



Latitude:36.42509, Longitude:-94.21603

Route:40 Section:00 Log:0.43

Arnold Road ID:4xWMCNELLYRDx1xA, Arnold Log mile:0.778

District 09, 7 - Benton County

Owner: 2 - County Highway Agency

Inspection Direction: 4 - W to E

Bridge Posting Information

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

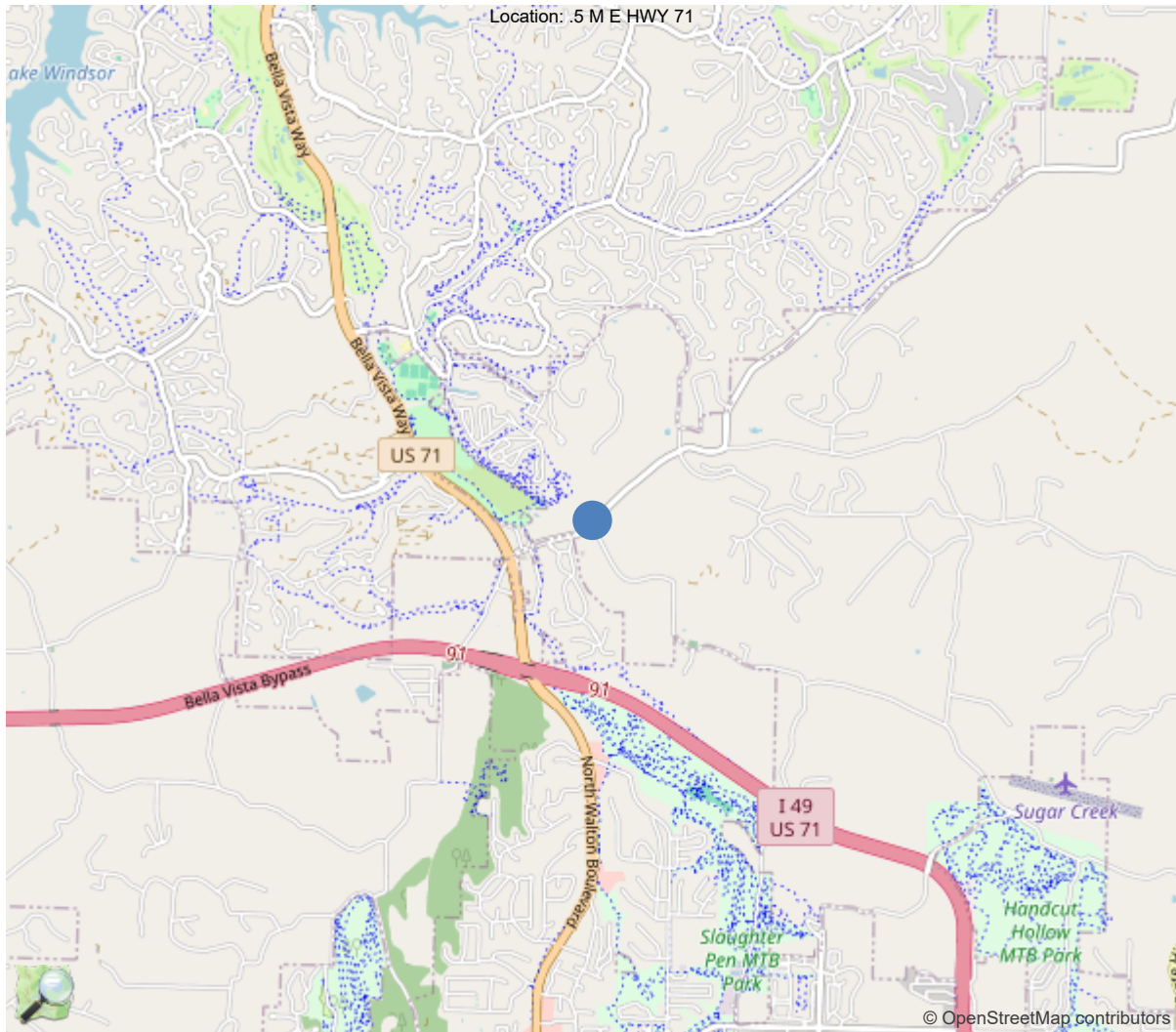
70 - Bridge Posting: 5 - Equal to or above legal loads

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



36.42509, -94.21603



Asset #04244(Routine, Underwater type 2)

CR 40-Benton Co. over LITTLE SUGAR CREEK

Location: .5 M E HWY 71

Team Lead: Anthony Wood Inspection Date: 01/13/2025

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	04244
(5) Inventory Route	1
(2) Highway Agency District	09 - District 09
(3) County Code	7 - Benton County
(4) Place Code	0
(6) Features Intersected	LITTLE SUGAR CREEK
(7) Facility Carried	CR 40-Benton Co.
(9) Location	.5 M E HWY 71
(11) Mile Point	0.43 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	36.4250860852613
(17) Longitude	-94.2160287177563
(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	9
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(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	1973
(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	12129
(30) Year of ADT	2017
(109) Truck ADT	1 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	31 ft
(49) Structure Length	279 ft
(50) Curb or Sidewalk Width	
Left	0.5 ft
Right	0.5 ft
(51) Bridge Roadway Width Curb to Curb	26.2 ft
(52) Deck Width Out to Out	28.2 ft
(32) Approach Roadway Width (W/Shoulders)	20 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	27.2 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	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	17 - Urban 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	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(21) Maintain	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	6
(59) Superstructure	6
(60) Substructure	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	4 - M 18 / H 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	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(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	
(114) Future ADT	461
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	01/13/2025		
(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: Anthony Wood, Inspection Date: 01/13/2025

