Asset #06914(Routine, Underwater type 2)
US 65 over Big Branch
Location: N Outskirts of Choctaw
Team Lead: Rhett Franks **Inspection Date:** 04/02/2025

Bridge 06914 Inspection Report



Latitude:35.53225, Longitude:-92.44290

Route:65 Section:08 Log:5.09

Arnold Road ID:71x65x8xA, Arnold Log mile:5.036

District 08, 141 - Van Buren County

Owner: 1 - State Highway Agency

Inspection Direction: 1 - N to S

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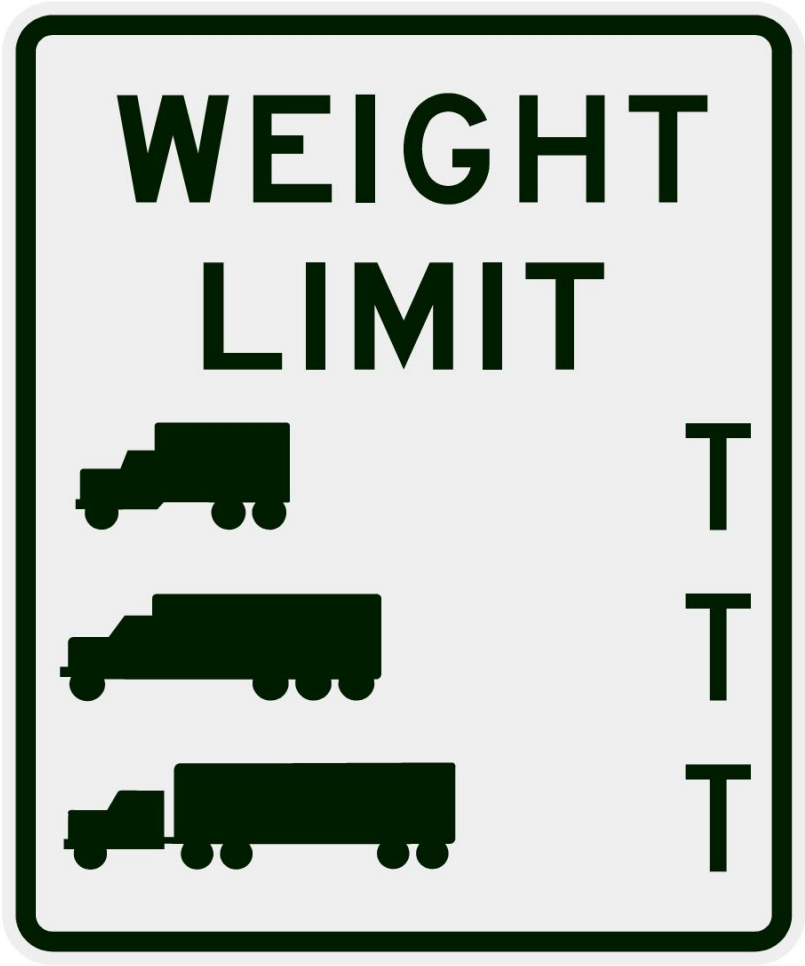
Bridge Posting Information

