

Bridge 02285 Inspection Report



Latitude:35.51119, Longitude:-94.11626

Route:64 Section:02 Log:15.02

Arnold Road ID:17x64x2xA, Arnold Log mile:15.321

District 04, 33 - Crawford County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

Bridge Posting Information

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

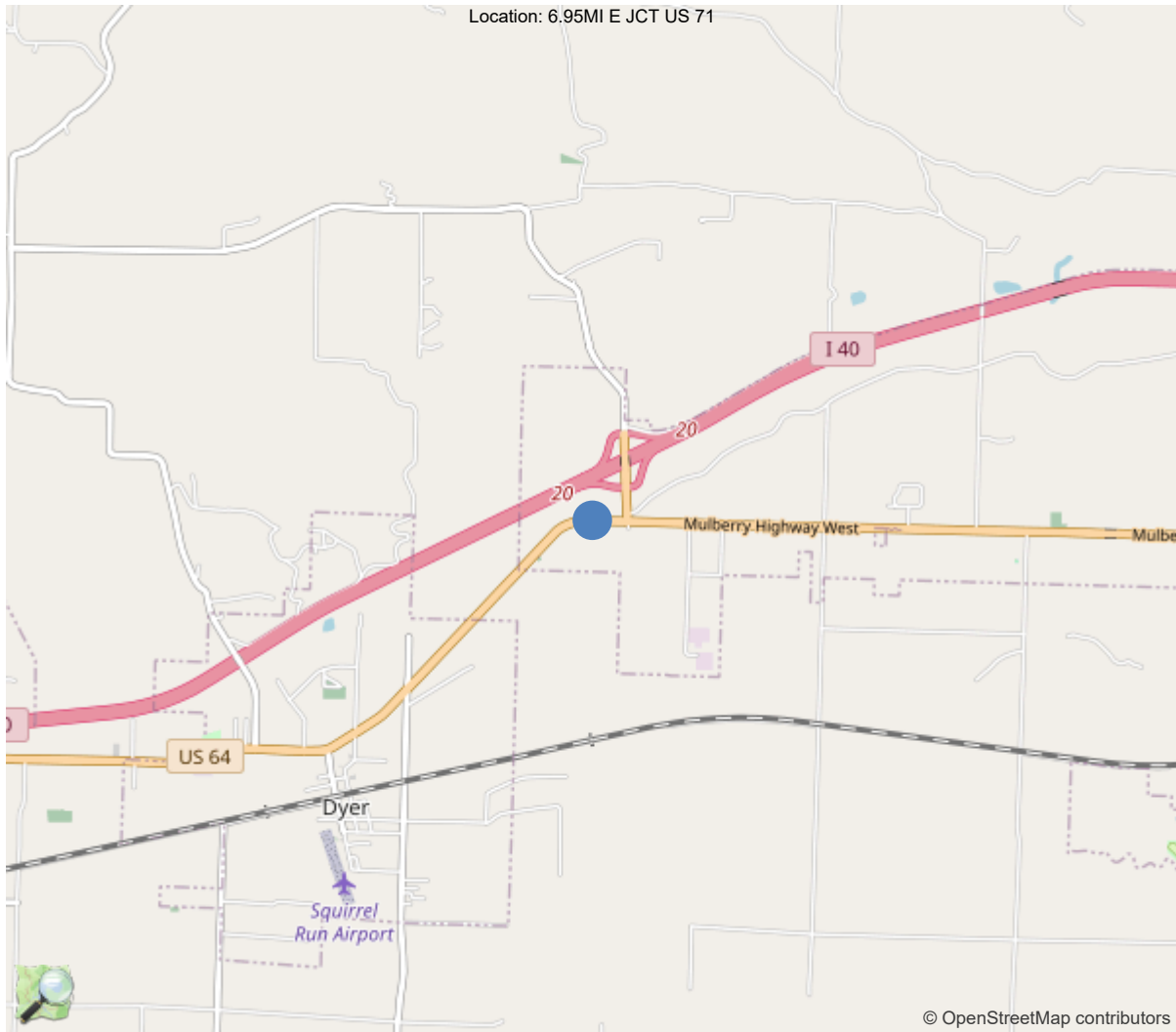
70 - Bridge Posting: 5 - Equal to or above legal loads

