

Bridge 02286 Inspection Report



Latitude:35.51089, Longitude:-94.10369

Route:64 Section:02 Log:15.72

Arnold Road ID:17x64x2xA, Arnold Log mile:16.03

District 04, 33 - Crawford County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

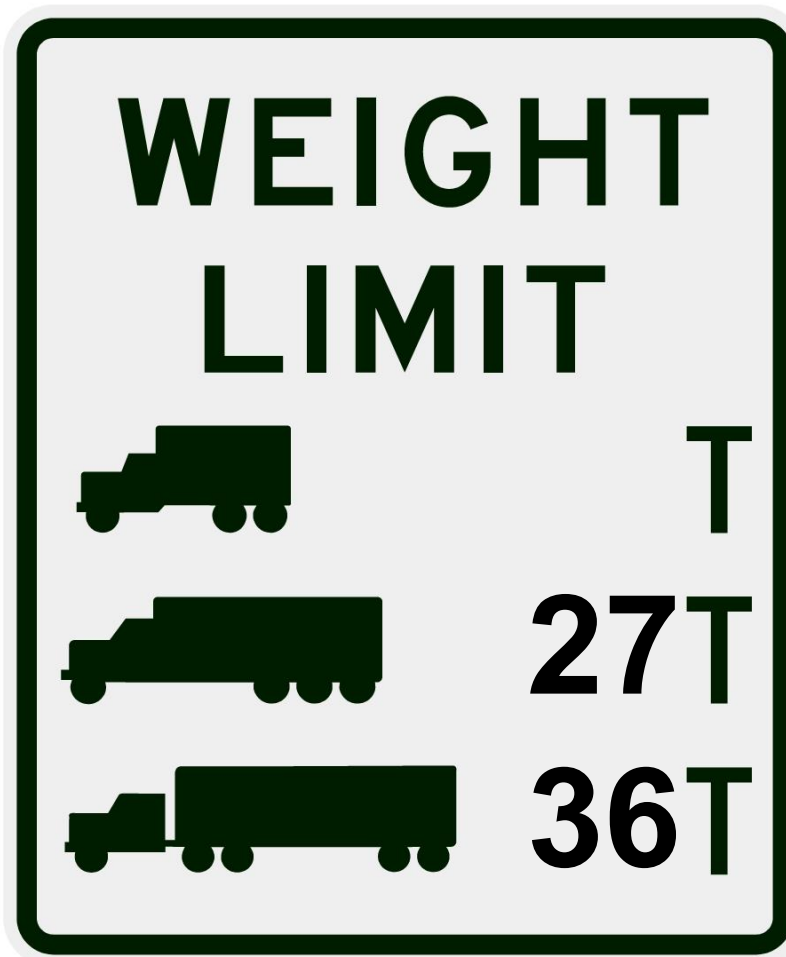
Bridge Posting Information

41 - Structure Open/Posted/Closed: P - Posted for load (may include other restrictions such a temporary bridges which are load posted)

