



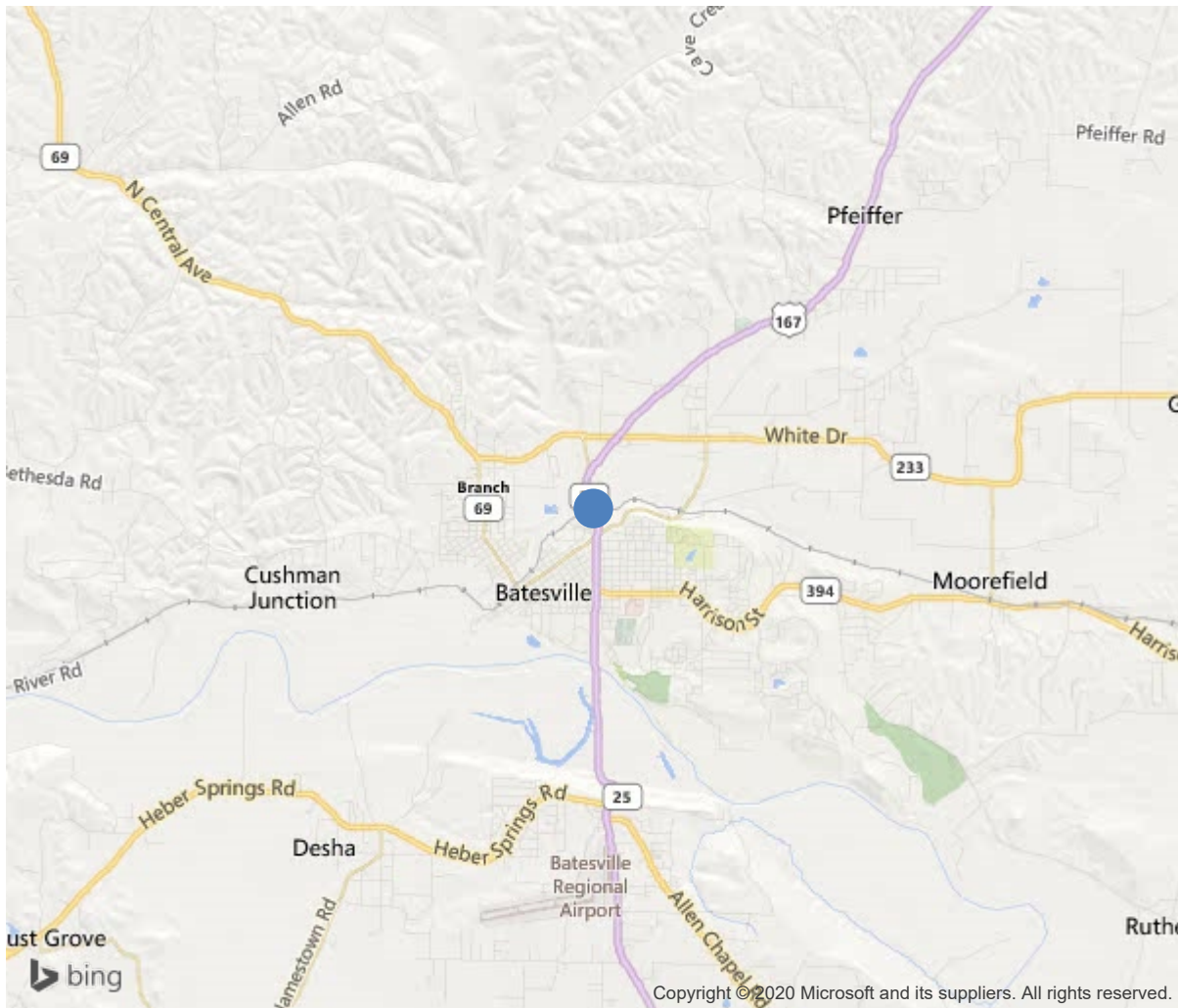
**Bridge #07110(Routine)**

**US 167/Indepen Co. over Mo. & No. Ar. RR**

**Location: .80 Mi N. Jct SH 69**

**Team Lead: Kerry Little Inspection Date: August 15, 2018**

.80 Mi N. Jct SH 69



35.78131, -91.64131



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07110
(5) Inventory Route	167
(2) Highway Agency District	05
(3) County Code	63-Independence County, Arkans
(4) Place Code	3700
(6) Features Intersected	Mo. & No. Ar. RR
(7) Facility Carried	US 167/Indepen Co.
(9) Location	.80 Mi N. Jct SH 69
(11) Mile Point	0.8 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000167180
(16) Latitude	35.78131
(17) Longitude	-91.64131
(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	2010
(106) Year Reconstructed	0
(42) Type of Service	12
On	1-Highway
Under	2-Railroad
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	17747
(30) Year of ADT	2018
(109) Truck ADT	9 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	72 ft
(49) Structure Length	188.3 ft
(50) Curb or Sidewalk Width	
Left	6.5 ft
Right	6.5 ft
(51) Bridge Roadway Width Curb to Curb	56.1 ft
(52) Deck Width Out to Out	58 ft
(32) Approach Roadway Width (W/Shoulders)	58.1 ft
(33) Bridge Median	0-No median
(34) Skew	20 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	70.9 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 ft
(54) Min Vert Underclear	23.25 ft
Ref:	
(55) Min Lat Underclear RT	26.9 ft
Ref:	
(56) Min Lat Underclear LT	0 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	1
(26) Functional Class	14-Urban Other Principal 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	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	8
(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	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	5
(69) Clearances, Vertical/Horizontal	9
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(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	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	21122
(115) Year of Future ADT	2028
INSPECTIONS	
(90) Inspection Date	201808
(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

SUFFICIENCY RATING	94.5
STATUS (SD/FO/None)	Not Deficient

**Team Lead:** Kerry Little, **Inspection Date:** August 15, 2018

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	10921	9047	1454	420	0
1120	Efflorescence/Rust Staining	SF	14	0	14	0	0
1130	Cracking (RC and Other)	SF	1860	0	1440	420	0
(12)							
Unsealed transverse and longitudinal cracks to deck @ all spans.							
Transverse cracking & map cracking to sidewalks and curbs.							
Transverse efflorescent cracking to Right overhang.							
107	Steel Open Girder/Beam	LF	1860	1860	0	0	0
515	Steel Protective Coating	SF	15429	15429	0	0	0
205	Reinforced Concrete Column	EA	8	8	0	0	0
215	Reinforced Concrete Abutment	LF	156	147	9	0	0
1120	Efflorescence/Rust Staining	LF	9	0	9	0	0
(215)							
Vertical efflorescent cracks to Abutments 1 & 2.							
Right wing cracked @ Abutment 2.							
234	Reinforced Concrete Pier Cap	LF	154	154	0	0	0
301	Pourable Joint Seal	LF	336	336	0	0	0
302	Compression Joint Seal	LF	149	149	0	0	0
310	Elastomeric Bearing	EA	40	33	0	7	0
1020	Connection	EA	7	0	0	7	0
(310)							
Anchor bolt nuts missing @ Abutment 2 - Girders 1, 2, 3, 5, 6, 8 & 10.							
331	Reinforced Concrete Bridge Railing	LF	372	297	75	0	0
1130	Cracking (RC and Other)	LF	75	0	75	0	0
(331)							
Vertical cracking to parapet walls.							



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## **Maintenance Needs**



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### **Inspection Comments**

Job 050159Log Mile running North.

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