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

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

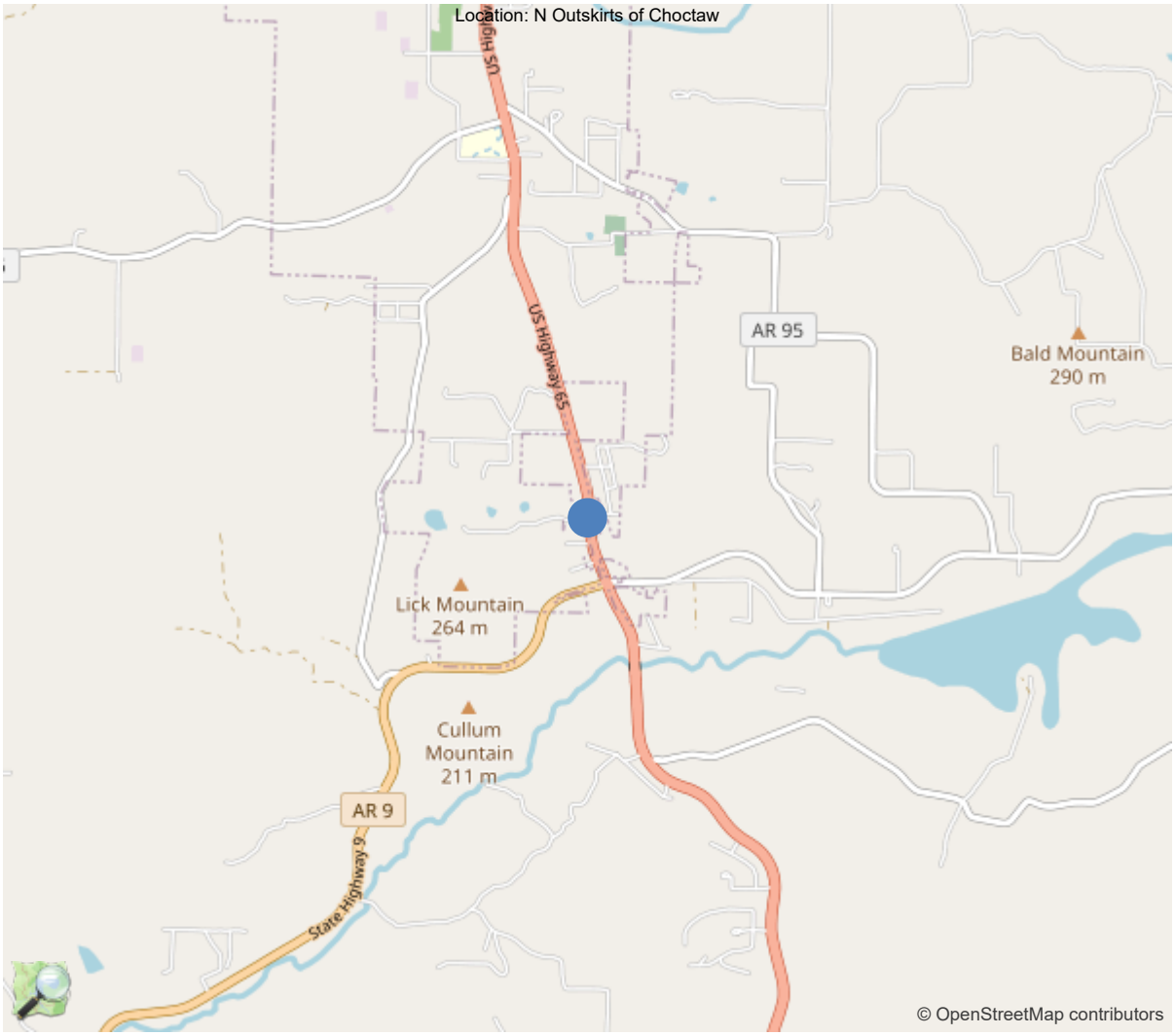
Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	60		

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

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35.53225, -92.44290

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National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06914
(5) Inventory Route	1
(2) Highway Agency District	08 - District 08
(3) County Code	141 - Van Buren County
(4) Place Code	0
(6) Features Intersected	Big Branch
(7) Facility Carried	US 65
(9) Location	N Outskirts of Choctaw
(11) Mile Point	5.09 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000065080
(16) Latitude	35.53225
(17) Longitude	-92.4429
(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	0 - None (no additional concrete thickne
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing

AGE AND SERVICE	
(27) Year Built	2003
(106) Year Reconstructed	2017
(42) Type of Service	55
On	5 - Highway-pedestrian
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	14146
(30) Year of ADT	2017
(109) Truck ADT	10 %
(19) Bypass, Detour Length	6 mi

GEOMETRIC DATA	
(48) Length of Maximum Span	50 ft
(49) Structure Length	132 ft
(50) Curb or Sidewalk Width	
Left	6.5 ft
Right	6.5 ft
(51) Bridge Roadway Width Curb to Curb	58 ft
(52) Deck Width Out to Out	74.1 ft
(32) Approach Roadway Width (W/Shoulders)	58 ft
(33) Bridge Median	0 - No median
(34) Skew	30 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	71 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 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	1
(26) Functional Class	2 - Rural Principal Arterial -
(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	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	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	5
(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	9
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	8 - 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	15900
(115) Year of Future ADT	2038

INSPECTIONS *			
(90) Inspection Date			04/02/2025
(91) Frequency			48
(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.

Inspection Notes

General Observation
The bridge was inspected using the inspection vehicle for work zone set up, range pole for measurements, hip waders, ipad and natural visual instruments.

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58 - Deck (7 - GOOD CONDITION - some minor problems.)
Overall, the deck is in good condition with spalling in the saw joints, minor cracking in the wheel paths in all spans and cracking with efflorescence in the undersurface.

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59 - Superstructure (7 - GOOD CONDITION - some minor problems.)
Overall, the superstructure is in good condition with minor corrosion on the girders and bearings.

