



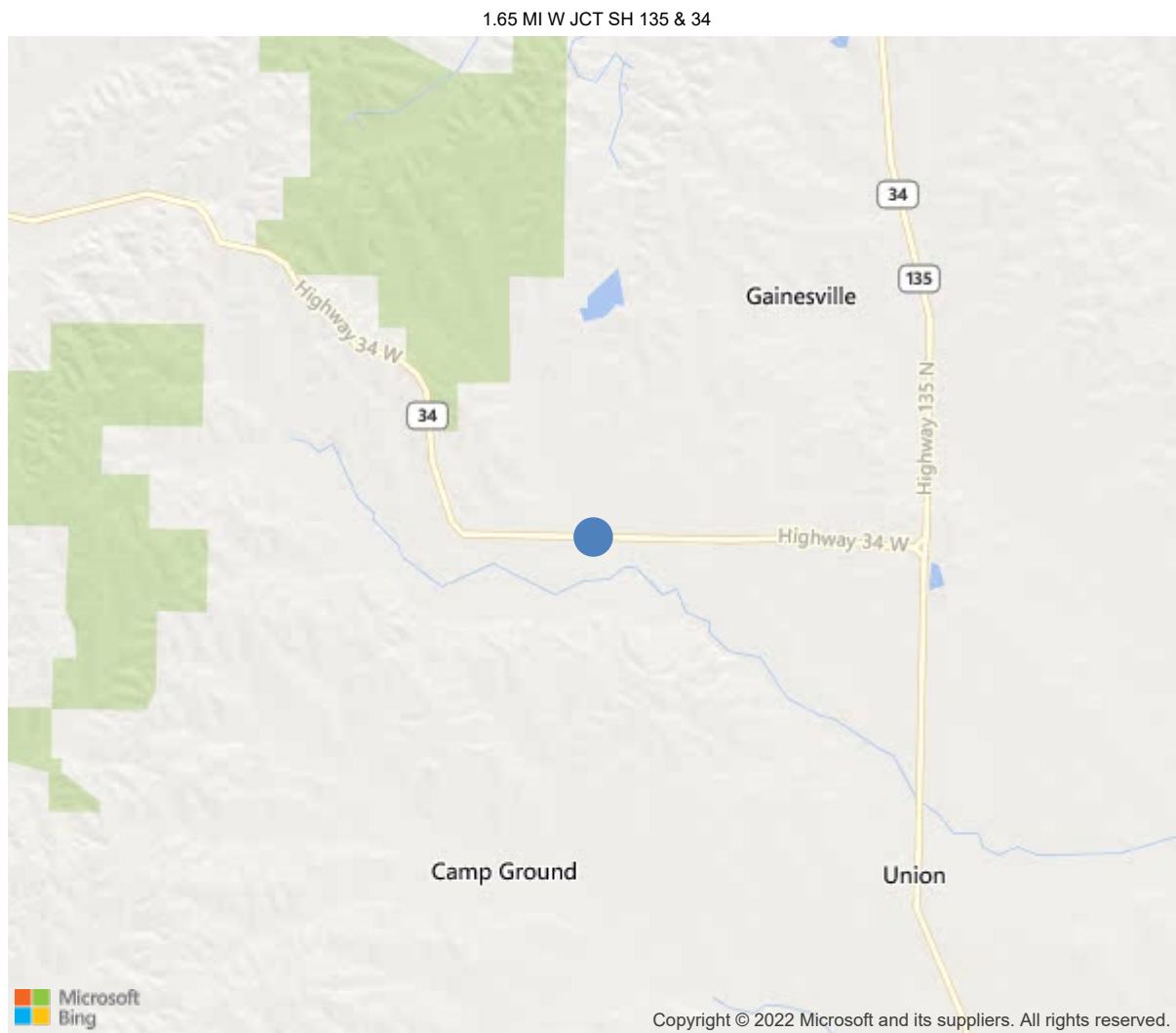
Latitude:36.14556, Longitude:-90.53917

Route:34 Section:03 Log:14.99

Arnold Road ID:28x34x3xA, Arnold Log mile:14.949

District 10, Greene County

Owner: 1-State Highway Agency



36.14556, -90.53917

Inspection Direction : W to E



Bridge #M0775(Routine)
SH 34-03- LM 14.99 over LOCUST CREEK
Location: 1.65 MI W JCT SH 135 & 34

Team Lead: James Adams Inspection Date: December 07, 2020

IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	M0775
(5) Inventory Route	34
(2) Highway Agency District	10
(3) County Code	55-Greene County, Arkansas
(4) Place Code	0
(6) Features Intersected	LOCUST CREEK
(7) Facility Carried	SH 34-03- LM 14.99
(9) Location	1.65 MI W JCT SH 135 & 34
(11) Mile Point	14.99 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	36.1455577214961
(17) Longitude	-90.5391664975219
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	32
Material	3-Steel
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	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	1-Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6-Bituminous
Type of Membrane	0-None
Type of Deck Protection	0-None
AGE AND SERVICE	
(27) Year Built	1951
(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	680
(30) Year of ADT	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	8 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	27 ft
(49) Structure Length	30 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	23.6 ft
(52) Deck Width Out to Out	24.5 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 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	25.3 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	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	7-Rural Major Collector
(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	5
(61) Channel & Channel Protection	5
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0-Other or Unknown
(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	1
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	5
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(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	0-Inspected feature does not meet cur
(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	1178
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			12/2020
(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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Location: 1.65 MI W JCT SH 135 & 34

