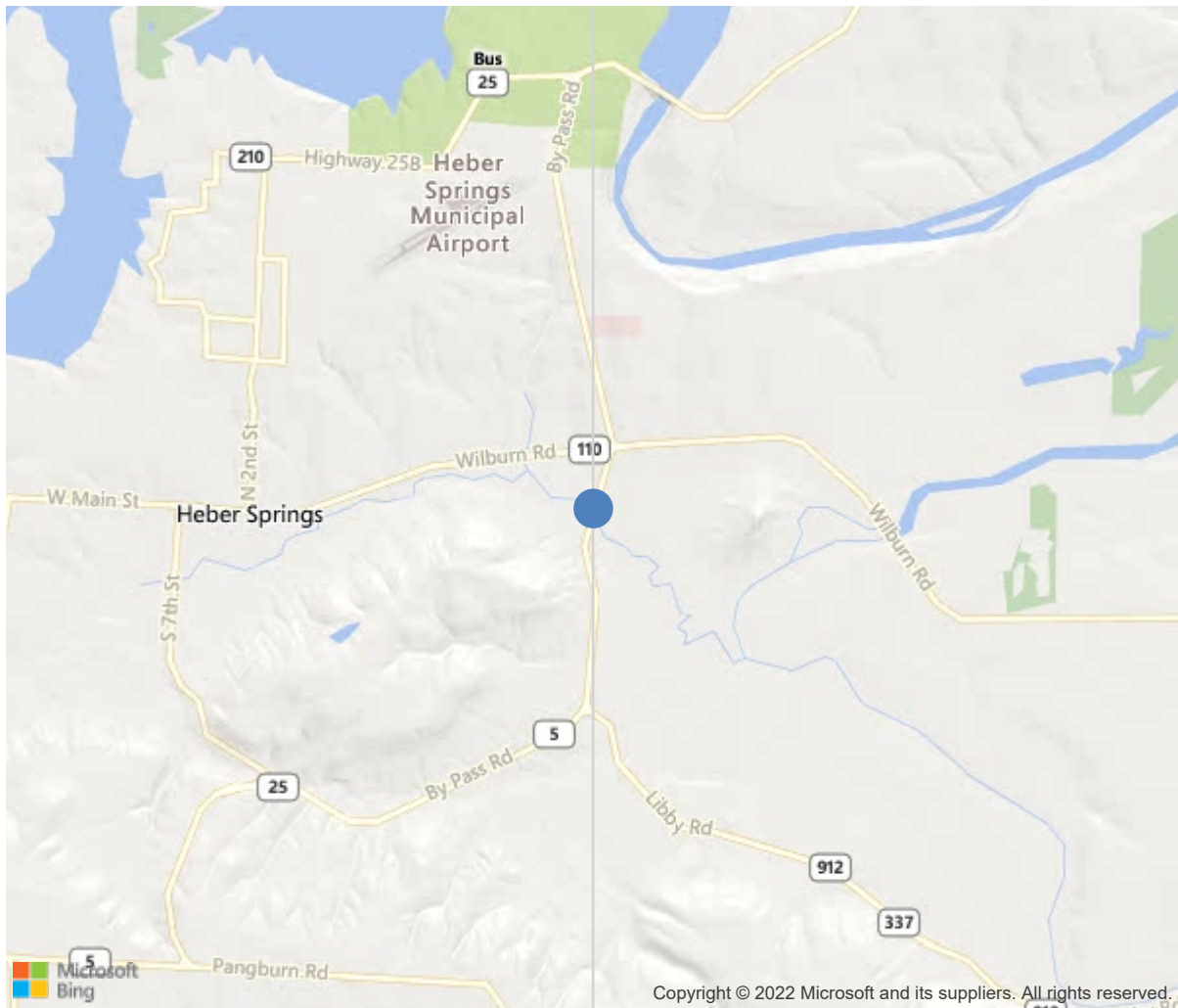
Route:25 Section:03 Log:4.96

Arnold Road ID:12x25x3xA, Arnold Log mile:3.959

District 05, Cleburne County

Owner: 1-State Highway Agency

0.3 Mi South Jct SH110&25



35.49151, -91.99998



Bridge #06297(Routine)