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60 - Substructure (7 - GOOD CONDITION - some minor problems.)
Overall, substructure is in good condition with cracking that has efflorescence in the back walls and minor abrasion on the columns at the flow lines.

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62 - Culverts (N - Not applicable. Used if structure is not a culvert.)

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61 - Channel/Channel Protection (5 - Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and brush restrict the channel.)
Overall, the channel is in fair condition with trees and brush restricting the channel flow on the up stream. Channel is on poor alignment with sluffing banks that are sparsely vegetated.

Underwater type II inspection conducted, wadding and probing indicate no notable scour at this inspection. Soundings were taken from the top of the curb by use of a weighted tape measure. See channel profile for more information.

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71 - Waterway Adequacy (8 - Bridge deck above roadway approaches. Slight chance of overtopping roadway approaches.)

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72 - Approach Roadway Alignment (8 - Equal to present desirable criteria)

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113 - Scour Critical Bridges (8 - Bridge foundations determined to be stable for the assessed or calculated scour condition. Scour is determined to be above top of footing (Example A) by assessment (i.e., bridge foundations are on rock formations that have been determined to resist scour within the service life of the bridge4), by calculation or by installation of properly designed countermeasures (see HEC 23).)

A-51 - Inspection Direction (1 - N to S)

A-15 - Late Reason

A-45 - Bats Present

A-108 - Load Rating Requested

A-119 - Scour Assessment Request

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (8 - Insignificant scour.)
No notable scour during this inspection.

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National Bridge Element Quantities and Notes

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	9789	7903	1860	26	0
1080	Delamination/Spall/Patched Area	SF	2	0	0	2	0
1120	Efflorescence/Rust Staining	SF	288	0	288	0	0
1130	Cracking (RC and Other)	SF	1596	0	1572	24	0
(12) Driving Surface: Deck has a reinforced concrete driving surface. Spans 1-3, right and left lanes have map cracking in the wheel paths. CS2 1560 SF Span 1, left lane has cracking. CS2 12 SF Span 2, has longitudinal cracking. CS3 24 SF Span 3, has minor spalling at the saw joints. CS3 2 SF							
107	Steel Open Girder/Beam	LF	1300	1193	107	0	0
1000	Corrosion	LF	107	0	107	0	0
515	Steel Protective Coating	SF	11700	11680	0	20	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	20	0	0	20	0
(107) Typical corrosion on most girders. CS2 107 LF							
205	Reinforced Concrete Column	EA	10	8	2	0	0
1080	Delamination/Spall/Patched Area	EA	1	0	1	0	0
1190	Abrasion/Wear (PSC/RC)	EA	1	0	1	0	0
(205) Span 2, bent 2, column 2, has minor abrasion at the flow line. CS2 1 LF							
215	Reinforced Concrete Abutment	LF	170	124	25	21	0
1080	Delamination/Spall/Patched Area	LF	1	0	1	0	0
1120	Efflorescence/Rust Staining	LF	24	0	3	21	0
1130	Cracking (RC and Other)	LF	21	0	21	0	0
(215) Span 1, bent 1, head wall has cracking with efflorescence. CS3 2 LF Span 1, bent 1, has cracking with efflorescence. CS2 1 LF Span 3, bent 4, head wall has cracking with efflorescence. CS2 9 LF							
234	Reinforced Concrete Pier Cap	LF	165	165	0	0	0
(234) GOOD WPW & EJK 4/11/2023							
301	Pourable Joint Seal	LF	145	116	28	1	0
2310	Leakage	LF	1	0	0	1	0
2350	Debris Impaction	LF	28	0	28	0	0
(301) MINOR DEBRIS IMPACTION. WPW & EJK 4/11/2023							

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
305	Assembly Joint without Seal	LF	26	26	0	0	0
(305) GOOD WPW & EJK 4/11/2023							
310	Elastomeric Bearing	EA	40	35	2	3	0
1000	Corrosion	EA	5	0	2	3	0
515	Steel Protective Coating	SF	60	56	0	2	2
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	4	0	0	2	2
(310) Span 3, bent 4, bearing 2, has active corrosion. CS3 1 LF							
330	Metal Bridge Railing	LF	264	264	0	0	0
515	Steel Protective Coating	SF	264	264	0	0	0
(330) Typical metal rail with no notable defects.							
331	Reinforced Concrete Bridge Railing	LF	264	194	70	0	0
1120	Efflorescence/Rust Staining	LF	22	0	22	0	0
1130	Cracking (RC and Other)	LF	48	0	48	0	0
(331) Span 1, left side rail has cracking. CS2 LF							

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Inspection Photos and Notes



Elevation.



Inventory.



