



Latitude:33.84528, Longitude:-92.59150

Route:273 Section:01 Log:5.759

Arnold Road ID:20x273x1xA, Arnold Log mile:5.727

District 07, 39 - Dallas County

Owner: 1 - State Highway Agency

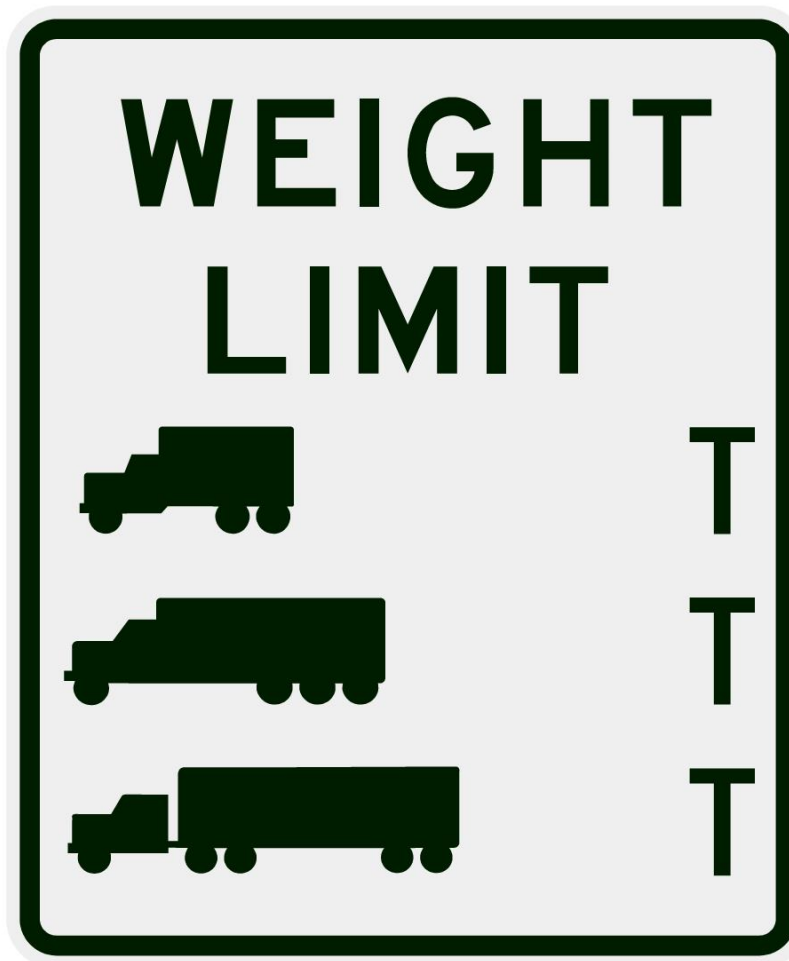
Bridge Posting Information

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

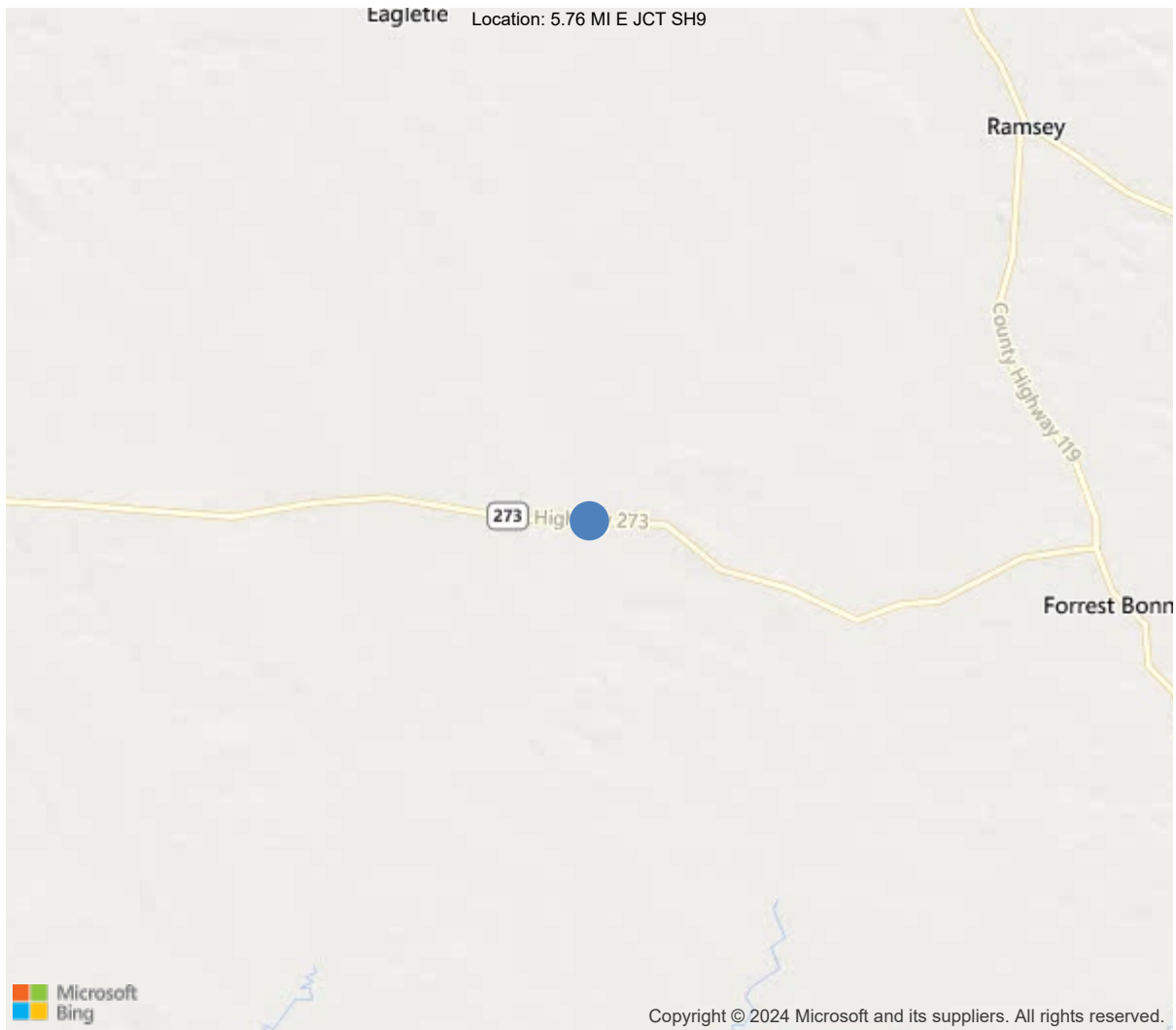
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	60		