IDENTIFICATION	
B.ID.01 Bridge Number	04244
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1973

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	7 - Benton County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	09 - District 09
B.L.05 Latitude	36.4250860852613
B.L.06 Longitude	-94.2160287177563
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	.5 M E HWY 71
B.L.12 Metropolitan Planning Organization	5

CLASSIFICATION	
B.CL.01 Owner	L01 - County highway agency
B.CL.02 Maint. Responsibility	L01 - County highway agency
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	278.9
B.G.02 Total Bridge Length	278.9
B.G.03 Max Span Length	30.8
B.G.04 Min Span Length	31
B.G.05 Bridge Width Out-to-Out	28.2
B.G.06 Bridge Width Curb-to-Curb	26.2
B.G.07 Left Curb or Sidewalk Width	0.7
B.G.08 Right Curb or Sidewalk Width	0.7
B.G.09 Approach Roadway Width	20

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	17
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	7868.4

LOADS AND LOAD RATING	
B.LR.01 Design Load	H20 - H-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	
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	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	6 - SATISFACTORY - Widespread
B.C.07 Bridge Bearings Cond.	N - NOT APPLICABLE - Component
B.C.08 Bridge Joints Condition	N - NOT APPLICABLE - Bridge do
B.C.09 Channel Condition Rating	5 - FAIR - Moderate defects; b
B.C.10 Channel Protection Condition	7 - GOOD - Some minor defects.
B.C.11 Scour Condition Rating	7 - Some minor 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: Anthony Wood, Inspection Date: 01/13/2025

SPAN SETS			
M1			
B.SP.02 # of Spans	9	B.SP.08 Deck Interaction	IM - Integral or monolithic
B.SP.03 # of Beam Lines	8	B.SP.09 Deck Material and Type	C02 - Reinforced concrete - pr
B.SP.04 Span Material	C02 - Reinforced concrete - pr	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	G07 - Girder/beam - channel ad	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	P01 - Pile - steel H-shape
B.SB.04 Substructure Type	A02 - Abutment - stub	B.SB.07 Foundation Protective System	0 - None
P1			
B.SB.02 No. of Substructure Units	8	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	P01 - Pile - steel H-shape
B.SB.04 Substructure Type	B03 - Bent - pile	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	12129
B.F.03 Feature Name	CR 40-Benton Co.	B.H.10 Annual ADTT	121
B.H.01 Functional Classification	C-T - TEMP - collector - 5 or	B.H.11 Year of Annual ADT	2017
B.H.02 Urban Code	T-U	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	N - Not on the NHFN	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	26.9
B.H.07 LRS Mile Point	0.43	B.H.17 Bypass Detour Length	5
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	40	2-T - TEMP - Two-way traffic - NS or EW	4 - County route	1 - Mainline



Team Lead: Anthony Wood, Inspection Date: 01/13/2025

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	LITTLE SUGAR CREEK	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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General Observation

Structure #04244 can be visually inspected from the ground with a ladder.

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

Overall, the deck is in satisfactory condition with moderate cracking in the wearing surface.

Spans 1 - 8, Wearing Surface: Moderate cracking.

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

Overall, the superstructure is in satisfactory condition with cracking, cracking with efflorescence, delams, spalling, and spalling with exposed reinforcing steel.

Span 1, Channel 2 & 6, Right Leg: Spalling.

Span 1, Channel 3, Diaphragm: Spalling with exposed reinforcing steel with section loss.

Span 1, Channel 2, 4 & 6: Longitudinal cracking with efflorescence.

Span 2, Channels 4 - 8: Failing repairs.

Span 2, Channel 3: Failing repair.

Span 2, Channel 4, Left Leg: Spalling with exposed reinforcing steel with section loss.

Span 2, Channel 4, Diaphragm: Spalling with exposed reinforcing steel with section loss.

Span 2, Channel 5: Cracking with efflorescence with build up.

Span 2, Channel 6: Spalling with exposed reinforcing steel with section loss.

Span 2, Channel 8, Diaphragm: Spalling with exposed reinforcing steel with section loss.

Span 3, Channel 7, Diaphragm: Delam.

Span 3, Channel 8, Diaphragm 1 & 2: Delam.

Span 3, Channel 8, Left Leg: Longitudinal cracking with efflorescence with build up.

Span 4, Channel 3, 4 & 6: Spalling with exposed reinforcing steel with section loss.

Span 5, Channel 2: Cracking with efflorescence with build up.

Span 5, Channels 2, 3, 6 & 8: Minor spalling.

