

## Bridge 03386 Inspection Report



Latitude:34.31660, Longitude:-91.28327

Route:1 Section:05 Log:2.96

Arnold Road ID:1x1x5xA, Arnold Log mile:2.961

District 02, 1 - Arkansas County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

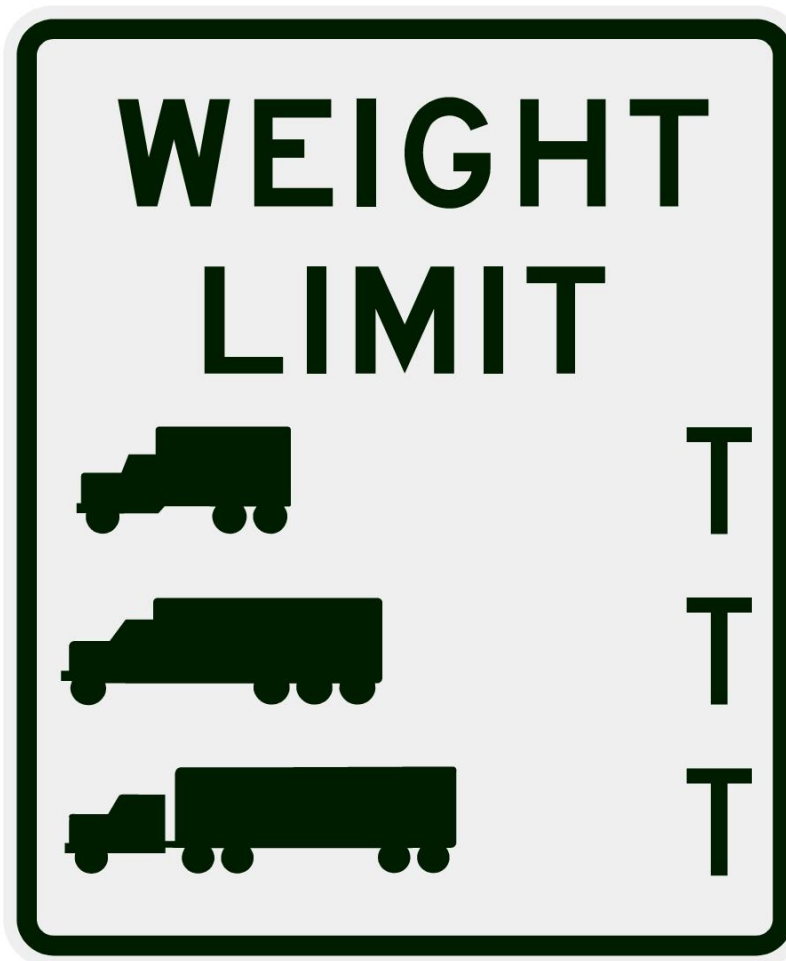
### Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

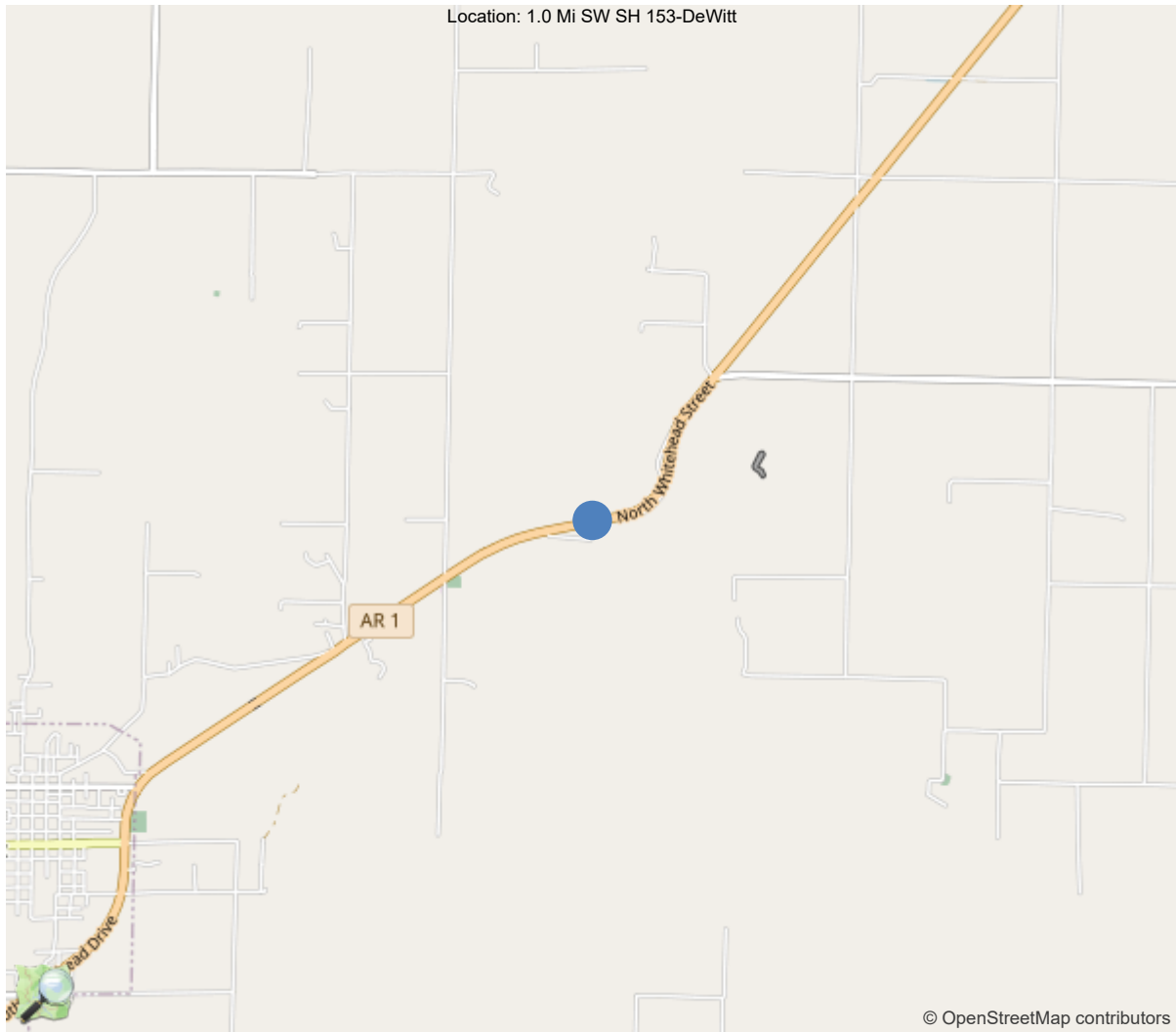
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	60		