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



35.51119, -94.11626

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	02285
(5) Inventory Route	1
(2) Highway Agency District	04 - District 04
(3) County Code	33 - Crawford County
(4) Place Code	48200
(6) Features Intersected	Lee Br. - Crawford Co.
(7) Facility Carried	US Highway 64
(9) Location	6.95MI E JCT US 71
(11) Mile Point	15.02 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.5111860782284
(17) Longitude	-94.1162599580023
(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	1927
(106) Year Reconstructed	1962
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	2700
(30) Year of ADT	2024
(109) Truck ADT	7 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	29 ft
(49) Structure Length	31 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	27.9 ft
(52) Deck Width Out to Out	29.5 ft
(32) Approach Roadway Width (W/Shoulders)	38.1 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	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	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	7 - Rural Major Collector
(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	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2 - M 13.5 / H 15
(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	7
(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	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	3492
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			11/03/2025
(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.			

Team Lead: Tyler Lincks, Inspection Date: 11/03/2025

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	02285
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1927

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	33 - Crawford County
B.L.03 Place Code	48200 - Mulberry
B.L.04 Highway Agency District	04 - District 04
B.L.05 Latitude	35.5111860782284
B.L.06 Longitude	-94.1162599580023
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	6.95MI E JCT US 71
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	30.8
B.G.02 Total Bridge Length	30.8
B.G.03 Max Span Length	28.9
B.G.04 Min Span Length	28.9
B.G.05 Bridge Width Out-to-Out	33.8
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	38.1

B.G.10 Bridge Median	0 - No median
B.G.11 Skew	30
B.G.12 Curved Bridge	N - Not curved
B.G.13 Max Bridge Height	9
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	1041.0

LOADS AND LOAD RATING	
B.LR.01 Design Load	H15 - H-15
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	Bridge does not carry routine permi

INSPECTION REQUIREMENTS	
B.IR.01 NSTM Inspection Required	N - NSTM inspection not required.
B.IR.02 Fatigue Details	
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	6 - SATISFACTORY - Widespread
B.C.03 Substructure Condition	6 - SATISFACTORY - Widespread
B.C.04 Culvert Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	6 - SATISFACTORY - Widespread
B.C.06 Bridge Railing Transitions Condition	N - NOT APPLICABLE - Component
B.C.07 Bridge Bearings Cond.	6 - SATISFACTORY - Widespread
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	9 - No scour.
B.C.12 Bridge Condition Classification	F - Fair
B.C.13 Lowest Condition Rating	6 - SATISFACTORY - Widespread
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	3 - Low - once every 26 to 50 years
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

SPAN SETS			
M1			
B.SP.02 # of Spans	1	B.SP.08 Deck Interaction	NC - Non-composite
B.SP.03 # of Beam Lines	14	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			
A1			
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	F02 - Footing - on rock
B.SB.04 Substructure Type	A01 - Abutment - cantilever/wa	B.SB.07 Foundation Protective System	0 - None

HIGHWAY FEATURES			
H1			
B.F.02 Feature Location	C - Carried on bridge	B.H.09 Annual ADT	3042
B.F.03 Feature Name	US Highway 64	B.H.10 Annual ADTT	152
B.H.01 Functional Classification	5 - Major Collector	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	N - Non-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		B.H.16 Highway Max Usable Surface Width	30.5
B.H.07 LRS Mile Point	15.02	B.H.17 Bypass Detour Length	3
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	1	64	2-T - TEMP - Two-way traffic - NS or EW	2 - U.S. route	1 - Mainline

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	Lee Br. - Crawford Co.	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	



Team Lead: Tyler Lincks, Inspection Date: 11/03/2025

POSTING STATUS DATA

B.PS.01 Load Posting Status	B.PS.02 Posting Status Change Date
PO - Permanent and 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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Asset #02285(Routine, Underwater type 2)

US Highway 64 over Lee Br. - Crawford Co.

