Bridge #06980(Routine)
US 63 Sec 4 LM8.68 over CACHE RIVER SLOUGH
Location: 09.14 MI SE JCT US 67& 63
Team Lead: James Adams **Inspection Date:** December 09, 2020

Latitude:35.97343, Longitude:-90.85539

Route:63 Section:04 Log:8.68

Arnold Road ID:38x63x4xA, Arnold Log mile:8.808

District 10, Lawrence County

Owner: 1-State Highway Agency

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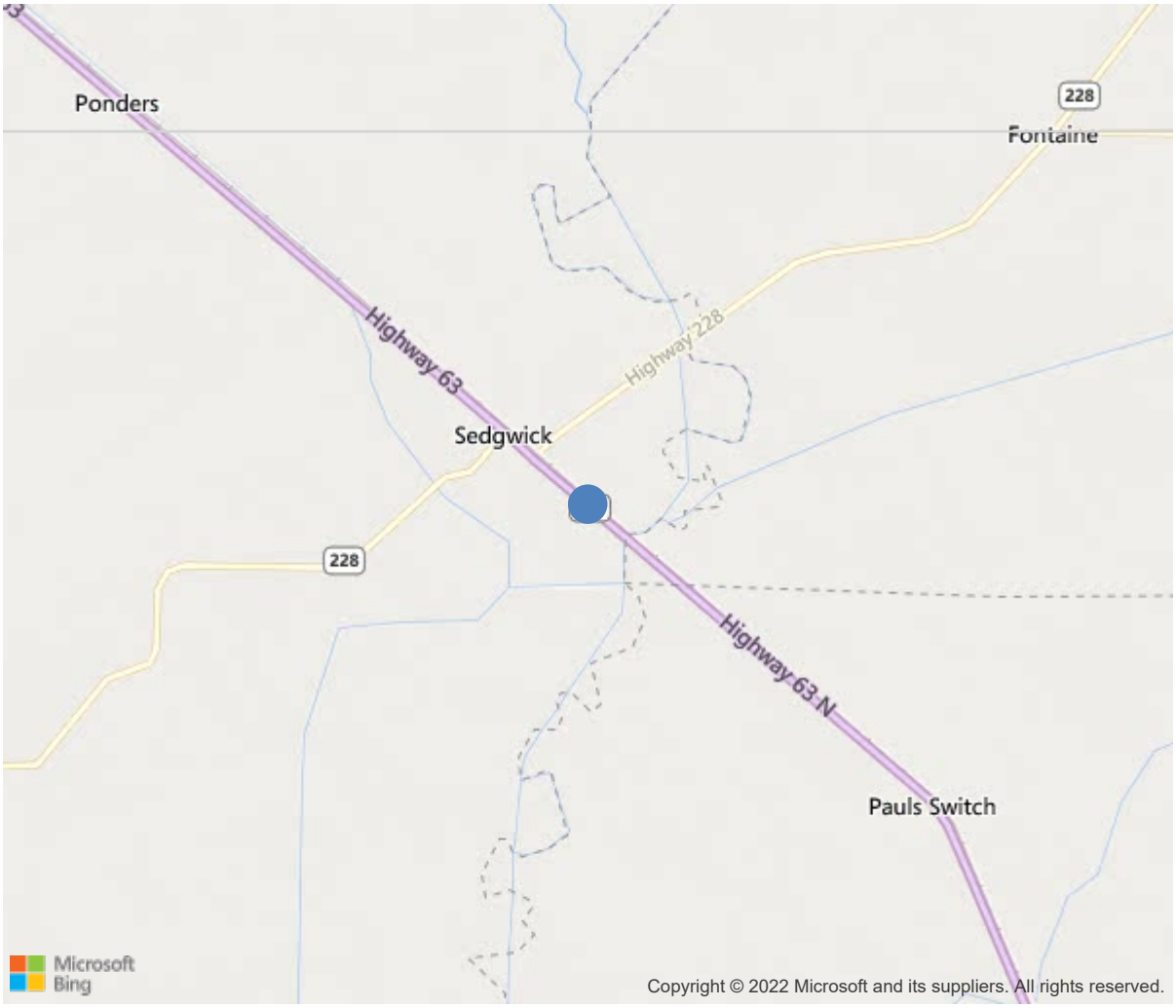
09.14 MI SE JCT US 67& 63