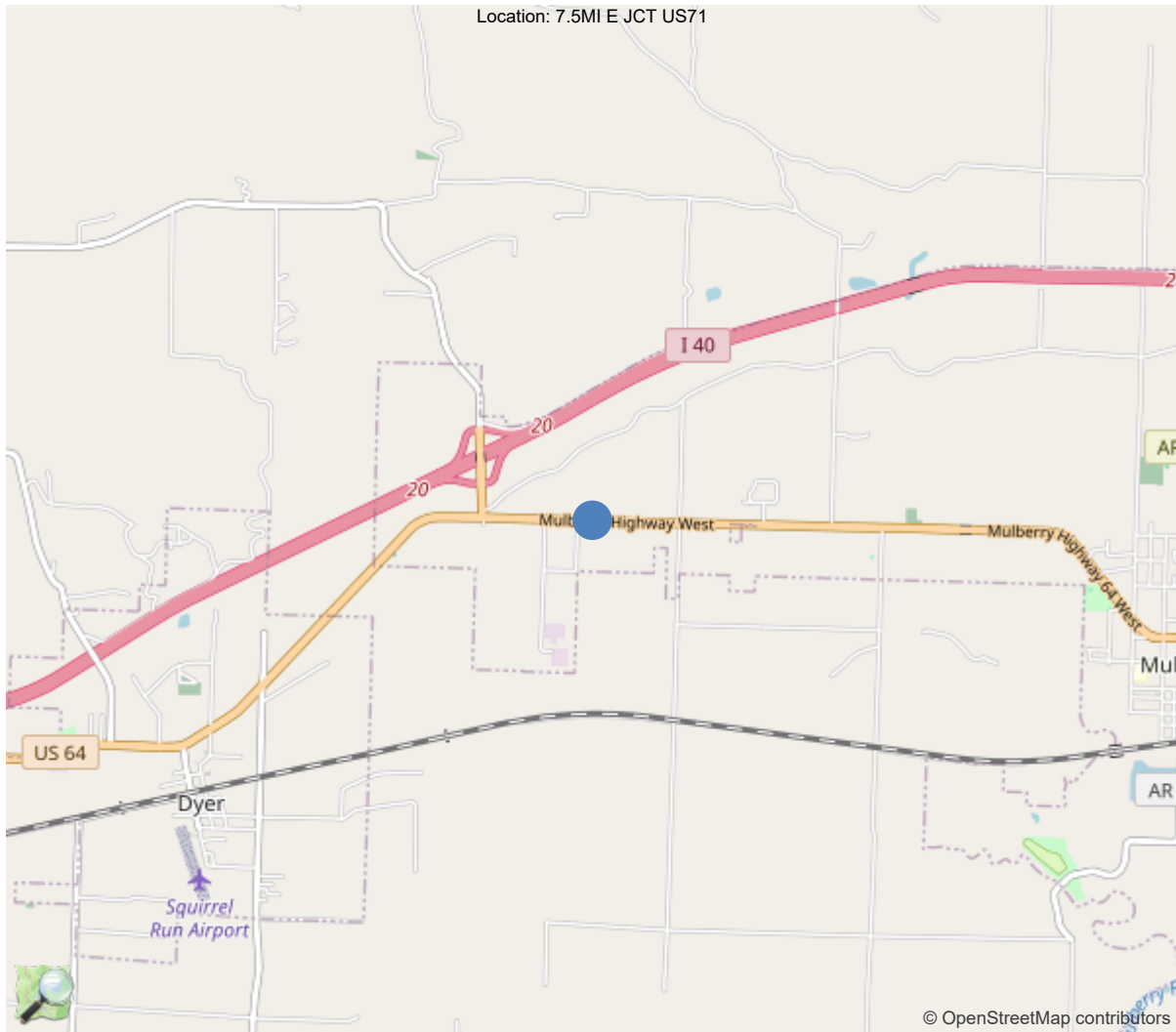
70 - Bridge Posting: 4 - 00.1 - 09.9 % below

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	23		
Code 9 (31 Tons)	27	27	27
Code 5 (40 Tons)	36	36	36

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



35.51089, -94.10369

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	02286
(5) Inventory Route	1
(2) Highway Agency District	04 - District 04
(3) County Code	33 - Crawford County
(4) Place Code	48200
(6) Features Intersected	Alexander Branch
(7) Facility Carried	US Highway 64
(9) Location	7.5MI E JCT US71
(11) Mile Point	15.72 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.5108910722208
(17) Longitude	-94.1036908065478
(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	3900
(30) Year of ADT	2024
(109) Truck ADT	4 %
(19) Bypass, Detour Length	3 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	22 ft
(49) Structure Length	23.2 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	30.1 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	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	5
(59) Superstructure	5
(60) Substructure	5
(61) Channel & Channel Protection	6
(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	37
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	22
(70) Bridge Posting	4 - 00.1 - 09.9 % below
(41) Structure Open/Posted/Closed	P - Posted for load (may inclu
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	4527
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			08/28/2024
(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		
<p>* 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.</p>			