Location: 6.95MI E JCT US 71

Team Lead: Tyler Lincks Inspection Date: 11/03/2025

Inspection Notes

General Observation

11/03/2025 - TJL & MPW - Routine Inspection and Type 2 Underwater Inspection conducted this date.

58 - Deck (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Deck is in overall satisfactory condition with an asphalt driving surface, isolated transverse short duration hairline cracks visible in the undersurface, spalls along the top flange of the North exterior beam & adjacent to abutment juncture, some with exposed reinforcing steel.

59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Superstructure is in overall satisfactory condition with several areas of active corrosion showing through the paint system. Girders 1 & 14, adjacent to drain scuppers have active corrosion with layers of flaking rust.

60 - Substructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Substructure is in overall satisfactory condition with light abrasion at the base, isolated areas of hairline cracking, & an area of concrete deterioration under girder 3 where the structure was widened.

11/03/2025 - TJL & MPW - Type 2 Underwater Inspection conducted this date.

ArDOT Drawing # 7943 indicates that both abutment spread footings are founded on shale.

Footings have cover with no apparent scour problems during this inspection.

A profile of the channel was conducted along both sides of the structure this date.

See Channel Profile documentation associated with this inspection for additional information.

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.)

Banks are well vegetated with no apparent scour problems during this inspection.

11/03/2025 - TJL & MPW - Type 2 Underwater Inspection conducted this date.

ArDOT Drawing # 7943 indicates that both abutment spread footings are founded on shale.

Footings have cover with no apparent scour problems during this inspection.

A profile of the channel was conducted along both sides of the structure this date.

See Channel Profile documentation associated with this inspection for additional information.

A-15 - Late Reason (N/A)

Heavy workload.

A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (9 - No Scour.)

Banks are well vegetated with no apparent scour problems during this inspection.

National Bridge Element Quantities and Notes

[illegible]

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Abutment 2, Behind girder 3: Horizontal cracking. 3LF CS2 Abutment 2, Centerline: Vertical crack. 1LF CS3							
311	Movable Bearing	EA	14	3	10	1	0
1000	Corrosion	EA	11	0	10	1	0
(311) Masonry plates: Areas with active corrosion with layers of flaking rust. 10EA CS2, 1EA CS3							
313	Fixed Bearing	EA	14	0	9	5	0
1000	Corrosion	EA	13	0	8	5	0
2240	Loss of Bearing Area	EA	1	0	1	0	0
(313) Abutment 2, Girder 3 bearing: Approximately 2" of bearing area loss. 1EA CS2 Masonry plates: Areas with active corrosion and flaking rust. 8EA CS2, 5EA CS3							
330	Metal Bridge Railing	LF	55	0	55	0	0
1000	Corrosion	LF	55	0	55	0	0
515	Steel Protective Coating	SF	163	0	0	163	0
3440	Effectiveness (Steel Protective Coatings)	SF	163	0	0	163	0
(330) Metal bridge railing: Rust showing through the paint system. 55LF CS2 Northwest end post: 8" long X 3/4" deep scrape. (515-330) Effectiveness 163SF CS3							

Inspection Photos and Notes



Elevation, Right side of structure.



Asphalt wearing surface, Typical.



Deck undersurface, Typical.



Channel, Right side of structure.



Channel, Left side of structure.



Approach roadway facing east.



Abutment 2, girder ends and bearings.



Abutment 1, Girder ends and bearings.



Deck undersurface, Bay 2: Transverse cracks with light efflorescence. 4SF CS2



Deck undersurface, typical.



Deck undersurface, Bay 1, Adjacent to diaphragm: 14" spall with exposed reinforcing steel. 2LF CS3



Left edge of deck, Over exterior girder: Shallow spalling. 25SF CS3



Asphalt wearing surface, Typical.



Girder 1, Exterior face: Approximately 20' long area of active corrosion with flaking rust. 20LF CS3



Girder 1, Adjacent to abutment 2, Under scupper: 5' area of corrosion with flaking rust and up to 1/8" section loss. 5LF CS3



Girder 14, Adjacent to abutment 1, Under scupper: 4' area of corrosion with flaking rust and up to 1/8" section loss. 4LF CS3



Superstructure, Typical.



