



Latitude:35.84062, Longitude:-92.57704

Route:65 Section:06 Log:6.18

Arnold Road ID:64x65x6xA, Arnold Log mile:6.174

District 09, Searcy County

Owner: 1-State Highway Agency



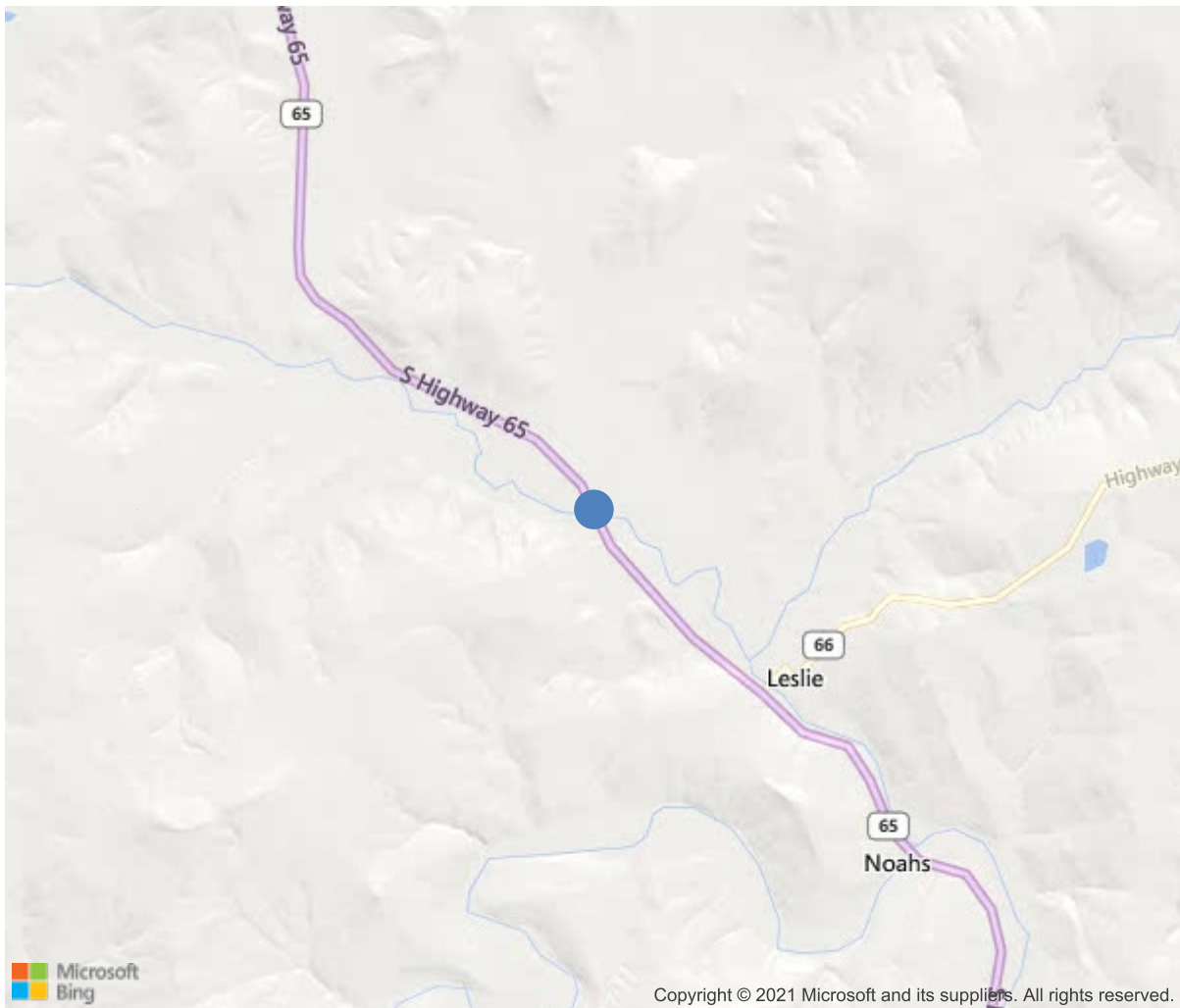
Bridge #07202(Underwater type 2, Routine)

