



Latitude:35.75888, Longitude:-90.36680

Route:856 Section:00 Log:0.57

Arnold Road ID:16xCRAIGHEAD856RDx1xA, Arnold Log mile:0.501

District 10, 31 - Craighead County

Owner: 2 - County Highway Agency

Inspection Direction: 3 - E to W

Bridge Posting Information

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

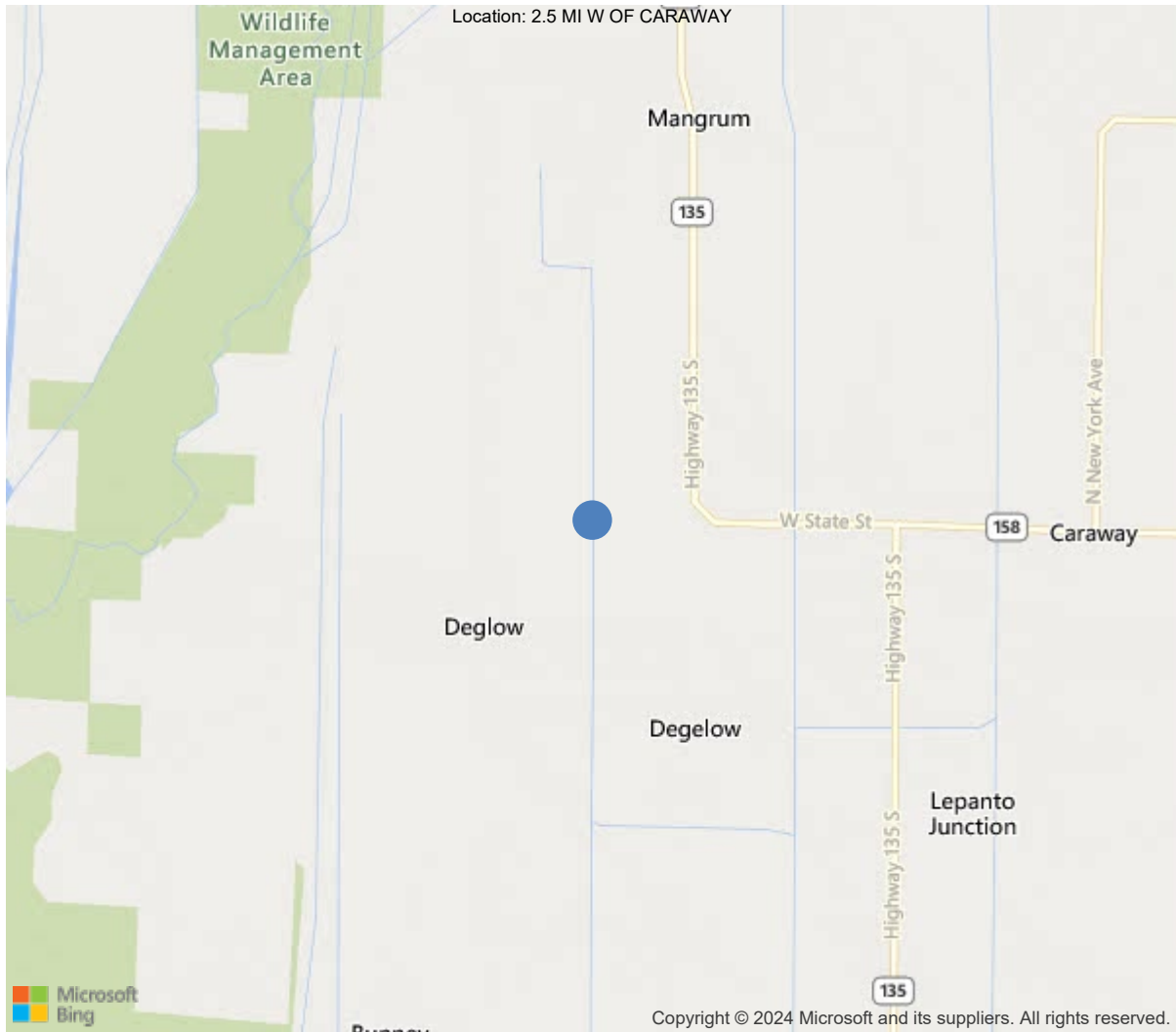
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	36		
Code 9 (31 Tons)	41		
Code 5 (40 Tons)	51		

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



35.75888, -90.36680



Asset #22133(Routine, Underwater type 2)

