



Latitude:35.85730, Longitude:-90.77831

Route:91 Section:02 Log:12.08

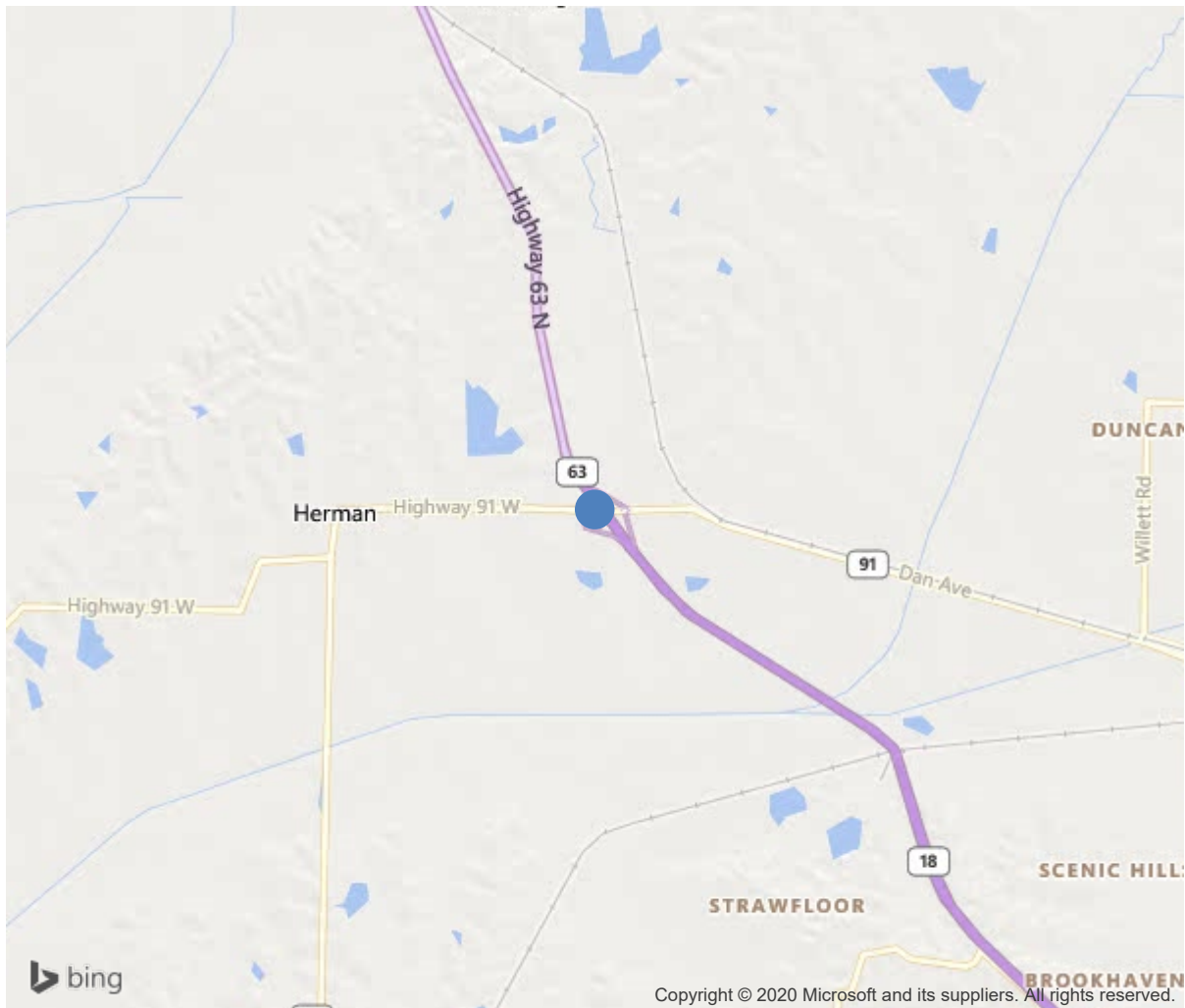
Arnold Road ID:16x91x2xA, Arnold Log mile:12.059

District 10, Craighead County

Owner: 1-State Highway Agency

Place Code: 34720 - JONESBORO

JCT. US HWY 63 & 91



35.85730, -90.77831



Bridge #06858(Routine)