35.97343, -90.85539

Inspection Direction : W to E

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US 63 Sec 4 LM8.68 over CACHE RIVER SLOUGH

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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06980
(5) Inventory Route	63
(2) Highway Agency District	10
(3) County Code	75-Lawrence County, Arkansas
(4) Place Code	0
(6) Features Intersected	CACHE RIVER SLOUGH
(7) Facility Carried	US 63 Sec 4 LM8.68
(9) Location	09.14 MI SE JCT US 67& 63
(11) Mile Point	8.68 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000063040
(16) Latitude	35.97343
(17) Longitude	-90.85539
(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	2006
(106) Year Reconstructed	0
(42) Type of Service	15
On	1-Highway
Under	5-Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	12000
(30) Year of ADT	2018
(109) Truck ADT	14 %
(19) Bypass, Detour Length	12 mi

GEOMETRIC DATA	
(48) Length of Maximum Span	39 ft
(49) Structure Length	108 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	75.1 ft
(52) Deck Width Out to Out	78.2 ft
(32) Approach Roadway Width (W/Shoulders)	75.1 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	76.1 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	2-The inventory route is on a No
(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	9
(60) Substructure	8
(61) Channel & Channel Protection	8
(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	8
(68) Deck Geometry	9
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(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	5-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	13745
(115) Year of Future ADT	2028

INSPECTIONS *

(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
(90) Inspection Date			12/2020
(91) Frequency			24 Months
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.

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	8208	7055	795	358	0
1120	Efflorescence/Rust Staining	SF	217	0	159	58	0
1130	Cracking (RC and Other)	SF	936	0	636	300	0
107	Steel Open Girder/Beam	LF	1050	1050	0	0	0
515	Steel Protective Coating	SF	8862	8846	16	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	16	0	16	0	0
3420	Peeling/Bubbling/Cracking	SF	0	0	0	0	0
215	Reinforced Concrete Abutment	LF	218	180	0	38	0
1120	Efflorescence/Rust Staining	LF	38	0	0	38	0
225	Steel Pile	EA	22	22	0	0	0
515	Steel Protective Coating	SF	737	737	0	0	0
234	Reinforced Concrete Pier Cap	LF	178	178	0	0	0
301	Pourable Joint Seal	LF	181	135	11	15	20
2320	Seal Adhesion	LF	46	0	11	15	20
310	Elastomeric Bearing	EA	40	40	0	0	0
321	Reinforced Concrete Approach Slab	SF	4307	3102	542	663	0
1080	Delamination/Spall/Patched Area	SF	7	0	4	3	0
1130	Cracking (RC and Other)	SF	1198	0	538	660	0
331	Reinforced Concrete Bridge Railing	LF	210	185	25	0	0
1130	Cracking (RC and Other)	LF	25	0	25	0	0

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Maintenance Needs

Date Reported:	12/20/2018
Priority:	C - Important
Type of Work:	None
Status:	Monitor
Inspection Direction	W to E
Component:	

Deficiency Description

Deck has a few unsealed transverse, longitudinal, and diagonal cracks.
Lt lanes at span 2 have areas of map cracking.

Remarks

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Location: 09.14 MI SE JCT US 67& 63
Team Lead: James Adams **Inspection Date:** December 09, 2020

Date Reported: 12/20/2018
Priority: C - Important
Type of Work: None
Status: Monitor
Inspection Direction W to E
Component:

Deficiency Description

Poured joints at bents 1 and 4 have a few areas losing adhesion.

Remarks

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Date Reported: 12/09/2020
Priority: C - Important
Type of Work: Repair
Status: Open
Inspection Direction W to E
Component: Approach

Deficiency Description

Bent 1 left lane approach slab has a 3 ft. impending spall.

Remarks

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Inspection Comments

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Deck Notes

Bridge rails have a few minor vertical cracks.
Approach slabs have several unsealed cracks and a few repairs made with concrete from removal of plowable markers.
Bent 1 left lane approach slab has a 3 ft. impending spall.
Poured joints at bents 1 and 4 have a few areas losing adhesion.
Deck has a few unsealed transverse, longitudinal, and diagonal cracks. Left lanes at span 2 have areas of map cracking.
Overhangs and exposed soffit at center line have a few cracks with efflorescence.

Superstructure Notes

Diaphragms have a few areas of peeling paint.

Substructure Notes

Bents 1 and 4 backwalls have vertical cracks with efflorescence and some rust stains.

Brush & debris in channel.