



Latitude:34.09265, Longitude:-93.10851

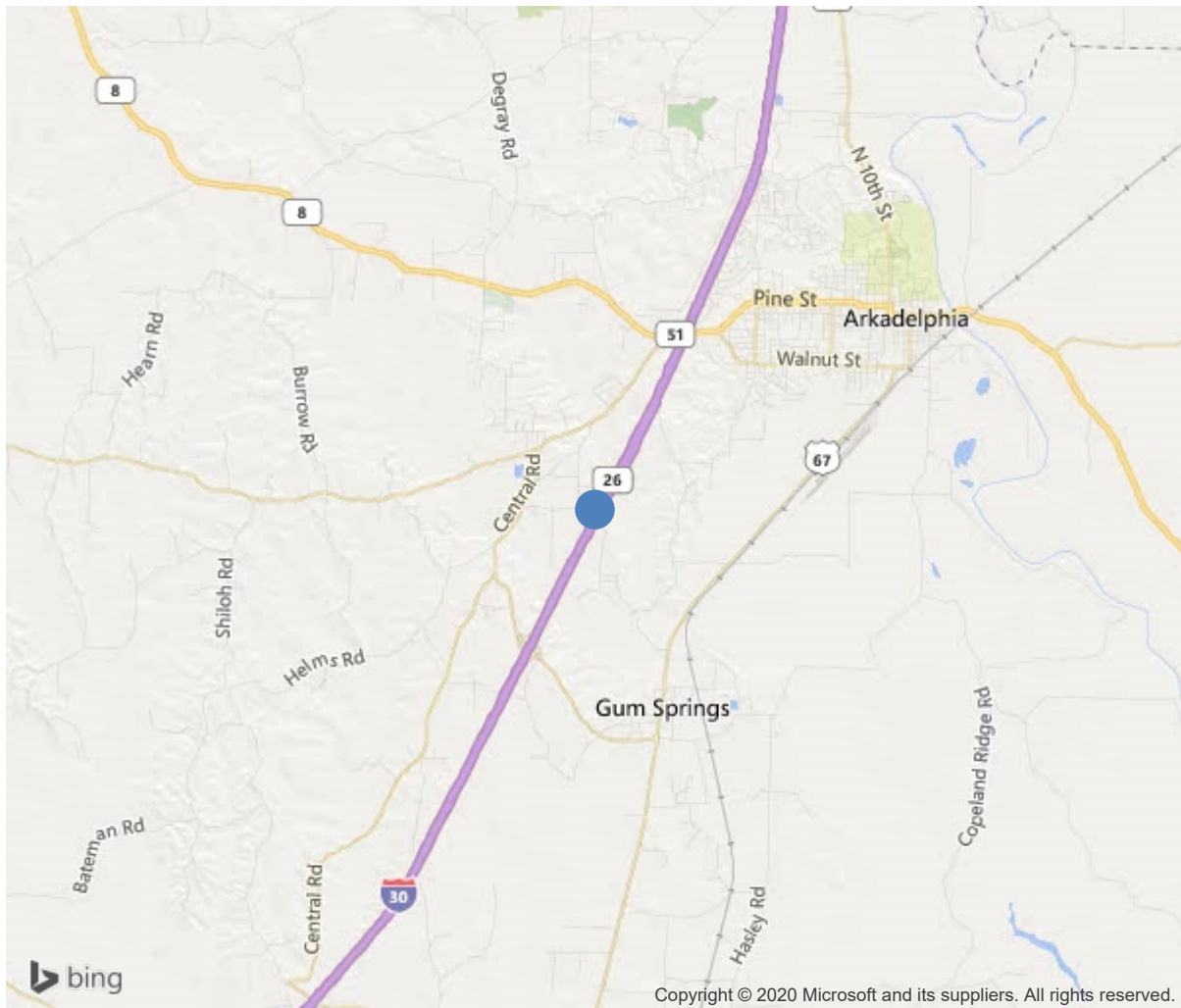
Route:73 Section:00 Log:1.799

Arnold Road ID:10xSNYDERRDx1xA, Arnold Log mile:0.71

District 07, Clark County

Owner: 1-State Highway Agency

JCT I-30 & CO.RD. 73



34.09265, -93.10851



Bridge #03690(Routine)