SH 91-02- LM 12.08 over US HWY 63

Location: JCT. US HWY 63 & 91

Team Lead: Richard Jones Inspection Date: August 18, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06858
(5) Inventory Route	91
(2) Highway Agency District	10
(3) County Code	31-Craighead County, Arkansas
(4) Place Code	34720
(6) Features Intersected	US HWY 63
(7) Facility Carried	SH 91-02- LM 12.08
(9) Location	JCT. US HWY 63 & 91
(11) Mile Point	12.08 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000091020
(16) Latitude	35.8573
(17) Longitude	-90.778313
(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	5
(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	2004
(106) Year Reconstructed	0
(42) Type of Service	11
On	1-Highway
Under	1-Highway, with or without pedestrian
(28) Lane	
On	4
Under	5
(29) Average Daily Traffic	6400
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	7 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	98 ft
(49) Structure Length	383.7 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	64 ft
(52) Deck Width Out to Out	67.2 ft
(32) Approach Roadway Width (W/Shoulders)	64 ft
(33) Bridge Median	0-No median
(34) Skew	36 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	64 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	17.58 ft
Ref:	
(55) Min Lat Underclear RT	12.2 ft
Ref:	
(56) Min Lat Underclear LT	3.2 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(111) Pier Protection	!-Not Applicable (P)
(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	16-Urban 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	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	N
(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	54.7
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	5
Rating	32.8
(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	7
(69) Clearances, Vertical/Horizontal	9
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	7
(36) Traffic Safety Features	1111
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	1-Inspected feature meets currently a
C) Approach Guardrail	1-Inspected feature meets currently a
D) Approach Guardrail Ends	1-Inspected feature meets currently a
(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	0
(114) Future ADT	11407
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	
(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



Bridge #06858(Routine)

SH 91-02- LM 12.08 over US HWY 63

Location: JCT. US HWY 63 & 91

Team Lead: Richard Jones, Inspection Date: August 18, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	25591	22009	3515	67	0
1120	Efflorescence/Rust Staining	SF	35	0	35	0	0
1130	Cracking (RC and Other)	SF	3547	0	3480	67	0
107	Steel Open Girder/Beam	LF	3048	3048	0	0	0
515	Steel Protective Coating	SF	48290	48231	59	0	0
3420	Peeling/Bubbling/Cracking	SF	59	0	59	0	0
205	Reinforced Concrete Column	EA	12	12	0	0	0
215	Reinforced Concrete Abutment	LF	222	206	15	1	0
1120	Efflorescence/Rust Staining	LF	8	0	7	1	0
1130	Cracking (RC and Other)	LF	8	0	8	0	0
234	Reinforced Concrete Pier Cap	LF	310	310	0	0	0
303	Assembly Joint with Seal	LF	134	134	0	0	0
310	Elastomeric Bearing	EA	32	32	0	0	0
311	Movable Bearing	EA	16	16	0	0	0
321	Reinforced Concrete Approach Slab	SF	3504	3029	210	265	0
1130	Cracking (RC and Other)	SF	475	0	210	265	0
331	Reinforced Concrete Bridge Railing	LF	762	671	87	4	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
1130	Cracking (RC and Other)	LF	87	0	87	0	0



Overall



Abutment cracks

Maintenance Needs

Date Reported: 10/23/2017
Priority: C - Important
Type of Work: None
Status: Open
Component: Deck

Deficiency Description

Deck has several unsealed transverse and longitudinal cracks.

Remarks



Typ longitudinal cracks



Typ transverse cracks

Date Reported: 10/23/2017
Priority: G - General/ Preventive maintenance
Type of Work: None
Status: Monitor
Component: Deck

Deficiency Description

Span 3 stay in place forms have rust with areas of section loss near 3/4 point.

Remarks





Bridge #06858 (Routine)
SH 91-02- LM 12.08 over US HWY 63

Location: JCT. US HWY 63 & 91

Team Lead: Richard Jones Inspection Date: August 18, 2020

Date Reported: 08/25/2020

Priority: D- Routine

Type of Work: None

Status: Open

Component: Approach

Deficiency Description

Approach slabs have several wide unsealed cracks.

Remarks



Approach slab at end



Approach slab at bent 1



Bridge #06858(Routine)

SH 91-02- LM 12.08 over US HWY 63

Location: JCT. US HWY 63 & 91

Team Lead: Richard Jones Inspection Date: August 18, 2020

Inspection Comments

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Deck Notes

Approach slabs have several wide unsealed cracks.

Concrete bridge rails and overhangs have several cracks with efflorescence.

Bridge rails have minor spalls near joints at bents 1 and 6.

Deck has several unsealed transverse and longitudinal cracks.

Span 3 stay in place forms have rust with areas of section loss near 3/4 point.

Superstructure Notes

Steel girders are in overall good condition.

Anchor bolts have some flaking paint.

Span 3 bay 7 diaphragm 1 has some paint flaking.

Elastomeric pads and moveable bearings are tilted towards backwalls at bents 1 and 6.

Substructure Notes

Abutments have several vertical cracks. A few have efflorescence.

Concrete caps and columns are in overall good condition.

Caps have a few hairline cracks.