Team Lead: Eric West, Inspection Date: 10/21/2025

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	02286
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	35.5108910722208
B.L.06 Longitude	-94.1036908065478
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	7.5MI E JCT US71
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	20
B.G.02 Total Bridge Length	23.3
B.G.03 Max Span Length	22
B.G.04 Min Span Length	20
B.G.05 Bridge Width Out-to-Out	30.2
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	40

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	11
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	703.66

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	0.61
B.LR.06 Operating Load Rating Factor	1.03
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	N - No E/E' 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	5 - FAIR - Some moderate defec
B.C.02 Superstructure Condition	5 - FAIR - Some moderate defec
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	6 - SATISFACTORY - Widespread
B.C.06 Bridge Railing Transitions Condition	N - NOT APPLICABLE - Component
B.C.07 Bridge Bearings Cond.	7 - GOOD - Some minor defects.
B.C.08 Bridge Joints Condition	N - NOT APPLICABLE - Bridge do
B.C.09 Channel Condition Rating	6 - SATISFACTORY - Widespread
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	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: Eric West, Inspection Date: 10/21/2025

SPAN SETS					
M1					
B.SP.02 # of Spans	1		B.SP.08 Deck Interaction	NC - Non-composite	
B.SP.03 # of Beam Lines	10		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	
W1					
B.SP.02 # of Spans	1		B.SP.08 Deck Interaction	IM - Integral or monolithic	
B.SP.03 # of Beam Lines	1		B.SP.09 Deck Material and Type	C01 - Reinforced concrete - ca	
B.SP.04 Span Material	C01 - Reinforced concrete - ca		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	S01 - Slab - solid		B.SP.12 Deck Reinforcing Protective System	0 - None	
B.SP.07 Span Protective System	0 - None		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	F01 - Footing - not 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	121	
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	27.8	
B.H.07 LRS Mile Point	15.72		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



Team Lead: Eric West, Inspection Date: 10/21/2025

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	Alexander Branch	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
(Inactive) (Inactive) PP-T - T	

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 #02286(Posting Sign Verification)

US Highway 64 over Alexander Branch

Location: 7.5MI E JCT US71

Team Lead: Eric West Inspection Date: 10/21/2025

Inspection Notes

General Observation

10/21/2025 - EJW & MPW - Posting Sign Verification Inspection conducted on this date, posting signs are in place at this inspection.

41 - Structure Open/Posted/Closed - Retired (P)

10/21/2025 - EJW & MPW - Posting Sign Verification Inspection conducted on this date, posting signs are in place at this inspection.

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

Deck is fair condition with mapcracking with moderate efflorescence in the undersurface.

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

Superstructure is in fair condition. Girder ends over the abutments have areas of corrosion with flaking rust. Top flanges have corrosion with section loss in several areas.

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 vertical cracks and isolated areas of concrete deterioration at base of stem walls.

61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.)

Channel-

The channel is generally in satisfactory condition with trees and vegetation slightly restricting the channel. The banks are vegetated and appear stable.

08/08/2023 - Underwater Type II Inspection: Visual observation in low water conditions revealed that there are no apparent scour problems at this inspection. Channel sounded / profiled this inspection. See Microstation sketch linked in Files for sounding measurements.

A-55 - Deck Washing Needed (Y)

Deck-

Shoulders have dirt and debris with vegetation growing that restricts the deck drains.

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

Superstructure -

Beams have a failing paint system with active corrosion with flaking rust and measurable section loss. The beam ends over abutments are the most notable areas of corrosion. Top flanges in several locations have heavy corrosion with flaking rust and section loss.

A-60 - Full Girder Painting Needed (Y)

Paint system is failing with freckled rust visible throughout.