CR 856-A over DRAINAGE DITCH

Location: 2.5 MI W OF CARAWAY

Team Lead: Brandon Sutton, Inspection Date: 07/05/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	22133
(5) Inventory Route	1
(2) Highway Agency District	10 - District 10
(3) County Code	31 - Craighead County
(4) Place Code	0
(6) Features Intersected	DRAINAGE DITCH
(7) Facility Carried	CR 856-A
(9) Location	2.5 MI W OF CARAWAY
(11) Mile Point	0.57 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.75888
(17) Longitude	-90.366799728339
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(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	2 - Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0 - None (no additional concrete thickne
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1999
(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	11
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	60 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	29.5 ft
(52) Deck Width Out to Out	31 ft
(32) Approach Roadway Width (W/Shoulders)	22 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	29.5 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 w
(111) Pier Protection	1 - Navigation protection not
(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	9 - Rural Local
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(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
(20) Toll	3 - On free road. The structu
(21) Maintain	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	7
(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	55
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	33
(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	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	7
(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	0 - Inspected feature does not meet
(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	0
(114) Future ADT	188
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	07/05/2023		
(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.			



Asset #22133(Routine, Underwater type 2)

District: 10, County: 31 - Craighead County

Team Lead: Brandon Sutton, Inspection Date: 07/05/2023

58 - Deck (7 - GOOD CONDITION - some minor problems.)

Concrete curbs have a few cracks with efflorescence.

Top of deck has a few minor longitudinal cracks and small delaminated areas along edges of units.

Span 2 unit 3 was replaced with span 2 unit 2, span 2 unit 2 was replaced with span 2 unit 1, and span 2 unit 1 is a new unit. Grout was replaced around units 2 and 3.

Span 2 unit 3 has a few small spalls on end.

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

Girder portion of units have a few minor flexure cracks, some with efflorescence. Several have minor spalls, especially at transverse bolt connections.

Span 1 unit 3 has a delaminated area on diaphragm at beginning of span.

Span 1 units 5 and 6 have minor longitudinal cracks with efflorescence near bottom of units.

Span 2 unit 2 has 3' of longitudinal cracking with light efflorescence.

Span 2 unit 6 has a 1' spall with rebar exposed.

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Concrete caps and piles are in good condition.

Bent 2 cap has a few minor vertical cracks and a minor spall on right end.

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.)

Heavy vegetation in channel.



Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

58 - Deck (7 - GOOD CONDITION - some minor problems.)
Comment: Concrete curbs have a few cracks with efflorescence.
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Location: 2.5 MI W OF CARAWAY

Team Lead: Brandon Sutton, Inspection Date: 07/05/2023

Superstructure

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				CS1	CS2	CS3	CS4

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

Comment: Girder portion of units have a few minor flexure cracks, some with efflorescence. Several have minor spalls, especially at transverse bolt connections.

Span 1 unit 3 has a delaminated area on diaphragm at beginning of span.

Span 1 units 5 and 6 have minor longitudinal cracks with efflorescence near bottom of units.

Span 2 unit 2 has 3' of longitudinal cracking with light efflorescence.

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Substructure

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				CS1	CS2	CS3	CS4

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Comment: Concrete caps and piles are in good condition.

Bent 2 cap has a few minor vertical cracks and a minor spall on right end.

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.)

Comment: Heavy vegetation in channel.



Elevation view



Roadway view



Span 2 unit 1 NEW
Span 2 unit 2 was moved from unit 1 position



Span 2 unit 3 was moved from unit 2



Bent 1 unit 8



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Location: 2.5 MI W OF CARAWAY

Team Lead: Brandon Sutton, **Inspection Date:** 07/05/2023

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	Yes
A-55 - Deck Washing Needed	Yes
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	Yes

A-54 - Sealable Deck Cracks (Yes)

A-55 - Deck Washing Needed (Yes)

A-56 - Joint Cleaning/Flushing Needed



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Location: 2.5 MI W OF CARAWAY

Team Lead: Brandon Sutton, **Inspection Date:** 07/05/2023

A-57 - Beam End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed

A-60 - Full Beam Painting Needed

A-61 - Polymer Overlay Advised

A-62 - Hydro and LMC Advised

A-63 - Missing/Incorrect Log Mile Signage

A-64 - Vegetation Removal Requested (Yes)