If calculated capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner.



30"x36" AR



34.31660, -91.28327

## National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	03386
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	1 - Arkansas County
(4) Place Code	0
(6) Features Intersected	Lagrue Bayou-Arkansas Co
(7) Facility Carried	SH 1-05 LM 2.96
(9) Location	1.0 Mi SW SH 153-DeWitt
(11) Mile Point	2.96 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000001050
(16) Latitude	34.3166046374452
(17) Longitude	-91.2832738173008
(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	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	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1962
(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	2000
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	30 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	45 ft
(49) Structure Length	362.1 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	28 ft
(52) Deck Width Out to Out	33.5 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	27.9 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 w
(111) Pier Protection	5 - None present but re-evalua
(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 -
(100) Defense Highway	0 - The inventory route is not
(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 par
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	5
(59) Superstructure	7
(60) Substructure	5
(61) Channel & Channel Protection	7
(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	
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	
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - Bridge foundations determined t
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	1946
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			07/01/2025
(91) Frequency			24
(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.			

Team Lead: Greg Loomis, Inspection Date: 07/01/2025

### Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	03386
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1962

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	1 - Arkansas County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	02 - District 02
B.L.05 Latitude	34.3166046374452
B.L.06 Longitude	-91.2832738173008
B.L.07 Border Bridge Number	
B.L.08 Border Bridge State or Country Code	
B.L.09 Border Bridge Insp. Resp.	
B.L.10 Border Bridge Designated Lead State	
B.L.11 Bridge Location	1.0 Mi SW SH 153-DeWitt
B.L.12 Metropolitan Planning Organization	

CLASSIFICATION	
B.CL.01 Owner	S01 - State transportation departme
B.CL.02 Maint. Responsibility	S01 - State transportation departme
B.CL.03 Federal or Tribal Land Access	N - Not Applicable
B.CL.04 Historic Significance	N - Bridge is not eligible for the
B.CL.05 Toll	N - Bridge does not carry a toll ro
B.CL.06 Emergency Evacuation Designation	

ROADSIDE HARDWARE	
B.RH.01A Bridge Railing Type	
B.RH.01B Bridge Railing Year (YY)	
B.RH.01C Bridge Railing Test Level	
B.RH.02A Transition Type	
B.RH.02B Transition Year (YY)	
B.RH.02C Transition Test Level	

BRIDGE GEOMETRY	
B.G.01 NBIS Bridge Length	357.5
B.G.02 Total Bridge Length	362.2
B.G.03 Max Span Length	44.9
B.G.04 Min Span Length	45
B.G.05 Bridge Width Out-to-Out	33.5
B.G.06 Bridge Width Curb-to-Curb	27.9
B.G.07 Left Curb or Sidewalk Width	1.6
B.G.08 Right Curb or Sidewalk Width	1.6
B.G.09 Approach Roadway Width	34.1

B.G.10 Bridge Median	0 - No median
B.G.11 Skew	0
B.G.12 Curved Bridge	N - Not curved
B.G.13 Max Bridge Height	
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	12133.699999999999

LOADS AND LOAD RATING	
B.LR.01 Design Load	HS20 - HS-20
B.LR.02 Design Method	
B.LR.03 Load Rating Date	
B.LR.04 Load Rating Method	LFR - Load Factor Rating
B.LR.05 Inventory Load Rating Factor	1
B.LR.06 Operating Load Rating Factor	1.67
B.LR.07 Controlling Legal Load Rating Factor	
B.LR.08 Routine Permit Loads	

INSPECTION REQUIREMENTS	
B.IR.01 NSTM Inspection Required	N - NSTM inspection not required.
B.IR.02 Fatigue Details	Y - E/E' details are present
B.IR.03 UW Inspection Required	N - Underwater inspection not requi
B.IR.04 Complex Feature	N - Bridge does not have complex fe

COMPONENT CONDITION RATINGS	
B.C.01 Deck Condition Rating	6 - SATISFACTORY - Widespread
B.C.02 Superstructure Condition	7 - GOOD - Some minor defects.
B.C.03 Substructure Condition	5 - FAIR - Some moderate defec
B.C.04 Culvert Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	7 - GOOD - Some minor defects.
B.C.06 Bridge Railing Transitions Condition	5 - FAIR - Some moderate defec
B.C.07 Bridge Bearings Cond.	7 - GOOD - Some minor defects.
B.C.08 Bridge Joints Condition	6 - SATISFACTORY - Widespread
B.C.09 Channel Condition Rating	7 - GOOD - Some minor defects.
B.C.10 Channel Protection Condition	N - NOT APPLICABLE - Bridge do
B.C.11 Scour Condition Rating	8 - Insignificant scour.
B.C.12 Bridge Condition Classification	F - Fair
B.C.13 Lowest Condition Rating	5 - FAIR - Some moderate defec
B.C.14 NSTM Insp. Condition	
B.C.15 UW Inspection Condition	