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



33.84528, -92.59150



Asset #06147(Routine)

SH 273 S-1 LM 5.76 over WEST FK FREEO CREEK

Location: 5.76 MI E JCT SH9

Team Lead: John Parks, Inspection Date: 09/13/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06147
(5) Inventory Route	1
(2) Highway Agency District	07 - District 07
(3) County Code	39 - Dallas County
(4) Place Code	0
(6) Features Intersected	WEST FK FREEO CREEK
(7) Facility Carried	SH 273 S-1 LM 5.76
(9) Location	5.76 MI E JCT SH9
(11) Mile Point	5.759 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.84528
(17) Longitude	-92.5915
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	4
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1985
(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	470
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	8 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	124 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	28.2 ft
(52) Deck Width Out to Out	30.8 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 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	28.2 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	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	7 - Rural Major Collector
(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	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(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	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	
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	
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	9
(36A) Bridge Railings	1 - Inspected feature meets current
(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	5 - Bridge foundations determined to
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	484
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	09/13/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	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.			



Asset #06147(Routine)

District: 07, County: 39 - Dallas County

Team Lead: John Parks, Inspection Date: 09/13/2022

General Observation

08/06/2018 JPR -- This structure is logged from West to East.

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Minor upstream bank erosion abutment 2 with some loss of slope protection. See picture. Minor scour along and under deck spans.



Asset #06147 (Routine)

SH 273 S-1 LM 5.76 over WEST FK FREEO CREEK

Location: 5.76 MI E JCT SH9

Team Lead: John Parks, Inspection Date: 09/13/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	3819	3819	0	0	0
510	Wearing Surfaces	SF	3497	3277	220	0	0
3220	Crack (Wearing Surface)	SF	220	0	220	0	0
(16) AC OL							
110	Reinforced Concrete Open Girder/Beam	LF	992	970	20	2	0
1090	Exposed Rebar	LF	2	0	0	2	0
1130	Cracking (RC and Other)	LF	20	0	20	0	0
215	Reinforced Concrete Abutment	LF	62	61	1	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
(215)	Minor upstream bank erosion abutment 2 with some loss of slope protection. See picture.						
227	Reinforced Concrete Pile	EA	12	4	8	0	0
1190	Abrasion/Wear (PSC/RC)	EA	8	0	8	0	0
234	Reinforced Concrete Pier Cap	LF	92	90	2	0	0
1090	Exposed Rebar	LF	2	0	2	0	0
304	Open Expansion Joint	LF	92	92	0	0	0
331	Reinforced Concrete Bridge Railing	LF	248	248	0	0	0



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Team Lead: John Parks, Inspection Date: 09/13/2022

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
16	Reinforced Concrete Top Flange	SF	3819	3819	0	0	0
510	Wearing Surfaces	SF	3497	3277	220	0	0
3220	Crack (Wearing Surface)	SF	220	0	220	0	0
(16) AC OL							



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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
110	Reinforced Concrete Open Girder/Beam	LF	992	970	20	2	0
1090	Exposed Rebar	LF	2	0	0	2	0
1130	Cracking (RC and Other)	LF	20	0	20	0	0



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Location: 5.76 MI E JCT SH9

Team Lead: John Parks, Inspection Date: 09/13/2022

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	62	61	1	0	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
(215) Minor upstream bank erosion abutment 2 with some loss of slope protection. See picture.							
227	Reinforced Concrete Pile	EA	12	4	8	0	0
1190	Abrasion/Wear (PSC/RC)	EA	8	0	8	0	0
234	Reinforced Concrete Pier Cap	LF	92	90	2	0	0
1090	Exposed Rebar	LF	2	0	2	0	0

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Comment: Minor upstream bank erosion abutment 2 with some loss of slope protection. See picture. Minor scour along and under deck spans.