US 65 Searcy over Cove Creek

Location: 6.18 Mi So. JCT Hwy 27

Team Lead: Benjamin Smith **Inspection Date:** June 07, 2022

6.18 Mi So. JCT Hwy 27



35.84062, -92.57704



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07202
(5) Inventory Route	65
(2) Highway Agency District	09
(3) County Code	129-Searcy County, Arkansas
(4) Place Code	0
(6) Features Intersected	Cove Creek
(7) Facility Carried	US 65 Searcy
(9) Location	6.18 Mi So. JCT Hwy 27
(11) Mile Point	6.18 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.84062
(17) Longitude	-92.57704
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4-Steel continuous
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	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2012
(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	5900
(30) Year of ADT	2018
(109) Truck ADT	16 %
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	70 ft
(49) Structure Length	181 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.6 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	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 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	1
(26) Functional Class	2-Rural Principal Arterial - Oth
(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	1-The inventory route is part of the
(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	4-Historical significance is not dete
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	7
(61) Channel & Channel Protection	9
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	A-HL93
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3-Load and Resistance Factor(LRFR)
Rating	40
(65) Inventory Rating Method	3-Load and Resistance Factor(LRF
(66) Inventory Rating	
Type	3
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	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	8000
(115) Year of Future ADT	2031
INSPECTIONS	
(90) Inspection Date	06/2020
(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

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	7711	7017	694	0	0
1120	Efflorescence/Rust Staining	SF	43	0	43	0	0
1130	Cracking (RC and Other)	SF	651	0	651	0	0
(12)							
<p>Driving surface- the bare concrete deck has a tined finish that is beginning to show minor wear.</p> <p>The right lane has 359' of longitudinal cracking with intermittent transverse cracking, the longitudinal cracking in the driving lane extends the length of the structure. The gutter line has short duration transverse cracks.</p> <p>The left lane has 292' of longitudinal cracking with intermittent transverse cracking, the longitudinal cracking in the driving lane extends the length of the structure. The gutter line has short duration transverse cracks.</p> <p>Undersurface- the left and right deck over hangs have 43' of transverse cracks with efflorescence. All bays have sip forms. Span 3 is beginning to show minor corrosion in the sip forms.</p>							
107	Steel Open Girder/Beam	LF	900	900	0	0	0
515	Steel Protective Coating	SF	8752	8752	0	0	0
(107)							
<p>5 beam system. Weathering steel protective coating includes the diaphragms.</p> <p>Span #1- no deficiencies noted.</p> <p>Span #2- no deficiencies noted.</p> <p>Span #3- no deficiencies noted.</p>							
205	Reinforced Concrete Column	EA	4	4	0	0	0
(205)							
<p>Bent #1 columns- no deficiencies noted. Both columns have cover on the footings.</p> <p>Bent #2 columns- no deficiencies noted. Both columns have cover on the footings.</p>							
215	Reinforced Concrete Abutment	LF	86	70	16	0	0
1120	Efflorescence/Rust Staining	LF	5	0	5	0	0
1130	Cracking (RC and Other)	LF	11	0	11	0	0
(215)							
<p>Abutment #1- has 3 vertical hairline cracks and 1 vertical hairline crack with efflorescence at the mid section. The rip rap is in place and functioning as intended.</p> <p>Abutment #2- has 8 vertical hairline cracks, and 4 hairline cracks with efflorescence at the corners of the beam bottom flanges of beams #2,3,4. The rip rap is in place and functioning as intended.</p>							
234	Reinforced Concrete Pier Cap	LF	82	74	8	0	0
1130	Cracking (RC and Other)	LF	8	0	8	0	0
(234)							
<p>Bent #1 cap- has 5 vertical hairline cracks.</p>							



Bearing condition at bent #1. Typical of all 5 at this location.



Downstream channel view.



Bridge plate.



Typical view of driving surface.



Upstream channel view.



View of the bearing condition at bent #2. Typical of all 5 at this location.



General view of abutment #1.



General View of abutment #2.



Typical view of bents.



Typical view of the undersurface.



Approach view in direction of log mile.



Several parapet sections on the right side have map cracking. Worst case condition.



The Right beginning end treatment is not connected to the post
Typical also of the Left ending end treatment is not connected to the post.



Typical condition of the weathering steel protective coating.



Elevation view. Log mile from left to right.



Typical view of the weathering steel protective coating condition.



Downstream channel view.



Upstream channel view.



Typical view of driving surface.



Typical view of the undersurface.



Approach view in direction of log mile.



Efflorescence at the beam corners of abutment 2.



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Maintenance Needs

Date Reported: 06/07/2018

Priority: D- Routine

Type of Work: None

Status: Monitor

Component:

Deficiency Description

The driving surface of the deck has sealable longitudinal and transverse cracks in all spans.

Remarks

Date Reported: 06/11/2020
Priority: D- Routine
Type of Work: Repair
Status: Monitor
Component: 331 - Reinforced Concrete Bridge Railing

Deficiency Description

The left parapet wall in span 2 has a 16' area of map cracking with efflorescence.

Remarks

Bridge



Map cracking with efflorescence in the left parapet wall in span 2.



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Inspection Comments

Structure is logged from North to South and is accessible with a small extension ladder.

No bat activity was noted.