APPRAISAL	
B.AP.01 Approach Roadway Alignment	G - Good
B.AP.02 Overtopping Likelihood	1 - Remote - once every 100 years o
B.AP.03 Scour Vulnerability	0 - Scour appraisal has not been co
B.AP.04 Scour Plan of Action	0 - A scour POA is not required.
B.AP.05 Seismic Vulnerability	0 - Seismic evaluation not complete

Team Lead: Greg Loomis, Inspection Date: 07/01/2025

SPAN SETS			
<b>M1</b>			
B.SP.02 # of Spans	8	B.SP.08 Deck Interaction	CU - Composite - unshored cons
B.SP.03 # of Beam Lines	5	B.SP.09 Deck Material and Type	C01 - Reinforced concrete - ca
B.SP.04 Span Material	S01 - Steel - rolled	B.SP.10 Wearing Surface	B01 - Bituminous (asphalt)
B.SP.05 Span Continuity	1 - Simple or single span	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	G02 - Girder/beam - I-shaped s	B.SP.12 Deck Reinforcing Protective System	0 - None
B.SP.07 Span Protective System	C01 - Coating - paint	B.SP.13 Deck Stay-In-Place Forms	0 - None

SUBSTRUCTURE SETS			
<b>A1</b>			
B.SB.02 No. of Substructure Units	2	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	PX - Pile - other
B.SB.04 Substructure Type	A02 - Abutment - stub	B.SB.07 Foundation Protective System	0 - None
<b>P1</b>			
B.SB.02 No. of Substructure Units	7	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	PX - Pile - other
B.SB.04 Substructure Type	B03 - Bent - pile	B.SB.07 Foundation Protective System	0 - None

HIGHWAY FEATURES			
<b>H1</b>			
B.F.02 Feature Location	C - Carried on bridge	B.H.09 Annual ADT	2000
B.F.03 Feature Name	SH 1-05 LM 2.96	B.H.10 Annual ADTT	20
B.H.01 Functional Classification	3 - Principal Arterial - Other	B.H.11 Year of Annual ADT	2018
B.H.02 Urban Code	99999	B.H.12 Highway Max Usable Vertical Clearance	99.9
B.H.03 NHS Designation	Y - NHS	B.H.13 Highway Min Vertical Clearance	99.9
B.H.04 National Highway Freight Network	1-T - TEMP - NHFN - 1 or 2 or	B.H.14 Highway Min Horizontal Clearance, Left	
B.H.05 STRAHNET Designation	N - Not a STRAHNET route	B.H.15 Highway Min Horizontal Clearance, Right	
B.H.06 LRS Route ID	1050	B.H.16 Highway Max Usable Surface Width	27.8
B.H.07 LRS Mile Point	2.96	B.H.17 Bypass Detour Length	30
B.H.08 Lanes On Highway	2	B.H.18 Crossing Bridge Number	

HIGHWAY ROUTES					
Highway Parent	B.RT.01 Route Designation	B.RT.02 Route Number	B.RT.03 Route Direction	B.RT.04 Route Type	B.RT.05 Service Type
H1	R01	1	2-T - TEMP - Two-way traffic - NS or EW	3 - State route	1 - Mainline



Team Lead: Greg Loomis, Inspection Date: 07/01/2025

## WATERWAY FEATURES

W1			
B.F.02 Feature Location	B - Below bridge	B.N.03 Movable Bridge Max Navigation Vertical Clearance	
B.F.03 Feature Name	Lagru Bayou	B.N.04 Navigation Channel Width	
B.N.01 Navigable Waterway	N - Not navigable waters	B.N.05 Navigation Channel Min Horizontal Clearance	
B.N.02 Navigation Min Vertical Clearance		B.N.06 Substructure Navigation Protection	

## POSTING STATUS DATA

B.PS.01 Load Posting Status	B.PS.02 Posting Status Change Date
PO - Permanent - Open	

## LOAD EVALUATION AND POSTING

B.EP.01 Legal Load Configuration	B.EP.02 Legal Load Rating Factor	B.EP.03 Posting Type	B.EP.04 Posting Value
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## Inspection Notes

### General Observation

Bridge is logged from south to north (southwest to northeast).

Inspection of this structure can be performed by foot - a ladder may be used for closer access to some overhead elements. Normal water level requires use of waders - a boat may be required during high-water.

Underwater type 2 inspections:

Soundings taken from bank-to-bank every 24-months per Scour Critical memo on file.

Full-channel soundings taken every 60-months - last taken 07/01/2025 / next due 06/25/2030.

NOTE: Bridge removed from Scour Critical List on July 1, 2013 per memo on file.

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**58 - Deck** (5 - FAIR CONDITION - all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.)

Deck is in satisfactory condition with some spalls, exposed rebar, efflorescence, and cracking on undersurface.

Wearing surface covers top surface of deck, but has several spalls (potholes), some which go through into concrete deck.

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**59 - Superstructure** (7 - GOOD CONDITION - some minor problems.)

Superstructure is in good condition with a few areas of corrosion, especially at haunches, and a couples areas of peeling paint.

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**60 - Substructure** (5 - FAIR CONDITION - all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.)