SH 25/Cleburne Co. over SULPHUR CREEK

Location: 0.3 Mi South Jct SH110&25

Team Lead: Nathan Edwards Inspection Date: November 16, 2021

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06297
(5) Inventory Route	25
(2) Highway Agency District	05
(3) County Code	23-Cleburne County, Arkansas
(4) Place Code	0
(6) Features Intersected	SULPHUR CREEK
(7) Facility Carried	SH 25/Cleburne Co.
(9) Location	0.3 Mi South Jct SH110&25
(11) Mile Point	4.96 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000025030
(16) Latitude	35.491508
(17) Longitude	-91.999977
(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	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 placed
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1990
(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	6600
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	50 ft
(49) Structure Length	152 ft
(50) Curb or Sidewalk Width	
Left	0.6 ft
Right	0.6 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.8 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	30 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	41 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 water
(111) Pier Protection	1-Navigation protection not requ
(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	6-Rural Minor Arterial
(100) Defense Highway	0-The inventory route is not a S
(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	0-The inventory route is not part of
(20) Toll	3-On free road. The structure is toll-
(21) Maintain	1-State Highway Agency
(22) Owner	1-State Highway Agency
(37) Historical Significance	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	7
(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	3
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	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	8-Bridge foundations determined to be
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	8097
(115) Year of Future ADT	2028

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



Bridge #06297(Routine)

SH 25/Cleburne Co. over SULPHUR CREEK

Location: 0.3 Mi South Jct SH110&25

Team Lead: Nathan Edwards, Inspection Date: November 16, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6506	5853	173	480	0
1120	Efflorescence/Rust Staining	SF	48	0	48	0	0
1130	Cracking (RC and Other)	SF	605	0	125	480	0
(12)	Unsealed cracks to deck @ Spans 1 - 3. Efflorescent cracks to Left and Right overhangs at all spans.						
107	Steel Open Girder/Beam	LF	900	888	0	12	0
1000	Corrosion	LF	12	0	0	12	0
515	Steel Protective Coating	SF	6147	6102	0	45	0
3440	Effectiveness (Steel Protective Coatings)	SF	45	0	0	45	0
(107)	Rust and flaking build up at ends of some Girders						
205	Reinforced Concrete Column	EA	6	6	0	0	0
215	Reinforced Concrete Abutment	LF	134	121	4	9	0
1120	Efflorescence/Rust Staining	LF	13	0	4	9	0
(215)	Efflorescent cracking some with rust stains to backwall @ Abutments 1 & 2.						
234	Reinforced Concrete Pier Cap	LF	94	94	0	0	0
302	Compression Joint Seal	LF	196	81	43	72	0
2320	Seal Adhesion	LF	43	0	43	0	0
2340	Seal Cracking	LF	72	0	0	72	0
(302)	Compression joints seal is cracking & losing adhesion.						
311	Movable Bearing	EA	18	0	18	0	0
1000	Corrosion	EA	18	0	18	0	0
515	Steel Protective Coating	SF	36	0	36	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	36	0	36	0	0
(311)	Some minor corrosion to all Bearings.						
313	Fixed Bearing	EA	18	0	18	0	0
1000	Corrosion	EA	18	0	18	0	0

Team Lead: Nathan Edwards, **Inspection Date:** November 16, 2021

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
515	Steel Protective Coating	SF	36	0	36	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	36	0	36	0	0
(313)							
Some minor corrosion to all Bearings.							
331	Reinforced Concrete Bridge Railing	LF	304	252	52	0	0
1130	Cracking (RC and Other)	LF	52	0	52	0	0
(331)							
Minor vertical cracks to all parapet walls.							



Roadway with Log Mile looking north.



Overall deck.



Overall deck below @ span 2.



Typical cracks to deck @ all spans.



Typical efflorescent cracking to Lt & Rt overhangs.



Rust to end of girders @ bent 2.



Typical efflor cracks to Abutment 1 & 2.
Abutment 2.



Typical efflor cracks to Abutment 1 & 2.
Abutment 1.



Seal cracking to joint seals.



Loss of adhesion to joint seal @ end of span 3.



Typical corrosion to Moveable Bearings.



Typical corrosion to fixed bearings.

Maintenance Needs

Date Reported: 11/17/2011
Priority: D- Routine
Type of Work: Repair
Status: Monitor
Component:

Deficiency Description

Unsealed cracks to deck @ Spans 1 - 3.

Remarks



Span 3 Deck cracks.



Span 2 Deck cracks.



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Team Lead: Nathan Edwards **Inspection Date:** November 16, 2021



Unsealed cracks to deck @ Spans 1 - 3.



Bridge #06297 (Routine)

SH 25/Cleburne Co. over SULPHUR CREEK

Location: 0.3 Mi South Jct SH110&25

Team Lead: Nathan Edwards **Inspection Date:** November 16, 2021

Inspection Comments

Log Mile running North.

Job: R50046