Elevation



Elevation



Underview



Overview



Typical view of the girders.



Left side of the bridge



Right side of bridge



Approach



Name plate



Span 2, girder 7.



Bt. 3 pile have abrasion



Asset #06147(Routine)

SH 273 S-1 LM 5.76 over WEST FK FREEO CREEK

Location: 5.76 MI E JCT SH9

Team Lead: John Parks, Inspection Date: 09/13/2022

Maintenance Needs

Date Reported: 08/19/2020

Priority: C - Important

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

Status: Monitor

Component: Miscellaneous

Deficiency Description

Vegetation left side

Remarks



Vegetation left side



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



Asset #06147(Routine)

SH 273 S-1 LM 5.76 over WEST FK FREEO CREEK

Location: 5.76 MI E JCT SH9

Team Lead: John Parks, Inspection Date: 09/13/2022

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



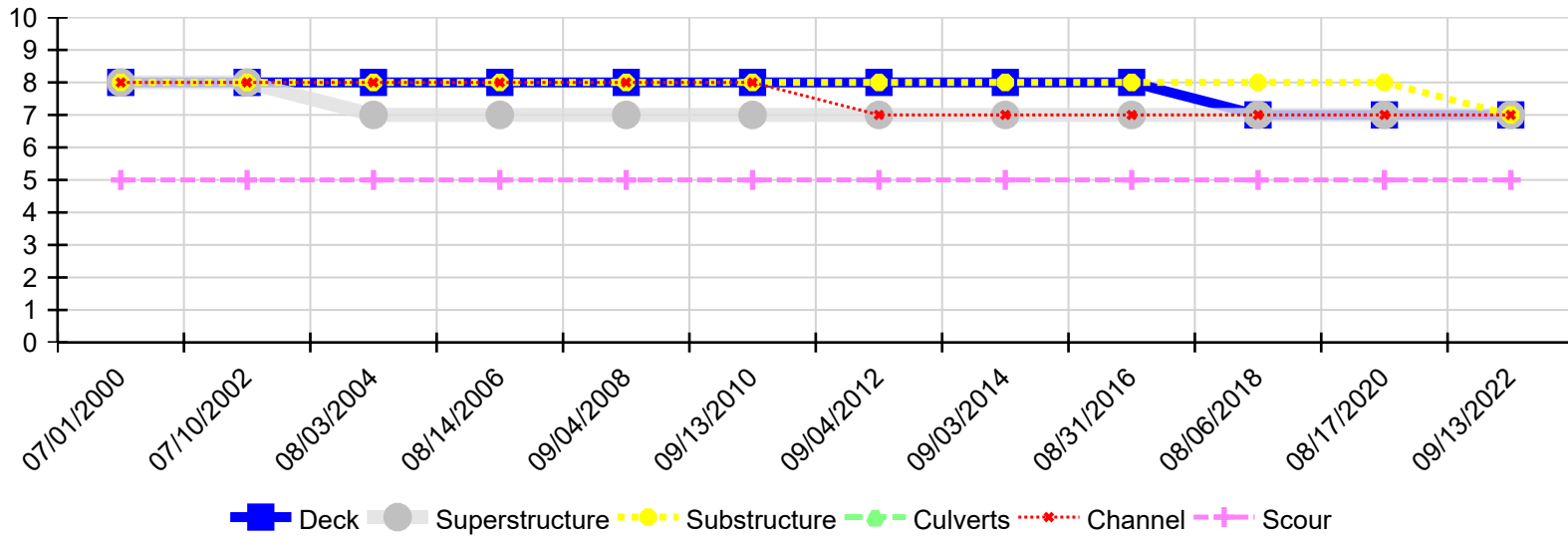
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SH 273 S-1 LM 5.76 over WEST FK FREEO CREEK

Location: 5.76 MI E JCT SH9

Team Lead: John Parks, Inspection Date: 09/13/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/13/2022	7	7	7	N	7	5
08/17/2020	7	7	8	N	7	5
08/06/2018	7	7	8	N	7	5
08/31/2016	8	7	8	N	7	5
09/03/2014	8	7	8	N	7	5
09/04/2012	8	7	8	N	7	5
09/13/2010	8	7	8	N	8	5
09/04/2008	8	7	8	N	8	5
08/14/2006	8	7	8	N	8	5
08/03/2004	8	7	8	N	8	5
07/10/2002	8	8	8	N	8	5
07/01/2000	8	8	8	N	8	5