Substructure is in fair condition with one area of delamination on abutments, some delamination/spalling/exposed rebar/efflorescence/cracking on caps, some abrasion/wear on piling, and some erosion on end-slopes.

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**61 - Channel/Channel Protection** (7 - Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift.)  
Channel is in good condition - well vegetated with some minor erosion on end-slopes.

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**A-57 - Girder End and Bearing Painting Needed** (Y)

Girders -

Some peeling paint with some light rust near haunch areas.

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**A-59 - Joint Repair Needed** (Y)

Joints -

All joints are impacted with debris due to asphalt seal/overlays.

Any visible joint armor is pitting and flaking.

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**A-64 - Vegetation Removal Requested** (Y)

End-slope/channel - all spans: Some small trees, bushes, vines, tall grass/weeds, and other vegetation growing up under bridge.

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**Asset #03386**(Routine, Underwater type 2)  
**SH 1-05 LM 2.96 over Lagrue Bayou-Arkansas Co**  
**Location: 1.0 Mi SW SH 153-DeWitt**  
**Team Lead: Greg Loomis Inspection Date: 07/01/2025**

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**A-65 - Clogged deck drains? (Y)**

Gutter-lines - both sides: 2-6" build-up of gravel and debris throughout full-length of bridge, restricting stormwater from flowing off bridge.

Approach gutters also have build-up and heavy growth of grass, further restricting stormwater from flowing off bridge.

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**B.IR.02 - Fatigue Prone Details (Y)**

All spans: Cover plates on bottom flanges of girders.

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**A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (8 - Insignificant scour.)**

Scour condition is good with minor erosion on end-slopes.

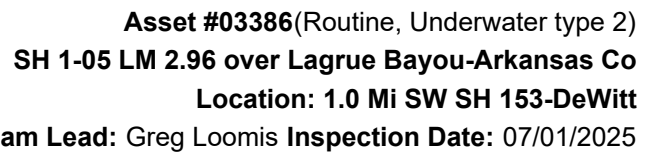
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**Asset #03386**(Routine, Underwater type 2)  
**SH 1-05 LM 2.96 over Lagrue Bayou-Arkansas Co**  
**Location: 1.0 Mi SW SH 153-DeWitt**  
**Team Lead: Greg Loomis Inspection Date: 07/01/2025**

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Bent 9: Small delamination on back wall near Girder 3. 1 LF CS2 Delamination							
End-slopes - Bents 1 & 9: Some erosion/washing of slope material, especially at Bent 1. 7 LF CS2 Scour, 8 LF CS3 Scour							
227	Reinforced Concrete Pile	EA	35	25	10	0	0
1190	Abrasion/Wear (PSC/RC)	EA	10	0	10	0	0
(227) Piling: Bents 2-8 / 5 per bent = 35 pile total.							
Bents 5-6: Some minor abrasion. 10 EA CS2 Abrasion/Wear							
234	Reinforced Concrete Pier Cap	LF	196	108	30	56	2
1080	Delamination/Spall/Patched Area	LF	21	0	21	0	0
1090	Exposed Rebar	LF	32	0	2	28	2
1120	Efflorescence/Rust Staining	LF	12	0	0	12	0
1130	Cracking (RC and Other)	LF	23	0	7	16	0
(234) Caps: Bents 2-8 / 28' each = 196 LF total.							
Bents 2-7: Some scattered areas of delamination/spall and cracking with efflorescence on ahead, back, and bottom faces of caps. Some corrosion and section loss on exposed steel, especially at Bent 4 right (up to 100% on a couple of bars). 21 LF CS2 Delamination/Spall, 2 LF CS2 Exposed Rebar, 28 LF CS3 Exposed Rebar, 2 LF CS4 Exposed Rebar, 12 LF CS3 Efflorescence, 7 LF CS2 Cracking, 16 LF CS3 Cracking							
NOTE: Spalling of several caps have been repaired/patched by state maintenance forces.							
303	Assembly Joint with Seal	LF	252	0	0	252	0
2350	Debris Impaction	LF	252	0	0	252	0
(303) Joints: Bents 1-9 / 27'-11" = 28' each = 252 LF total.							
All joints are CS3 impacted with debris due to asphalt seal/overlays. 252 LF CS3 Debris Impaction Any visible joint armor is pitting and flaking.							
311	Movable Bearing	EA	40	0	40	0	0
1000	Corrosion	EA	40	0	40	0	0
515	Steel Protective Coating	SF	40	0	0	40	0
3440	Effectiveness (Steel Protective Coatings)	SF	40	0	0	40	0
(311) Movable bearings: Bents 2b, 3b, 4b, 5b, 5a, 6a, 7a, & 8a / 5 per bent = 40 bearings total. Coating/paint: 1 square foot each = 40 SF total.							
Some light surface rust beginning, mainly on masonry plate. 40 EA CS2 Corrosion, 40 SF CS3 Effectiveness (Coating)							
NOTE: Spalling of Bent 5 cap - back side under masonry plate has been repaired by state maintenance forces.							
313	Fixed Bearing	EA	40	0	40	0	0
1000	Corrosion	EA	40	0	40	0	0
515	Steel Protective Coating	SF	40	0	0	40	0



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
3440	Effectiveness (Steel Protective Coatings)	SF	40	0	0	40	0
(313) Fixed bearings: Bents 1, 2a, 3a, 4a, 6b, 7b, 8b, & 9 / 5 per bent = 40 bearings total. Coating/paint: 1 square foot each = 40 SF total.  Some light surface rust beginning, mainly on masonry plate. 40 EA CS2 Corrosion, 40 SF CS3 Effectiveness (Coating)							
330	Metal Bridge Railing	LF	724	699	25	0	0
1000	Corrosion	LF	25	0	25	0	0
515	Steel Protective Coating	SF	1810	1747	0	63	0
3440	Effectiveness (Steel Protective Coatings)	SF	63	0	0	63	0
(330) Railing: 362' each side = 724 LF total. Coating: 2.5 square feet per linear foot of railing = 1,810 SF total. Metal railing with concrete posts.  Span 2 right from 1/3-end of span: Some light scattered freckled rust. 25 LF CS2 Corrosion, 63 SF CS3 Effectiveness (Coating)  Note: Some repairs have been made to concrete posts. Minor collision damage to railing at various locations.							

