



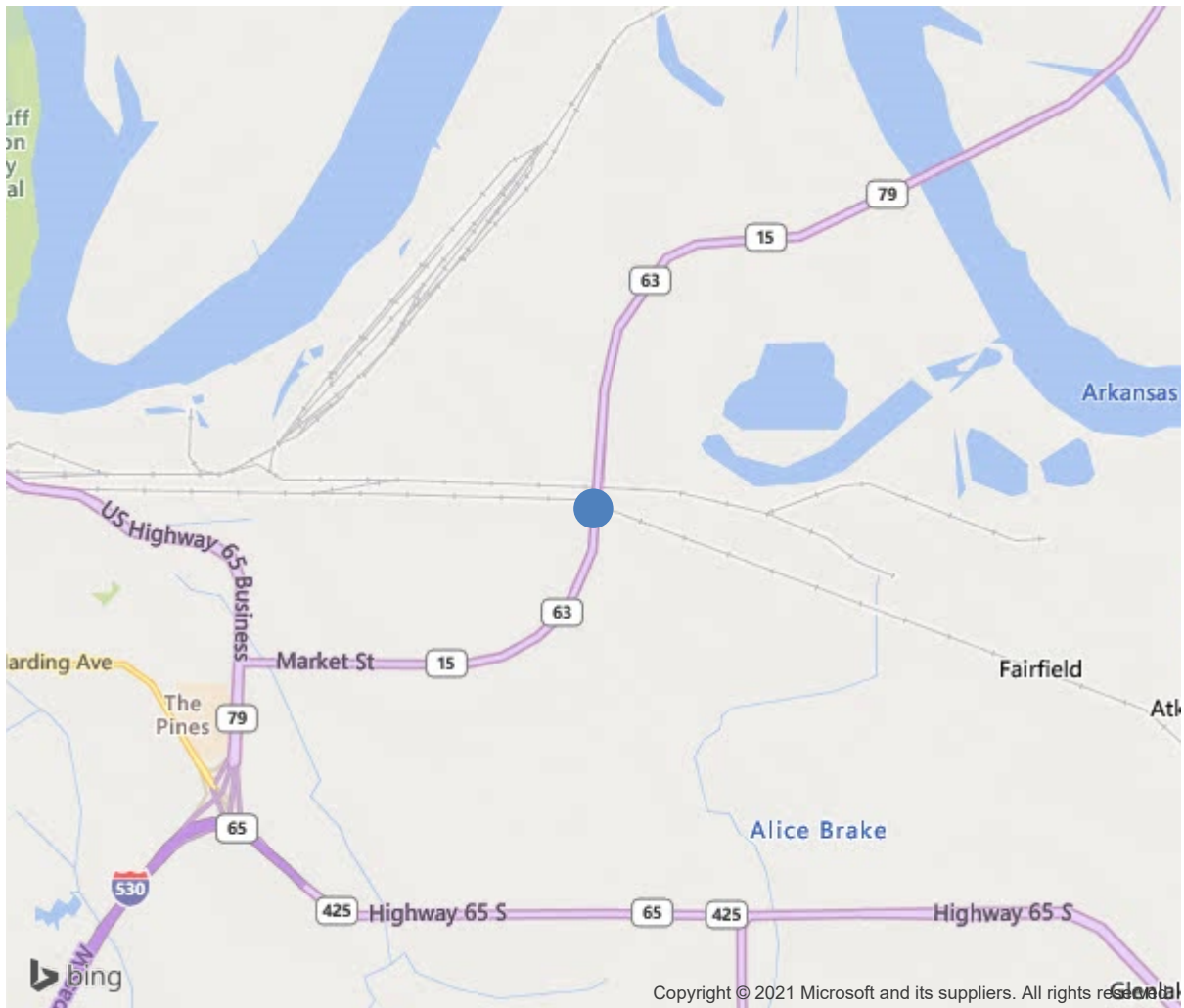
Bridge #06582(Routine)