Abutment 2, Centerline: Vertical crack. 1LF CS3



Abutment 2, Under girder 3 bearing: Concrete deterioration/spalling with approximately 2" of bearing area loss & exposed reinforcing steel. 1LF CS3 spall



Abutment 1, Typical.



Abutment 2, Typical.



Abutment 1, Bearings typical.



Abutment 2, Girder 3 bearing: Approximately 2" of bearing area loss. 1EA CS2



Abutment 2, Bearings typical.



Left bridge rail, Typical.



Right bridge rail, Typical.

Maintenance Needs

Date Reported: 11/18/2011

Priority: D- Routine

Type of Work: Superstructure Repair

Status: Monitor

Component: Superstructure

Deficiency Description

Exterior girders, Interior & exterior faces: Areas of corrosion with flaking rust, worst cases being adjacent to deck drains. Superstructure, Bottom flange: Approximately 1/8" section loss in areas.

Remarks



Girder 1, Exterior face: Active corrosion with flaking rust.



Beam # 14 corrosion.



Beam # 1 corrosion.



Beam # 1. Corrosion.



Beam # 1 with active corrosion and initial section loss.



Beam # 14 adjacent to Bent # 2 has active corrosion with initial section loss.

Maintenance Needs

Date Reported: 08/17/2015

Priority: D- Routine

Type of Work: Substructure Repair

Status: Monitor

Component: Substructure

Deficiency Description

Abutment 2, Under girder 3 bearing: Concrete deterioration/ spalling with approximately 2" of bearing area loss.

Remarks

11/03/2025 - TJL & MPW - Removed note for corrosion on masonry plates & created separate maintenance need.



Abutment 2, Under girder 3 bearing: Concrete deterioration/ spalling with approximately 2" of bearing area loss.



Bent 2, Bearing area of Beam 3.

Maintenance Needs

Date Reported: 11/03/2025

Priority: D- Routine

Status: Open

Type of Work: Bearing Repair/Replacement

Component: Element

Deficiency Description

Masonry plates: Areas of active corrosion and layers of flaking rust.

Remarks



Abutment 1, Girder ends and bearing.



Abutment 1, bearings typical.

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	No
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	No
A-65 - Clogged deck drains?	No
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)



Abutment 2, girder ends and bearings.



Abutment 1, Girder ends and bearings.

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

A-59 - Joint Repair Needed (No)

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)



Asset #02285(Routine, Underwater type 2)

US Highway 64 over Lee Br. - Crawford Co.

Location: 6.95MI E JCT US 71

Team Lead: Tyler Lincks Inspection Date: 11/03/2025

A-64 - Vegetation Removal Requested (No)

A-65 - Clogged deck drains? (No)