## Inspection Photos and Notes



Elevation - Right side view



Roadway view



Deck - Spans 1-8: Overview



Undersurface - Span 2: Overview



Undersurface - Span 6: Overview



Channel - Left side view



Channel - Right side view



End-slope - Span 8: Vegetation



Gutterline - left side: Debris build-up



Approach gutter - left side: Debris build-up



Gutter-line - left side: Filled with debris, restricting storm water runoff



Span 8 vegetation growing under bridge



06/27/2023

Bent 3 girder 1 rust near haunch area



06/27/2023

Vegetation under bridge

### Maintenance Needs

**Date Reported:** 07/01/2025

**Priority:** B - Pressing

**Type of Work:** Deck Repair

**Status:** Open

**Component:** Deck

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### Deficiency Description

Wearing surface/deck -

Some moderate- to large-sized transverse cracking at bents/joints with some scattered spalls (potholes) - several of these spalls continue through to concrete deck.

### Remarks

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07/01/2025

Wearing surface / Deck - Spans 1-8: Overview

NOTE: Scattered spalling (potholes) - some go through into concrete deck

### Maintenance Needs

**Date Reported:** 06/29/2015

**Priority:** D- Routine

**Type of Work:** Substructure Repair

**Status:** Open

**Component:** Substructure

### Deficiency Description

Caps – Bents 2-7: Some scattered delaminations and spalls on ahead and back faces and bottoms of caps. Some rusting and section loss to exposed steel, especially at Bent 4 right (up to 100% on a couple of bars).

### Remarks



Cap - Bent 6 right: Exposed Rebar



Cap - Bent 4 right



Caps - Bents 4-6 right



Bent 4 bottom of cap right side has spall with exposed rebar with up to 100% section loss.

### Maintenance Needs

**Date Reported:** 06/29/2015

**Priority:** D- Routine

**Type of Work:** Deck Repair

**Status:** Open

**Component:** Deck

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### Deficiency Description

Undersurface of deck – various locations: A few scattered small spalls with some steel exposed (little or no section loss).

### Remarks

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Undersurface - Span 6: Overview

NOTE: Spall with exposed rebar in Bay 4 near Bent 7.

### Maintenance Needs

**Date Reported:** 06/28/2017

**Priority:** D- Routine

**Status:** Open

**Type of Work:** Approach Leveling/Maintenance

**Component:** Approach

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### Deficiency Description

End/side-slopes - Bents 1 & 9 left & right: Fill material on corners of bridge is sliding/eroding, resulting in gaps and holes in slope and drops-offs.

NOTE: Heavy vegetation growth makes holes and drop-offs difficult to see and condition could be hazardous to persons working in the area.

### Remarks

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Small washout on right side of approach but on both sides and ends of bridge .



Moderate sized trees and vegetation growing on end slope of bridges near bent 9 right side up common on slope on all ends of bridge .



Roadway slope - Bent 9 right: Erosion/slope slumping

### Maintenance Needs

**Date Reported:** 06/28/2017

**Priority:** D- Routine

**Type of Work:** Approach Leveling/Maintenance

**Status:** Open

**Component:** Approach

### Deficiency Description

End-slopes - Bents 1 & 9: Some erosion/washing of slope material, especially at Bent 1.

### Remarks



End-slope - Bent 1: Erosion



Overview - Bent 9



Abutment - Bent 1 right : Erosion



Abutment 1 end slope has moderate to heavy scour exposing bottom of cap.

### Maintenance Needs

**Date Reported:** 06/28/2017

**Priority:** D- Routine

**Type of Work:** Approach Leveling/Maintenance

**Status:** Open

**Component:** Approach

### Deficiency Description

Approach railing transitions - Bents 1 & 9: Concrete transition posts/railing is deteriorating with cracking/scaling/spalling of the surface of the posts/railing.

### Remarks

David: repair as time permits



Approach railing transition - Bent 9 left: Cracking/scaling



Approach railing transition - Bent 9 right: Scaling



Concrete guard rail end post has efflorescence and has small spalls with delams .



## Routine Maintenance

### Check Box Maintenance Items

Type of Maintenance	Is Recommended?
A-54 - Sealable Deck Cracks	No
A-55 - Deck Washing Needed	No
A-56 - Joint Cleaning/Flushing Needed	No
A-57 - Beam End and Bearing Paint Needed	Yes
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	Yes
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	No
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	Yes
A-65 - Clogged deck drains?	Yes
A-66 - Approach minor pothole/leveling needed	No

**A-54 - Sealable Deck Cracks (No)**

**A-55 - Deck Washing Needed (No)**

**A-56 - Joint Cleaning/Flushing Needed (No)**

**A-57 - Girder End and Bearing Painting Needed (Yes)**

Girders -

Some peeling paint with some light rust near haunch areas.



