



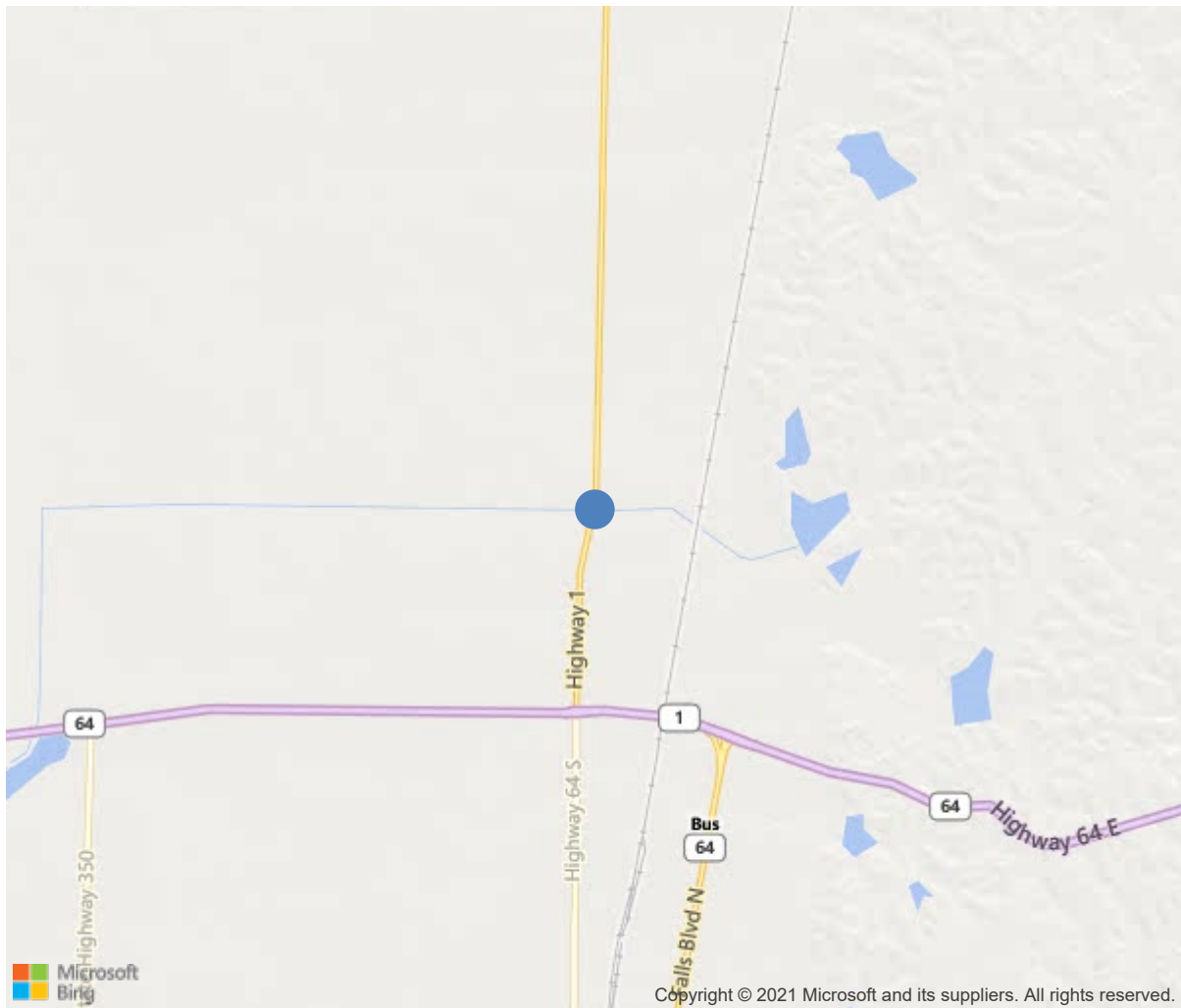
Bridge #03577 (Record Change)