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



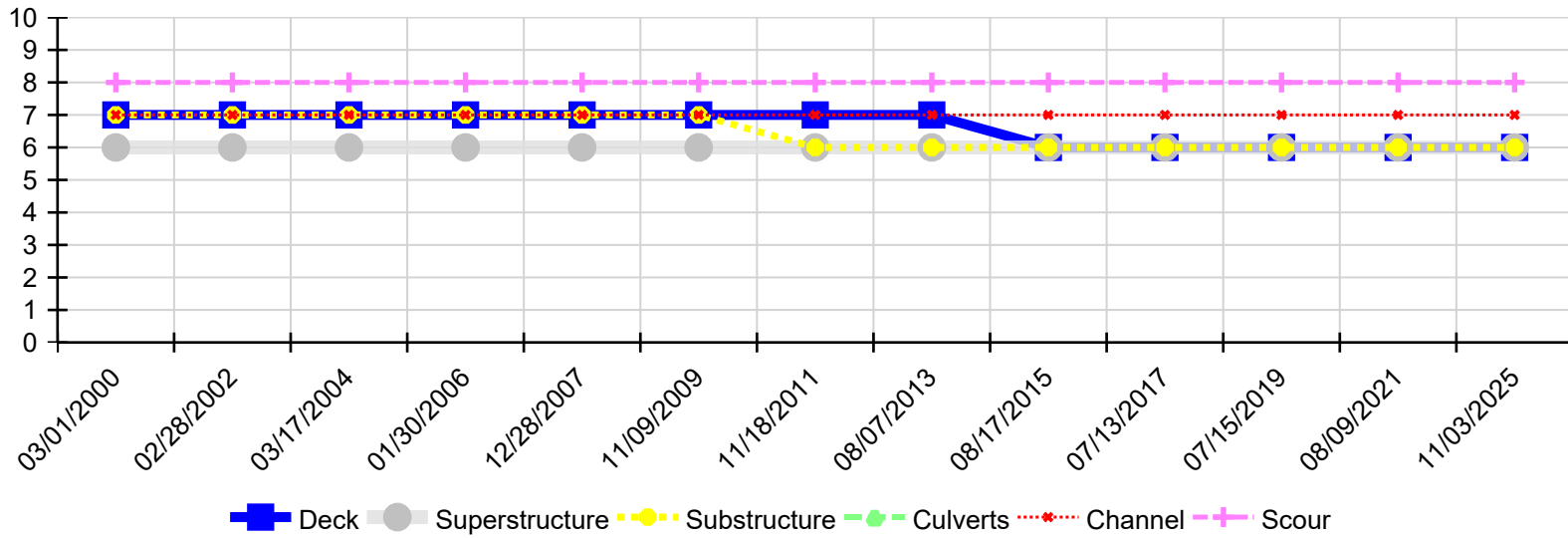
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US Highway 64 over Lee Br. - Crawford Co.

Location: 6.95MI E JCT US 71

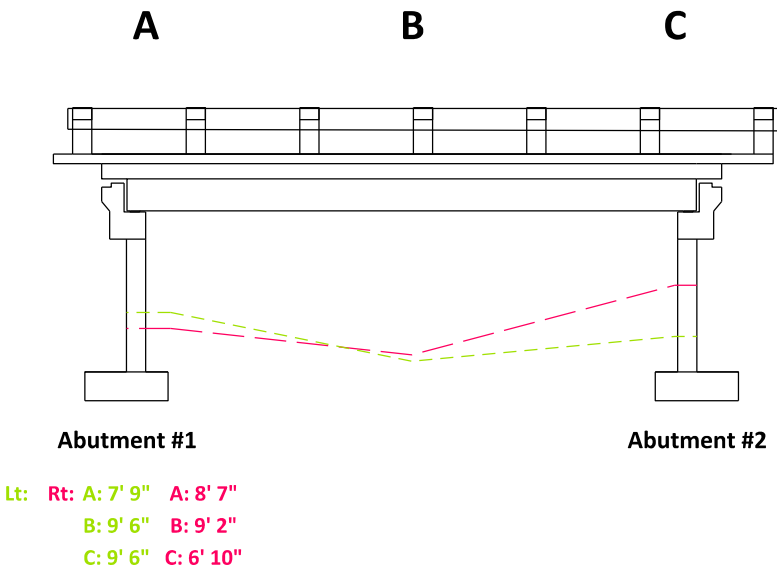
Team Lead: Tyler Lincks Inspection Date: 11/03/2025

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
11/03/2025	6	6	6	N	7	8
08/09/2021	6	6	6	N	7	8
07/15/2019	6	6	6	N	7	8
07/13/2017	6	6	6	N	7	8
08/17/2015	6	6	6	N	7	8
08/07/2013	7	6	6	N	7	8
11/18/2011	7	6	6	N	7	8
11/09/2009	7	6	7	N	7	8
12/28/2007	7	6	7	N	7	8
01/30/2006	7	6	7	N	7	8
03/17/2004	7	6	7	N	7	8
02/28/2002	7	6	7	N	7	8
03/01/2000	7	6	7	N	7	8

Measurements taken from bottom of deck over hangs from the channel



Right Side Sounding	-----
Left Side Sounding	-----
ARKANSAS STATE HIGHWAY COMMISSION Little Rock, ARK.	

Scale:1"=10'	
Inspection Dir: W to E	Channel Flow: Edit

BRIDGE NO.	
02285	
Drawn By: MPW	Project: Chan_Prof
Checked By: Edit	Date: 20251103