Bent 3 girder 1 rust near haunch area

**A-58 - Cap Cleaning/Flushing Needed (No)**

**A-59 - Joint Repair Needed (Yes)**

Joints -

All joints are impacted with debris due to asphalt seal/overlays.  
Any visible joint armor is pitting and flaking.

**A-60 - Full Girder Painting Needed (No)**

**A-61 - Polymer Overlay Advised (No)**

**A-62 - Hydro and LMC Advised (No)**

**A-63 - Missing/Incorrect Log Mile Signage (No)**

**A-64 - Vegetation Removal Requested (Yes)**

End-slope/channel - all spans: Some small trees, bushes, vines, tall grass/weeds, and other vegetation growing up under bridge.



End-slope - Span 8: Vegetation



Span 8 vegetation growing under bridge



Vegetation under bridge

**A-65 - Clogged deck drains? (Yes)**

Gutter-lines - both sides: 2-6" build-up of gravel and debris throughout full-length of bridge, restricting stormwater from flowing off bridge.

Approach gutters also have build-up and heavy growth of grass, further restricting stormwater from flowing off bridge.



Gutterline - left side: Debris build-up



Approach gutter - left side: Debris build-up



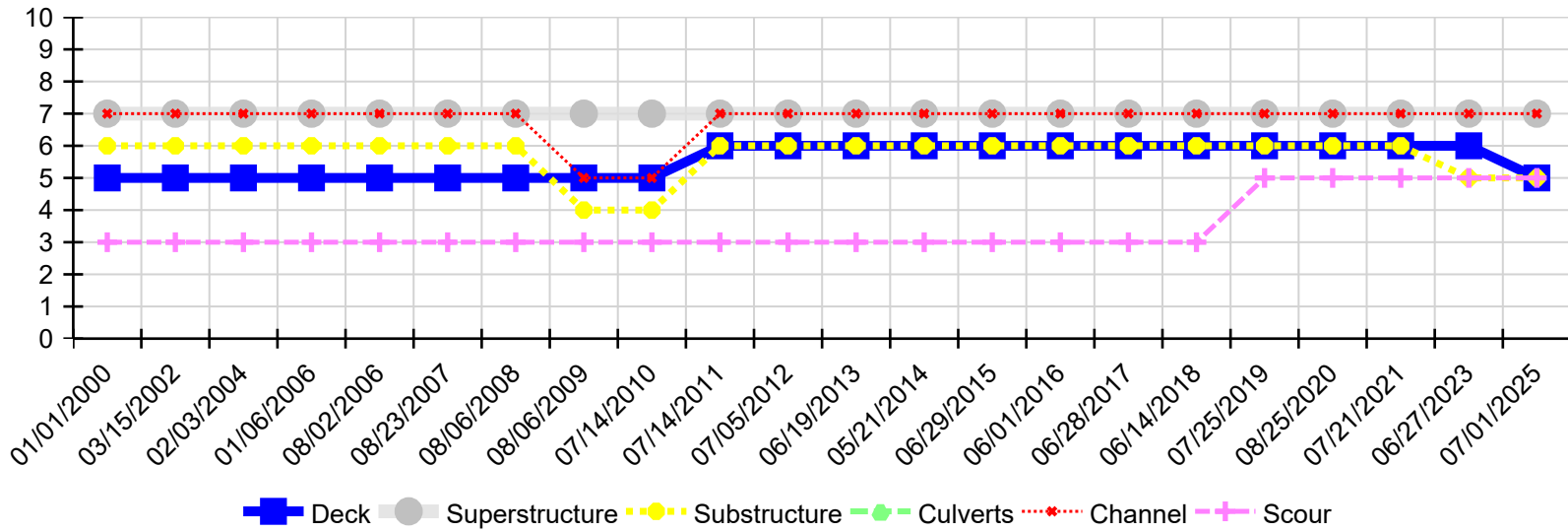
Gutter-line - left side: Filled with debris, restricting storm water runoff

**A-66 - Approach minor pothole/leveling needed (No)**



Asset #03386(Routine, Underwater type 2)  
SH 1-05 LM 2.96 over Lagrue Bayou-Arkansas Co  
Location: 1.0 Mi SW SH 153-DeWitt  
Team Lead: Greg Loomis Inspection Date: 07/01/2025

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
07/01/2025	5	7	5	N	7	5
06/27/2023	6	7	5	N	7	5
07/21/2021	6	7	6	N	7	5
08/25/2020	6	7	6	N	7	5
07/25/2019	6	7	6	N	7	5
06/14/2018	6	7	6	N	7	3
06/28/2017	6	7	6	N	7	3
06/01/2016	6	7	6	N	7	3
06/29/2015	6	7	6	N	7	3
05/21/2014	6	7	6	N	7	3
06/19/2013	6	7	6	N	7	3
07/05/2012	6	7	6	N	7	3
07/14/2011	6	7	6	N	7	3
07/14/2010	5	7	4	N	5	3
08/06/2009	5	7	4	N	5	3
08/06/2008	5	7	6	N	7	3
08/23/2007	5	7	6	N	7	3
08/02/2006	5	7	6	N	7	3
01/06/2006	5	7	6	N	7	3
02/03/2004	5	7	6	N	7	3
03/15/2002	5	7	6	N	7	3
01/01/2000	5	7	6	N	7	3

## Channel Soundings - Data

All distances are in feet and measured from beginning of bridge (Bent 1).

All sounding are in tenths of foot and measured from top of curb.

Left side is upstream. Channel has an approximate 25° left-forward skew to structure.