Sh-1/Sec-14/L-1.0 over Drainage Ditch

Location: 1.0 Mi North Jct Of Us 64

Team Lead: Drew Melton **Inspection Date:** May 28, 2020

1.0 Mi North Jct Of Us 64



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35.26833, -90.79203



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	03577
(5) Inventory Route	1
(2) Highway Agency District	01
(3) County Code	37-Cross County, Arkansas
(4) Place Code	74540
(6) Features Intersected	Drainage Ditch
(7) Facility Carried	Sh-1/Sec-14/L-1.0
(9) Location	1.0 Mi North Jct Of Us 64
(11) Mile Point	1 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000001140
(16) Latitude	35.26833
(17) Longitude	-90.79203
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1-Concrete
Type	1-Slab
(44) Approach Structure Type	00
Material	0-Other
Type	0-Other
(45) No. of Spans in Main Unit	2
(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	1966
(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	5600
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	12 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	60 ft
(50) Curb or Sidewalk Width	
Left	1.4 ft
Right	1.4 ft
(51) Bridge Roadway Width Curb to Curb	27.9 ft
(52) Deck Width Out to Out	33.5 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	30.8 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	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	6
(60) Substructure	7
(61) Channel & Channel Protection	6
(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	2
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	6
(68) Deck Geometry	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0-Inspected feature does not meet cur
(36B) Transitions	0-Inspected feature does not meet cur
(36C) Approach Guardrail	0-Inspected feature does not meet cur
(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	5287
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			10/2019
(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		
* 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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Team Lead: Drew Melton, Inspection Date: May 28, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	1860	0	1615	245	0
1080	Delamination/Spall/Patched Area	SF	2	0	0	2	0
1120	Efflorescence/Rust Staining	SF	1	0	0	1	0
1130	Cracking (RC and Other)	SF	1063	0	831	232	0
1190	Abrasion/Wear (PSC/RC)	SF	794	0	784	10	0
(38)	Span #1 soffit both sides at gutter drain is cracked and delaminated. Soffit has hairline cracks with span #2 having one foot long with rust stains in center at bent #2. Concrete slab is cracked,delaminated,and spalled at bent #2 right and left side at haunch. All spans have open longitudinal and transverse cracks spaced one to two feet apart up to eighth inch wide. Deck has small areas of scaling in gutters. Entire deck has light abrasion exposing coarse aggregate. Sides of slab have vertical hairline cracks spaced one foot apart.						
215	Reinforced Concrete Abutment	LF	75	74	1	0	0
1130	Cracking (RC and Other)	LF	1	0	1	0	0
(215)	Abutment one right side back wall has vertical crack extending from top to bottom and into slab.						
227	Reinforced Concrete Pile	EA	5	5	0	0	0
234	Reinforced Concrete Pier Cap	LF	31	16	15	0	0
1090	Exposed Rebar	LF	15	0	15	0	0
(234)	Bent #2 ahead face & backface have minor pop offs with exposed rebar.						
301	Pourable Joint Seal	LF	101	0	101	0	0
2350	Debris Impaction	LF	101	0	101	0	0
(301)	All deck joints, material is failing allowing non compressible material to enter and vegetation to grow.						
321	Reinforced Concrete Approach Slab	SF	1120	0	1120	0	0
1190	Abrasion/Wear (PSC/RC)	SF	1120	0	1120	0	0
(321)	Each span has several open longitudinal cracks. Abutment #2 right side approach curb is cracked and spalled. All approach slabs have abrasion exposing coarse aggregate.						
330	Metal Bridge Railing	LF	120	30	88	2	0

Team Lead: Drew Melton, **Inspection Date:** May 28, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
1000	Corrosion	LF	88	0	88	0	0
7000	Damage	LF	2	0	0	2	0
515	Steel Protective Coating	SF	360	0	0	135	225
3440	Effectiveness (Steel Protective Coatings)	SF	360	0	0	135	225
(330)							
Span #1 right side first post and span #2 right side third post from abutment #2, posts are spalled on bottom with exposed rebar. Right side on back has no paint coverage front side has spotty rust. Left side on back half has no paint coverage front side half has spotty rust.							



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Location: 1.0 Mi North Jct Of Us 64

Team Lead: Drew Melton **Inspection Date:** May 28, 2020

Maintenance Needs

Date Reported: 10/16/2019
Priority: C - Important
Type of Work: N/A
Status: Forward State
Component:

Deficiency Description

Abutment #2 left side under drain has eroded slope up to three feet down the slope.

Remarks



Abutment #2 left side under drain has eroded slope
up to three feet down the slope.

Date Reported: 10/16/2019
Priority: C - Important
Type of Work: N/A
Status: Forward State
Component:

Deficiency Description

Abutment #2 left lane approach roadway has two foot spall in asphalt at concrete approach slab.

Remarks



Abutment #2 left lane approach roadway has two foot spall in asphalt at concrete approach slab.

Date Reported: 12/12/2011
Priority: C - Important
Type of Work: N/A
Status: Monitor
Component:

Deficiency Description

All spans have open longitudinal and transverse cracks spaced one to two feet apart up to eighth inch wide

Remarks



Typical deck cracks.



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Date Reported: 12/12/2011

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Span #1 soffit both sides at gutter drain is cracked and delaminated.

Remarks



Crack and delamination in span one left side drain.

Date Reported: 11/13/2013
Priority: D- Routine
Type of Work: N/A
Status: Assigned
Component:

Deficiency Description

Span #1 right side first post and span #2 right side third post from abutment #2, posts are spalled on bottom with exposed rebar.

Remarks



Right side rail post at abutment one.

Date Reported: 11/13/2013
Priority: D- Routine
Type of Work: N/A
Status: Monitor
Component:

Deficiency Description

Concrete slab is cracked, delaminated, and spalled at bent #2 right and left side at haunch.

Remarks



Side of slab at bent two, right side.



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Team Lead: Drew Melton **Inspection Date:** May 28, 2020

Date Reported: 11/05/2015
Priority: D- Routine
Type of Work: N/A
Status: Monitor
Component:

Deficiency Description

Vegetation growing under and beside bridge on both sides.

Remarks



Vegetation growing under and beside bridge on both sides.

Date Reported: 11/05/2015
Priority: C - Important
Type of Work: N/A
Status: Monitor
Component:

Deficiency Description

All deck joints, material is failing allowing non compressible to enter and vegetation to grow.

Remarks



All deck joints, material is failing allowing non compressible to enter and vegetation to grow.



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Inspection Comments

Drawing numbers: 11665-67, 5221A,B.

Vegetation growing under and beside bridge on both sides.

Abutment #2 left side under drain has eroded slope up to three feet down the slope.

Abutment #2 left lane approach roadway has two foot spall in asphalt at concrete approach slab.