National Bridge Element Quantities and Notes

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	420	88	208	124	0
1080	Delamination/Spall/Patched Area	SF	5	0	5	0	0
1090	Exposed Rebar	SF	8	0	0	8	0
1120	Efflorescence/Rust Staining	SF	130	0	78	52	0
1130	Cracking (RC and Other)	SF	189	0	125	64	0
510	Wearing Surfaces	SF	420	417	3	0	0
3210	Delam/Spall/Patched Area/Pothole	SF	3	0	3	0	0
(12) -Wearing surface has been fog sealed in the past and has no apparent problems. -Map cracking with moderate efflorescence visible from the undersurface of deck. The heaviest area of mapcracking extends from mid-span to abutment # 2. This area is quantified CS 3 cracking due to spacing of cracks. -Deck undersurface between beams # 9 and 10 has three areas of concrete spalling with exposed reinforcing steel. Initial section loss to the exposed reinforcing steel. Previous Inspection Note: -Actual field measurement in the Southwest deck drain, asphalt is 5" thick. (510-12) -Minor voids in asphalt wearing surface.							
38	RC Slab	SF	284	276	8	0	0
1080	Delamination/Spall/Patched Area	SF	4	0	4	0	0
1130	Cracking (RC and Other)	SF	4	0	4	0	0
510	Wearing Surfaces	SF	234	234	0	0	0
(38) -Left undersurface has grouted areas near abutment # 1. -Hairline longitudinal cracks adjacent to the deck drains. -Undersurface of slab portion of structure has staining adjacent to the deck drains.							
107	Steel Open Girder/Beam	LF	220	0	171	49	0
1000	Corrosion	LF	220	0	171	49	0
515	Steel Protective Coating	SF	715	310	0	310	95
3440	Effectiveness (Steel Protective Coatings)	SF	405	0	0	310	95
(107) -Beams have areas with active corrosion with flaking rust and section loss. The beam ends over the abutments are the most notable areas. The top flanges in several locations have heavy corrosion with flaking rust and section loss. Beams # 5 and # 9 over abutment # 1 have heavy corrosion with flaking rust and initial section loss. -The beams have freckled areas of rust throughout the surface of the beams. -No visible cracks apparent in the beams. (515-107) -The beams have freckled areas of rust throughout the surface of the beams.							
215	Reinforced Concrete Abutment	LF	114	0	110	4	0
1080	Delamination/Spall/Patched Area	LF	2	0	0	2	0

[illegible]

Inspection Photos and Notes



East approach load posting sign.



West approach load posting sign.



Elevation looking South

Maintenance Needs

Date Reported: 08/08/2013

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Abutment # 1 Right End Post -

Abutment # 1 right concrete end post has apparent collision damage that has created areas of light spalling with exposed reinforcing steel in the top of the end post and fractured the base of the post and curb below the post.

Remarks



08/28/2024

Abutment # 1 right concrete end post has apparent collision damage that has created areas of light spalling with exposed reinforcing steel in the top of the end post and fractured the base of the post and curb below the post.



03/27/2020

Abutment # 1 right concrete end post has apparent collision damage that has created areas of light spalling with exposed reinforcing steel in the top of the end post and fractured the base of the post and curb below the post.

Maintenance Needs

Date Reported: 07/11/2019

Priority: D- Routine

Type of Work: Substructure Repair

Status: Monitor

Component: Element

Deficiency Description

Substructure -

The abutments have isolated areas of concrete deterioration with section loss at the base of the stem walls.

Remarks



Abutment # 1-Concrete deterioration with section loss.



Abutment # 1-Concrete deterioration with section loss.

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is Recommended?
A-54 - Sealable Deck Cracks	No
A-55 - Deck Washing Needed	Yes
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	Yes
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?	
A-66 - Approach minor pothole/leveling needed	

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (Yes)

Deck-

Shoulders have dirt and debris with vegetation growing that restricts the deck drains.

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



Asset #02286(Posting Sign Verification)

US Highway 64 over Alexander Branch

Location: 7.5MI E JCT US71

Team Lead: Eric West Inspection Date: 10/21/2025

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

Superstructure -

Beams have a failing paint system with active corrosion with flaking rust and measurable section loss. The beam ends over abutments are the most notable areas of corrosion. Top flanges in several locations have heavy corrosion with flaking rust and section loss.

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

A-59 - Joint Repair Needed (No)

A-60 - Full Girder Painting Needed (Yes)

Paint system is failing with freckled rust visible throughout.

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?