**Critical - If the bottom of the channel drops to elevation 135 or 42 feet below the curb.**

6/14/2018				8/25/2020				7/21/2021				6/27/2023				7/1/2025				Water Level (7/1/2025)
Distance	Left Side	Distance	Right Side	Distance	Left Side	Distance	Right Side	Distance	Left Side	Distance	Right Side	Distance	Left Side	Distance	Right Side	Distance	Left Side	Distance	Right Side	
180	26.4	180	29.8	0	3.4	0	4.2	0		0		0	3.1	0	4.0	2	3.1	2	4.1	29.1
203	34.2	202.5	35.1	45	21.8	45	20.9	180	27.0	180	31.5	45	21.4	45	20.3	23	12.0	23	13.6	
225	32.1	225	31.0	90	23.4	90	22.9	203	34.7	203	36.3	90	23.7	90	23.0	45	21.3	45	21.0	
248	27.0	247.5	25.4	135	23.4	135	23.9	225	35.7	225	31.3	135	23.1	135	23.7	68	23.8	68	23.3	
270	25.6	270	24.5	180	26.0	180	30.5	248	28.3	248	26.4	180	26.0	180	29.7	90	23.7	90	23.2	
				196	30.5	196	35.0	270	26.3	270	25.7	203	33.5	203	35.4	113	23.4	113	23.4	
				208	35.5	225	30.5	360		360		225	31.2	225	30.4	135	23.1	135	24.0	
				225	31.4	303	24.4					248	25.0	248	24.6	158	25.8	158	25.7	
				270	25.3	315	21.8					270	26.9	270	24.7	180	25.7	180	30.4	
				303	25.1	360	5					315	19.3	315	21.7	202.5	33.7	202.5	36.0	
				315	18.9							360	4.2	360	5.2	225	32.9	225	30.1	
				360	4.4											247.5	25.7	247.5	25	
																270.0	25.3	270.0	24.4	
																292.5	24.6	292.5	24.1	
																315.0	19.6	315.0	20.2	
																337.5	12.3	337.5	12.3	
																360.0	4.2	360.0	4.8	29.1

**Remarks:**

07-25-2019 GGL-KLR: Soundings recorded at bents only. High water and flow - accuracy at deepest part of channel may be questionable.

06-14-2018 GGL-KLR: Soundings recorded from bank to bank only. Low water, and there was no evidence of scouring or damage to riprap.

06-19-2013 SDH/RHB soundings recorded from bank to bank only. Low water, and there was no evidence of scouring or damage to riprap.

07-05-2012 GGL-GLM: Sounding record from bank to bank only. Low water - no evidence of scouring or damage to riprap.

07-14-2011 GGL-GLM: Sounding record at bents only. Low water - no evidence of scouring or damage to riprap.