CR 73/N. Gum Sprgs over I-30 SEC 14 LOG 70.77

Location: JCT I-30 & CO.RD. 73

Team Lead: Rickie Bratton Inspection Date: April 20, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03690
(5) Inventory Route	73
(2) Highway Agency District	07
(3) County Code	19-Clark County, Arkansas
(4) Place Code	0
(6) Features Intersected	I-30 SEC 14 LOG 70.77
(7) Facility Carried	CR 73/N. Gum Sprgs
(9) Location	JCT I-30 & CO.RD. 73
(11) Mile Point	1.799 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.09265
(17) Longitude	-93.10851
(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	4
(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	1965
(106) Year Reconstructed	0
(42) Type of Service	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	2
Under	4
(29) Average Daily Traffic	418
(30) Year of ADT	1987
(109) Truck ADT	1 %
(19) Bypass, Detour Length	6 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	76 ft
(49) Structure Length	249 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	28.3 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	26.2 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	16.67 ft
Ref:	
(55) Min Lat Underclear RT	10.5 ft
Ref:	
(56) Min Lat Underclear LT	28.9 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(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			19-Urban Local
(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			6
(59) Superstructure			7
(60) Substructure			6
(61) Channel & Channel Protection			N
(62) Culverts			N
LOAD RATING AND POSTING			
(31) Design Load			2-M 13.5 / H 15
(63) Operating Rating Method			1
(64) Operating Rating			
Type			1-Load Factor(LF)
Rating			49
(65) Inventory Rating Method			1-Load Factor(LF)
(66) Inventory Rating			
Type			4
Rating			30
(70) Bridge Posting		5-Equal to or above legal loads	
(41) Structure Open/Posted/Closed		A-Open, no restriction	
APPRAISAL			
(67) Structural Evaluation			6
(68) Deck Geometry			6
(69) Clearances, Vertical/Horizontal			4
(71) Waterway Adequacy			N
(72) Approach Roadway Alignment			8
(36) Traffic Safety Features			0000
A) Bridge Railings		0-Inspected feature does not meet cur	
B) Transitions		0-Inspected feature does not meet cur	
C) Approach Guardrail		0-Inspected feature does not meet cur	
D) Approach Guardrail Ends		0-Inspected feature does not meet cur	
(113) Scour Critical Bridges		N-Bridge not over waterway.	
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			111
(115) Year of Future ADT			2007
INSPECTIONS			
(90) Inspection Date			202004
(91) Frequency			24 Months
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No	24	
B: Underwater Inspection	No	0	
C: Other Special Inspection	No	0	

SUFFICIENCY RATING	86.1
STATUS (SD/FO/None)	Not Deficient



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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7048	2467	4228	353	0
1080	Delamination/Spall/Patched Area	SF	705	0	352	353	0
1130	Cracking (RC and Other)	SF	2819	0	2819	0	0
1190	Abrasion/Wear (PSC/RC)	SF	1057	0	1057	0	0
(12)							
Transverse cracks at 1' intervals. Span 1 worst. All have some shallow cracks. one small pothole noted.							
107	Steel Open Girder/Beam	LF	1245	1245	0	0	0
515	Steel Protective Coating	SF	9600	4800	4800	0	0
3410	Chalking (Steel Protective Coatings)	SF	4800	0	4800	0	0
(107)							
Steel has been painted sometime after 2012. Effectiveness good on steel protective coating. (paint)							
205	Reinforced Concrete Column	EA	6	6	0	0	0
215	Reinforced Concrete Abutment	LF	57	57	0	0	0
234	Reinforced Concrete Pier Cap	LF	85	71	0	14	0
1090	Exposed Rebar	LF	14	0	0	14	0
303	Assembly Joint with Seal	LF	141	141	0	0	0
311	Movable Bearing	EA	10	0	10	0	0
1000	Corrosion	EA	10	0	10	0	0
313	Fixed Bearing	EA	30	0	30	0	0
1000	Corrosion	EA	30	0	30	0	0
330	Metal Bridge Railing	LF	498	498	0	0	0
331	Reinforced Concrete Bridge Railing	LF	498	498	0	0	0



Span 2, transverse cracks



Deck overview



Approach roadway



Bent 3, cap with exposed rebar.



Span 4 soffit, deck cracks with efflorescence



Deck



Underside span 2



Profile



Bearings at abutment 2



Roadway

Maintenance Needs

Date Reported: 04/27/2020
Priority: C - Important
Type of Work: Repair
Status: Open
Component:

Deficiency Description

Span 3, spalls with exposed rebar.

Remarks



Span 3, deck spalls cracks and exposed rebar



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Team Lead: Rickie Bratton **Inspection Date:** April 20, 2020

Inspection Comments

04/23/2018 JPR -- This structure is logged from Northwest to Southeast.