US 63-13 LM 8.29 over UP & ST. Louis SW RRs

Location: 2.3 Mi E US 65B

Team Lead: Sharon Hooks **Inspection Date:** December 09, 2019

2.3 Mi E US 65B



34.22407, -91.93433



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	06582
(5) Inventory Route	63
(2) Highway Agency District	02
(3) County Code	69-Jefferson County, Arkansas
(4) Place Code	0
(6) Features Intersected	UP & ST. Louis SW RRs
(7) Facility Carried	US 63-13 LM 8.29
(9) Location	2.3 Mi E US 65B
(11) Mile Point	8.29 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.224072
(17) Longitude	-91.934334
(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	8
(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	1998
(106) Year Reconstructed	0
(42) Type of Service	14
On	1-Highway
Under	4-Highway-railroad
(28) Lane	
On	2
Under	2
(29) Average Daily Traffic	5300
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	25 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	170 ft
(49) Structure Length	788 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	42.8 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	17 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	41.3 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	23.92 ft
Ref:	
(55) Min Lat Underclear RT	42 ft
Ref:	
(56) Min Lat Underclear LT	26.4 ft
NAVIGATION DATA	
(38) Navigation Control	N-Not applicable, no waterway.
(111) Pier Protection	5-None present but re-evaluation
(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	6-Rural 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	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	7
(59) Superstructure	7
(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	57
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	8
Rating	34
(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	9
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36) Traffic Safety Features	1001
A) Bridge Railings	1-Inspected feature meets currently a
B) Transitions	0-Inspected feature does not meet cur
C) Approach Guardrail	0-Inspected feature does not meet cur
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	
(114) Future ADT	5700
(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

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ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	33725	27500	6225	0	0
1130	Cracking (RC and Other)	SF	6225	0	6225	0	0
(12)							
Deck: 42.8' wide x 788' long. Scattered, unsealed minor- to moderate-sized transverse and map cracks. Unsealed hairline- to minor-sized longitudinal cracking, mainly running along girders in travel lanes (6225 sqft).							
107	Steel Open Girder/Beam	LF	4316	4315	1	0	0
1020	Connection	LF	1	0	1	0	0
515	Steel Protective Coating	SF	51478	0	51478	0	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	51478	0	51478	0	0
(107)							
Girders: 5 per span / Spans 1-3 (400' total span); 6 per span / Spans 4-5 (126' total span); 6 per span / Spans 6-8 (280' total span). Coating: 15.7 square feet per linear feet of girder - Spans 1-3 (31,400 sqft). 8.4 square feet per linear feet of girder - Spans 4-5 (6,350 sqft). 8.8 square feet per linear feet of girder - Spans 6-8 (13,728 sqft).							
A few, isolated places - stiffeners on right side of Girders 2 & 3 @ Bent 2 - have no oxide film on steel. Span 2 Girder 2 @ Diaphragm 7: Bolts are missing out of bottom connection to diaphragm on right side. All girders are dark brown with some granular texture.							
205	Reinforced Concrete Column	EA	21	21	0	0	0
(205)							
Columns: 3 per bent / Bents 2-8.							
215	Reinforced Concrete Abutment	LF	86	80	6	0	0
1120	Efflorescence/Rust Staining	LF	6	0	6	0	0
(215)							
Abutments: 42' each / Bent 1; 44' each (skewed)/ Bent 9. Bent 1 & 9 both have small vertical cracks in back wall with efflorescence.							
234	Reinforced Concrete Pier Cap	LF	297	297	0	0	0
(234)							
Caps: 40' each / Bents 2 & 3; 41' each / Bent 4; 44' each (skewed) / Bent 5-8.							
303	Assembly Joint with Seal	LF	162	138	24	0	0
2350	Debris Impaction	LF	24	0	24	0	0
(303)							
Joints: 40' each / Bents 1 & 4; 41' each (skewed) / Bents 6 & 9. Some minor debris impaction from loose gravel.							

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Maintenance Needs



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Inspection Comments

Bridge is logged from north to south.