### BRIDGE INSPECTION REPORT -- FORM III

Insp. by: GGL/CAS

Date: 07/01/2025

District: 2 County: 01 Arkansas

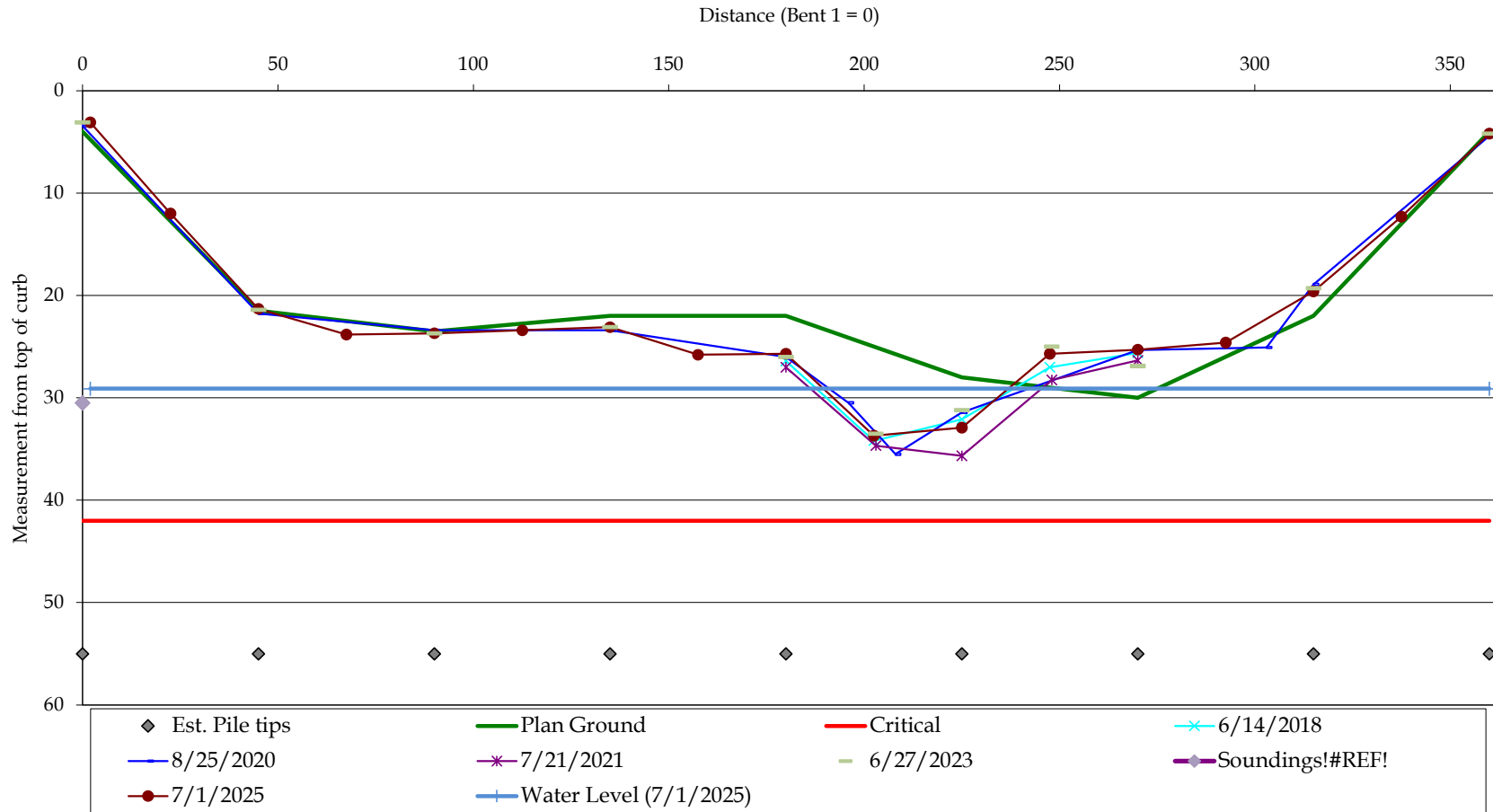
Route: 1

Section 5

Log Mile: 2.96

Bridge: 03386

# Channel Soundings - Left Side



## BRIDGE INSPECTION REPORT -- FORM III

Insp. by: GGL/CAS

Date: 07/01/2025

District: 2

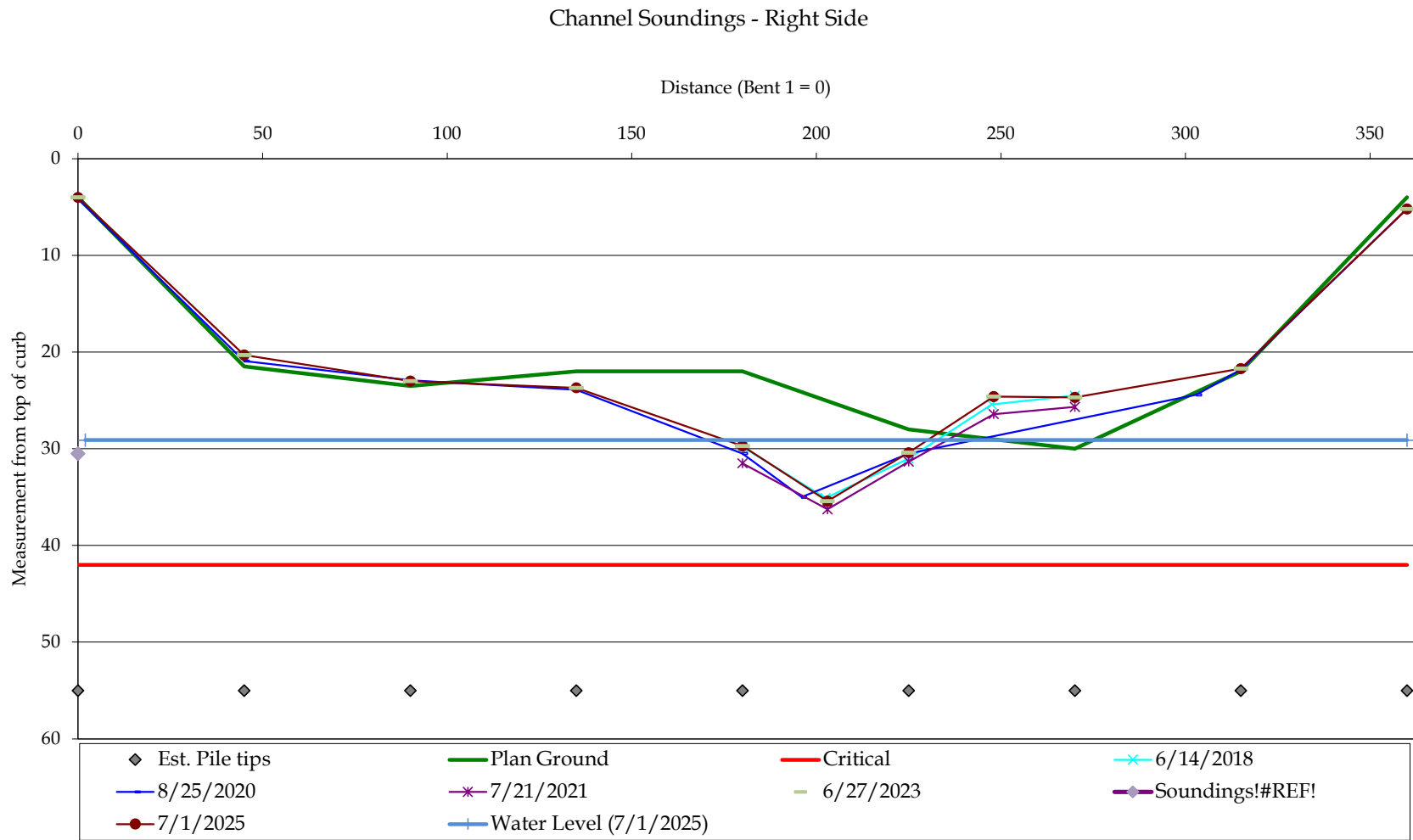
County: 01 Arkansas

Route: 1

Section 5

Log Mile: 2.96

Bridge: 03386



**BRIDGE INSPECTION REPORT -- FORM III**

Insp. by: GGL/CAS

Date: 07/01/2025

District: 2

County: 01 Arkansas

Route: 1

Section 5

Log Mile: 2.96

Bridge: 03386