Typical undersurface.



Typical deck.

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Left side down stream.



Right side up stream.



Span 2, right side undersurface has cracking with efflorescence. CS2 144 SF



Span 1, right lane has map cracking. CS2 40 SF

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Span 1, right lane has map cracking. CS2 40 SF



Span 1, right lane has map cracking. CS2 40 SF



Span 3, has minor spalling at the saw joints. CS3 2 SF



Span 2, has longitudinal cracking. CS3 24 SF

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Span 1, left lane has longitudinal cracking. CS2 12 SF



Typical wear in the wheel paths. CS2



Typical corrosion on most girders. CS2 107 LF



Span 2, bent 2, column 2, has minor abrasion at the flow line. CS2 1 LF

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Span 3, bent 4, head wall has cracking with efflorescence. CS2 9 LF



Span 1, bent 1, head wall has cracking with efflorescence. CS3 2 LF



Span 1, bent 1, has cracking with efflorescence. CS2 1 LF



No noticeable defects in the caps.

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Span 1, bent 1, joint seal has impact damage. CS3 1 LF



Span 3, bent 4, bearing 2, has active corrosion. CS3 1 LF



Typical metal rail with no notable defects.



Span 1, left side rail has cracking. CS2 35 LF

Routine Maintenance

Check Box Maintenance Items

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

A-54 - Sealable Deck Cracks (Yes)
Deck has sealable cracks in all spans.



Span 1, right lane has map cracking. CS2 40 SF

A-55 - Deck Washing Needed (No)

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

A-57 - Beam End and Bearing Painting Needed (No)

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

A-59 - Joint Repair Needed (No)

A-60 - Full Beam Painting Needed (No)

A-61 - Polymer Overlay Advised (Yes)
Deck is in need of a polymer overlay.



Span 1, right lane has map cracking. CS2 40 SF

A-62 - Hydro and LMC Advised (No)

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

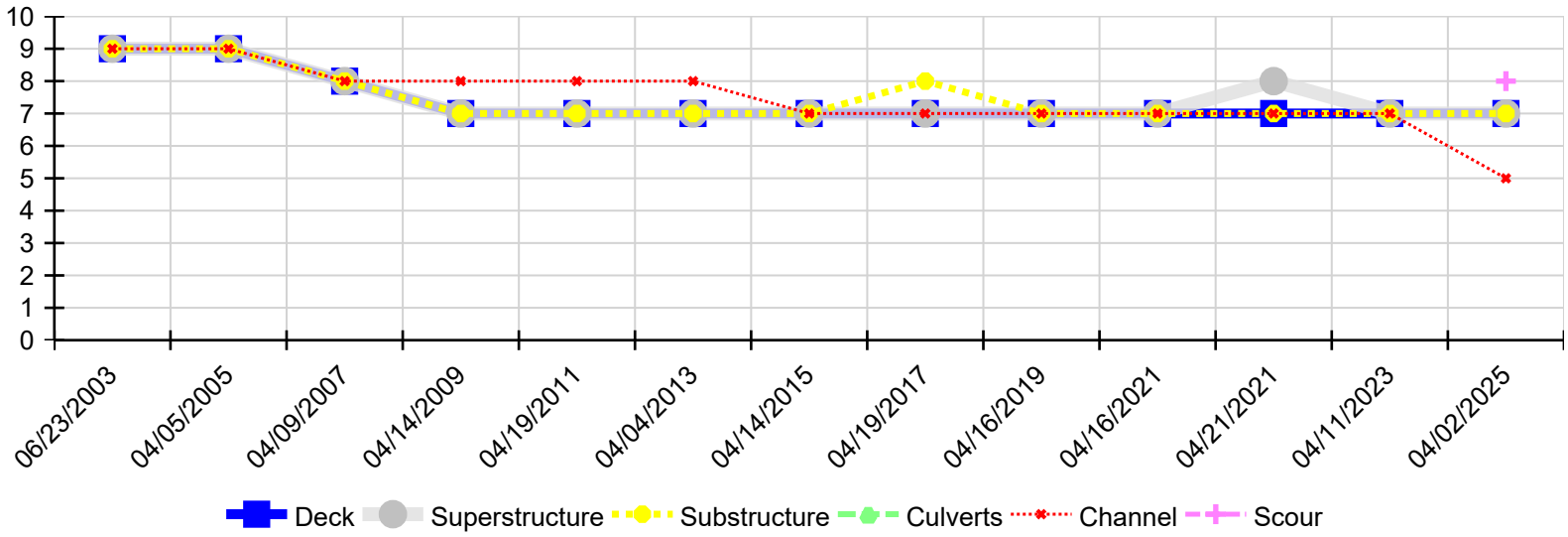
A-64 - Vegetation Removal Requested (No)

A-65 - Clogged deck drains?