Team Lead: James Adams, **Inspection Date:** December 07, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	735	667	5	63	0
1080	Delamination/Spall/Patched Area	SF	65	0	5	60	0
1090	Exposed Rebar	SF	3	0	0	3	0
510	Wearing Surfaces	SF	705	579	0	126	0
3220	Crack (Wearing Surface)	SF	126	0	0	126	0
107	Steel Open Girder/Beam	LF	390	319	0	71	0
1000	Corrosion	LF	71	0	0	71	0
515	Steel Protective Coating	SF	1638	0	1422	171	45
3440	Effectiveness (Steel Protective Coatings)	SF	1638	0	1422	171	45
215	Reinforced Concrete Abutment	LF	62	42	18	2	0
1080	Delamination/Spall/Patched Area	LF	4	0	2	2	0
6000	Scour	LF	16	0	16	0	0
228	Timber Pile	EA	5	0	5	0	0
1150	Check/Shake	EA	5	0	5	0	0
330	Metal Bridge Railing	LF	60	55	5	0	0
1020	Connection	LF	5	0	5	0	0
515	Steel Protective Coating	SF	204	204	0	0	0
3440	Effectiveness (Steel Protective Coatings)	SF	204	204	0	0	0



Bridge #M0775(Routine)
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Location: 1.65 MI W JCT SH 135 & 34

Team Lead: James Adams Inspection Date: December 07, 2020

Maintenance Needs

Date Reported: 01/18/2011
Priority: C - Important
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Overhangs and curbs have deterioration and section loss with some rebar exposed.

Remarks



Bridge #M0775(Routine)
SH 34-03- LM 14.99 over LOCUST CREEK
Location: 1.65 MI W JCT SH 135 & 34

Team Lead: James Adams Inspection Date: December 07, 2020

Date Reported: 01/18/2011
Priority: C - Important
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Span 1 Girder 1 & 13 have 1/4 in. section loss to top flange due to leakage thru deck.

Remarks

Date Reported: 01/18/2011
Priority: C - Important

Type of Work: None
Status: Monitor
Component:

Deficiency Description

Bent 1 abutment is undermined for 7' on Lt end up to 1.5' below and 2' back under. Abutment 1 near centerline has 9' undermined up to 1' below and 2' back under.

Remarks



Bent 1 left



Bent 1 right



Bent 1 right 2020

Date Reported: 01/11/2013
Priority: C - Important
Type of Work: None
Status: Monitor
Component:

Deficiency Description

Girders have areas of section loss along edge of concrete diaphragm/encasement over bents 1 and 2.
Bent 1 girders 1, 2, 4, 5, 12, and 13 have up to 1/8" section loss.
Bent 2 girders 9 – 13 have up to 1/8" section loss.

Remarks



Bent 2 Girder 12



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Team Lead: James Adams Inspection Date: December 07, 2020

Date Reported: 12/07/2020

Priority: D- Routine

Type of Work: Repair

Status: Open

Component:

Deficiency Description

Southwest flareboard & log posting signs missing.
Northwest flareboard is leaning due to roadway embankment erosion.

Remarks



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Location: 1.65 MI W JCT SH 135 & 34

Team Lead: James Adams Inspection Date: December 07, 2020

Date Reported: 12/07/2020
Priority: G - General/ Preventive maintenance
Type of Work: Clean
Status: Open
Component:

Deficiency Description

Bent 2 girders 1 & 13 have buildup of asphalt on ends of girders.

Remarks



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Location: 1.65 MI W JCT SH 135 & 34

Team Lead: James Adams Inspection Date: December 07, 2020

Inspection Comments

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Deck Notes

Southwest flareboard & log posting signs missing.
Northwest flareboard is leaning due to roadway embankment erosion.
Bridge rails have 5 loose posts.
Approach roadway has settlement in right lane at bent 2 end has been repaired with asphalt.
Asphalt overlay has transverse and longitudinal cracks.
Overhangs and curbs have deterioration and section loss with some exposed rebar.
Soffit has a few honeycombed areas.

Superstructure Notes

Girders have surface rust with some minor pitting on bottom flange.
Outside webs of girders 1 & 13 (outside girders) have areas of surface rust due to drains in curbs.
Girders 1 and 13 have some section loss along top flange due to leakage thru deck.
Several girders have a few bowed areas on bottom flange.
Several girders have areas of section loss along edge of concrete diaphragm/encasement over bents 1 and 2.
Bent 1 girders 1, 2, 4, 5, 12, and 13 have up to 1/8" section loss. Bent 2 girders 9 – 13 have up to 1/8" section loss, especially near bottom web & to bottom flange.
Bent 2 girders 1 & 13 have buildup of asphalt on ends of girders.

Substructure Notes

Concrete abutments have a few vertical cracks under girders and a few honeycombed areas.
Bent 1 abutment is undermined for 7 ft. on left end up to 1.5 ft. below and 2 ft. back under.
Asphalt and rip rap have been placed on slope behind abutment at Bent 1 left end, repair has some minor undermining.
Abutment 1 near centerline has 9 ft. undermined up to 1 ft. below and 2 ft. back under.
Bent 2 abutment is undermined up to 2 ft. below abutment for entire length, but has riprap in place on slope in front of abutment.
Bent 2 exposed timber piles have minor checks.