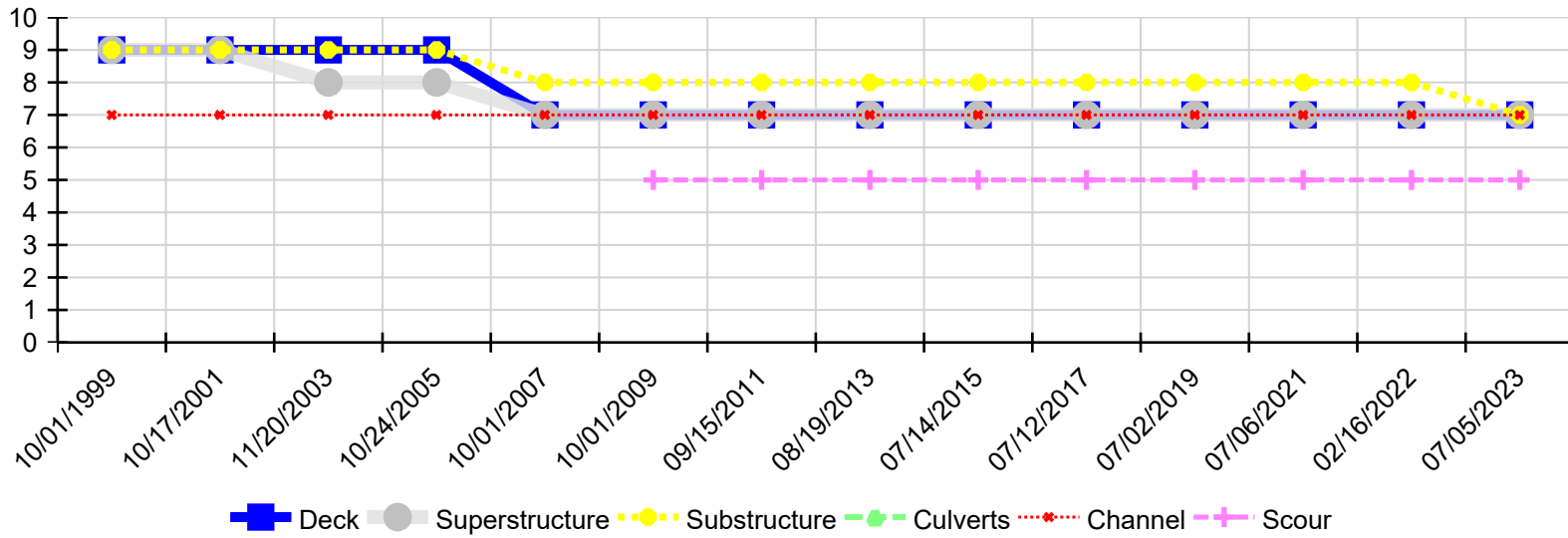
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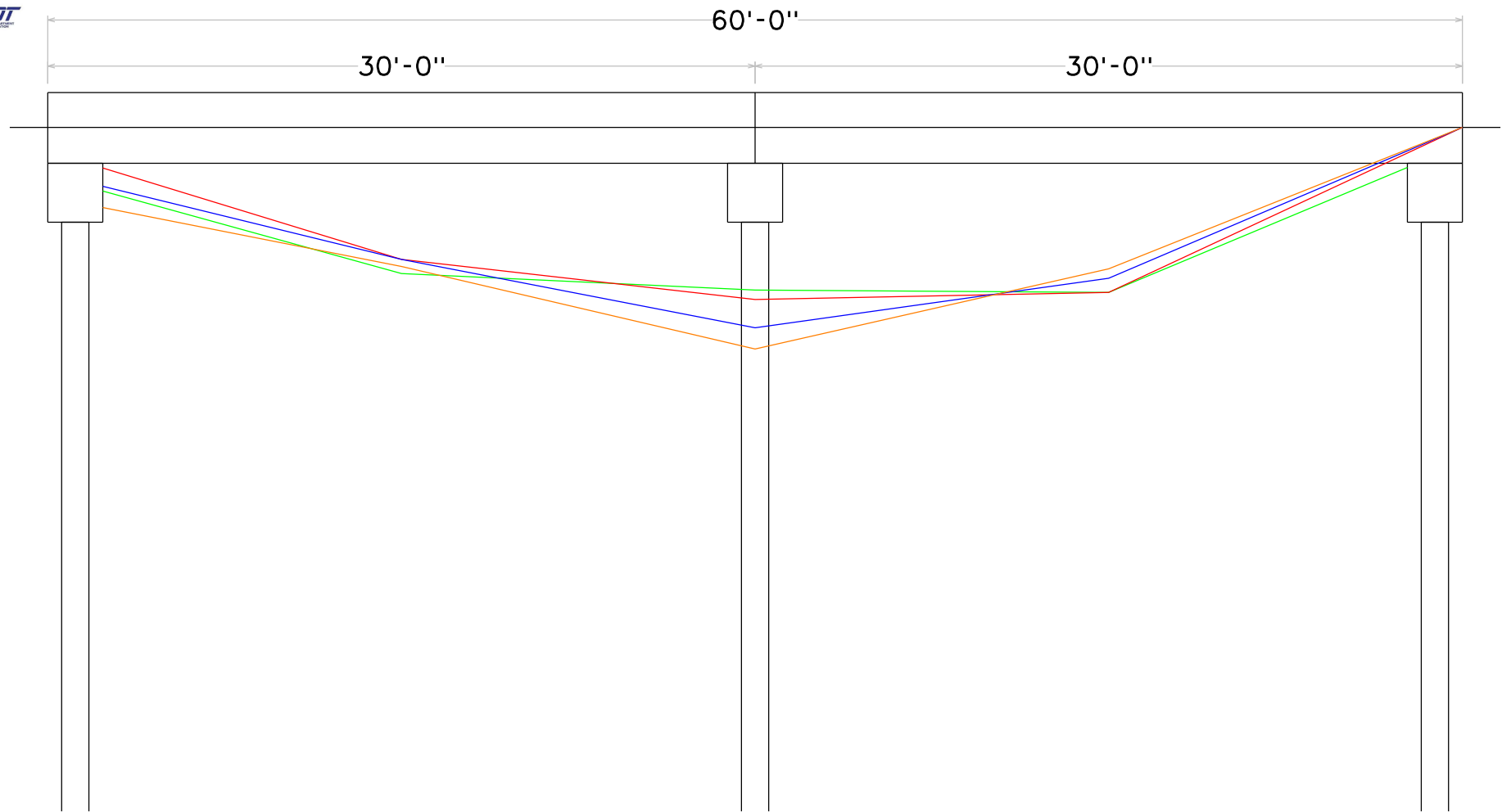
Location: 2.5 MI W OF CARAWAY