Asset #02286(Posting Sign Verification)

US Highway 64 over Alexander Branch

Location: 7.5MI E JCT US71

Team Lead: Eric West **Inspection Date:** 10/21/2025

A-66 - Approach minor pothole/leveling needed



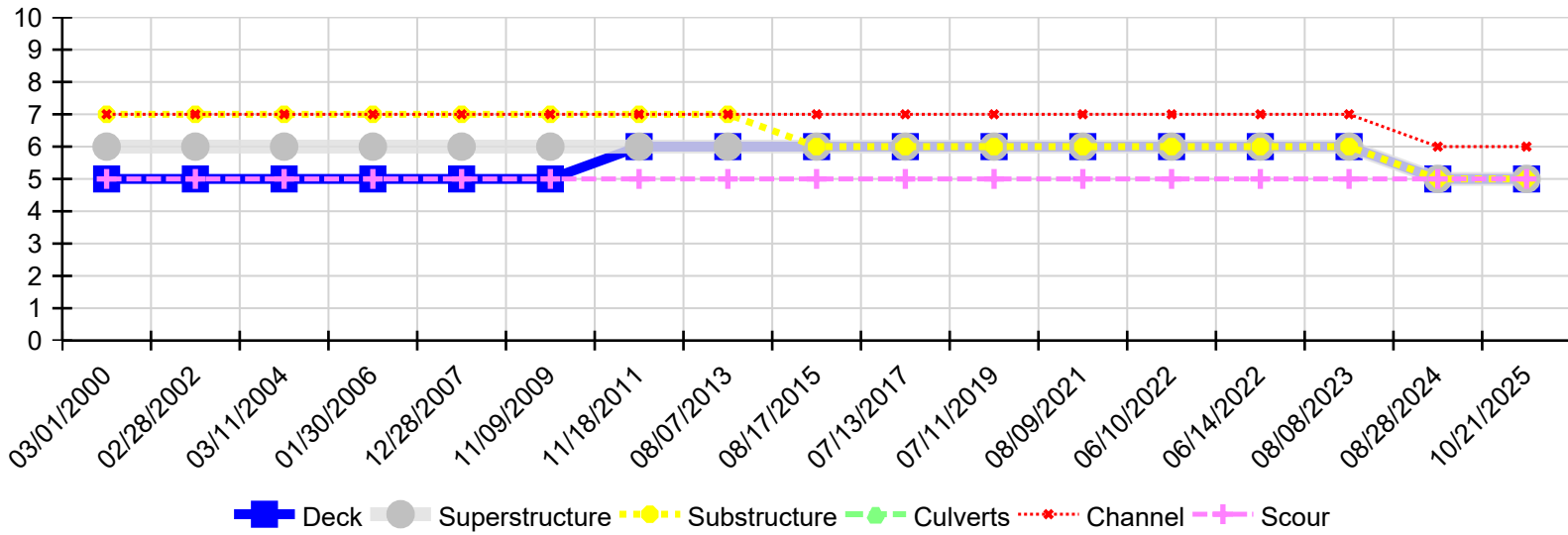
Asset #02286(Posting Sign Verification)

US Highway 64 over Alexander Branch

Location: 7.5MI E JCT US71

Team Lead: Eric West Inspection Date: 10/21/2025

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
10/21/2025	5	5	5	N	6	5
08/28/2024	5	5	5	N	6	5
08/08/2023	6	6	6	N	7	5
06/14/2022	6	6	6	N	7	5
06/10/2022	6	6	6	N	7	5
08/09/2021	6	6	6	N	7	5
07/11/2019	6	6	6	N	7	5
07/13/2017	6	6	6	N	7	5
08/17/2015	6	6	6	N	7	5
08/07/2013	6	6	7	N	7	5
11/18/2011	6	6	7	N	7	5
11/09/2009	5	6	7	N	7	5
12/28/2007	5	6	7	N	7	5
01/30/2006	5	6	7	N	7	5
03/11/2004	5	6	7	N	7	5
02/28/2002	5	6	7	N	7	5
03/01/2000	5	6	7	N	7	5