A-66 - Approach minor pothole/leveling needed

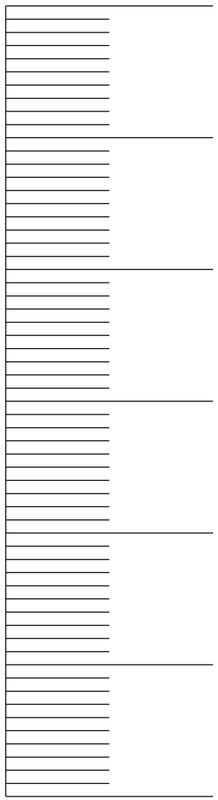
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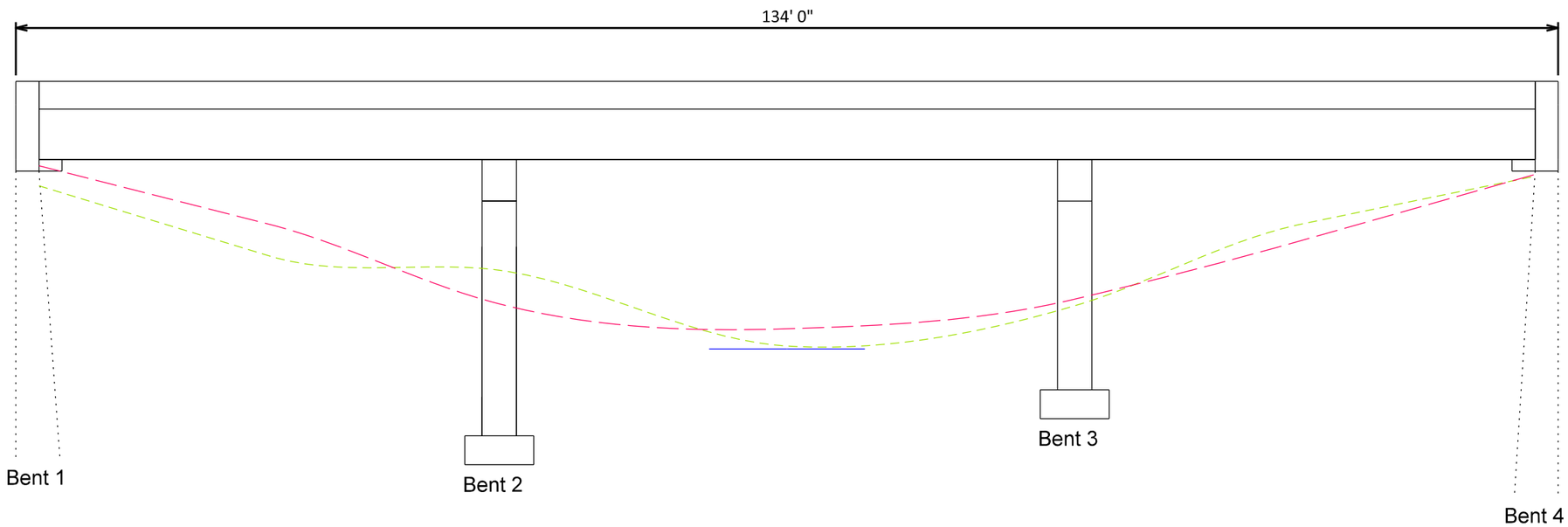
Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/02/2025	7	7	7	N	5	8
04/11/2023	7	7	7	N	7	N
04/21/2021	7	8	7	N	7	N
04/16/2021	7	7	7	N	7	N
04/16/2019	7	7	7	N	7	N
04/19/2017	7	7	8	N	7	N
04/14/2015	7	7	7	N	7	N
04/04/2013	7	7	7	N	8	N
04/19/2011	7	7	7	N	8	N
04/14/2009	7	7	7	N	8	N
04/09/2007	8	8	8	N	8	N
04/05/2005	9	9	9	N	9	N
06/23/2003	9	9	9	N	9	N

10' Scale







Right Side Sounding

Left Side Sounding

ARKANSAS STATE HIGHWAY COMMISSION

Little Rock, ARK.

0' 12' 24'

Scale:1"=12'

Inspection Dir: N to S

Channel Flow: Edit

BRIDGE NO. 06914

Drawn By: Edit

Project: Chan Prof

Checked By: Edit

Date: 3/25/2025

ARDOT BRIDGE OPERATIONS