Team Lead: Brandon Sutton, Inspection Date: 07/05/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
07/05/2023	7	7	7	N	7	5
02/16/2022	7	7	8	N	7	5
07/06/2021	7	7	8	N	7	5
07/02/2019	7	7	8	N	7	5
07/12/2017	7	7	8	N	7	5
07/14/2015	7	7	8	N	7	5
08/19/2013	7	7	8	N	7	5
09/15/2011	7	7	8	N	7	5
10/01/2009	7	7	8	N	7	5
10/01/2007	7	7	8	N	7	N
10/24/2005	9	8	9	N	7	N
11/20/2003	9	8	9	N	7	N
10/17/2001	9	9	9	N	7	N
10/01/1999	9	9	9	N	7	N



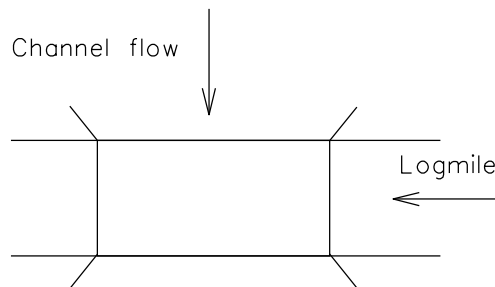
Bent 1
2.7'
1.0'
2.5'
3.4'

Mid
6.2'
5.6'
5.6'
5.9'

Bent 2
6.9'
7.3'
8.5'
9.4'

Mid
7.0'
7.0'
6.4'
6.0'

Bent 3
1.7'
0.0'
0.0'
0.0'



Channel profiled from top of deck on Lt side (downstream side)
 Green soundings taken on 10/13/1999
 Red soundings taken on 9/15/2011
 Blue soundings taken on 7/2/2019
 Blue soundings taken on 7/5/2023

*Not to Scale

Bridge No. 22133	Dist. 10	Co. Craighead - 16
Logmile 0.57	Rt. 856	Sect/Zone - A
Date Drawn 7/5/23	Insp. / Assist.	BDS / CCP