Span 6, Channels 1 - 6: Spalling.

Bent 6, Piles 1 - 4: Active corrosion with flaking rust.

Span 6, Channel 5, Left Leg: Delam.

Span 6, Channels 2 - 7, Near Bolts: Cracking with efflorescence.

Span 7, Channel 1: Spalling with exposed reinforcing steel with section loss.

Span 7, Channels 1 & 3 - 8: Minor spalling.

Span 7, Channels 2, 4 & 5: Cracking with efflorescence.

Span 8, Channels 1, 3, 5, 6 & 7: Minor spalling.

Span 9, Channels 1 - 8: Minor spalling.

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

Overall, the substructure is in fair condition with cracking, delams, spalling, and spalling with exposed reinforcing steel in the concrete portions. Steel piles have minor to moderate active corrosion.

Bent 1, Pile 1: Active corrosion with flaking rust.
Bent 1, Right: Delam.
Bent 1, Pile 2 & 4: Minor active corrosion.
Bent 1, Left: Spalling.
Bent 2: Spalling with exposed reinforcing steel with section loss.
Bent 2, Back, Left & Right: Cracking with efflorescence with build up.
Bent 2, Piles 1 - 3: Minor active corrosion.
Bent 2, Piles 2 & 3, Ahead: Spalling with exposed reinforcing steel with section loss.
Bent 2, Pile 3, Back: Spalling.
Bent 2, Pile 3, Back: Spalling with exposed reinforcing steel with section loss.
Bent 2, Pile 4: Active corrosion with flaking rust.
Bent 2, Footing: Cracking.
Bent 3, Piles 1 - 4: Minor active corrosion.
Bent 3, Piles 1 - 4, Concrete Encasement: Cracking.
Bent 3, Between Piles 2 & 3, 3 & 4: Cracking.
Span 3, Channels 2 - 5: Minor spalling.
Bent 3, Pile 2, Ahead: Delam.
Bent 3, Adjacent to Pile 2: Spalling with exposed reinforcing steel with section loss.
Bent 4, Piles 1 - 4: Active corrosion with flaking rust.
Bent 4, Pile 1 & 4, Right: Spalling.
Bent 4, Pile 3, Ahead: Spalling with exposed reinforcing steel with section loss.
Bent 4, Pile 3, Back: Delam.
Bent 5, Pile 4: Minor damage.
Bent 5, Right: Spalling.
Bent 5, Pile 2, Ahead: Delam.
Bent 5, Pile 3, Back: Delam.
Bent 5, Piles 1 - 4: Active corrosion with flaking rust.
Bent 6, Right: Spalling.
Bent 7, Channels 2 & 3, 4 & 5: Bearing Area: Spalling.
Bent 7, Piles 1 - 4: Active corrosion with flaking rust.
Bent 7, Piles 2 & 3: Delam.
Bent 7, Channels 4 & 5, Bearing Area: Spalling.
Bent 8, Piles 2 & 3, Ahead & Back: Delam.

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.)
Overall, the channel is in satisfactory condition with brush at bent 4.

B.C.05 Bridge Railing Condition Rating (7 - GOOD - Some minor defects.)

Overall, the bridge rail is in good condition.

B.C.06 Bridge Railing Transitions Condition Rating (6 - SATISFACTORY - Widespread minor or isolated moderate defects.)

Overall, the transition railing is in satisfactory condition with minor impact damage.

B.C.10 Channel Protection Condition Rating (7 - GOOD - Some minor defects.)

Overall, the channel protection is in good condition. Large rock has been added at abutments 1 and 2.



Asset #04244(Routine, Underwater type 2)

CR 40-Benton Co. over LITTLE SUGAR CREEK

Location: .5 M E HWY 71

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A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (7 - Some minor scour.)

Overall, the scour condition is good.



Elevation.



Inventory.



Typical deck.



Typical undersurface.



Spans 1 - 8, Wearing Surface: Moderate cracking.



Span 1, Channel 2 & 6, Right Leg: Spalling.



Span 1, Channel 3, Diaphragm: Spalling with exposed reinforcing steel with section loss.



Span 1, Channel 2, 4 & 6: Longitudinal cracking with efflorescence.



Span 2, Channel 3: Failing repair.



Span 2, Channel 4, Left Leg: Spalling with exposed reinforcing steel with section loss.



Span 6, Channel 5, Left Leg: Delam.



Span 6, Channels 2 - 7, Near Bolts: Cracking with efflorescence.



Span 6, Channels 1 - 6: Spalling.



Span 5, Channel 2: Cracking with efflorescence with build up.



Span 5, Channels 2, 3, 6 & 8: Minor spalling.



Span 4, Channel 3, 4 & 6: Spalling with exposed reinforcing steel with section loss.



Span 3, Channel 7, Diaphragm: Delam.

Span 3, Channel 8, Diaphragm 1 & 2: Delam.



Span 3, Channel 8, Left Leg: Longitudinal cracking with efflorescence with build up.



Span 2, Channel 8, Diaphragm: Spalling with exposed reinforcing steel with section loss.



Span 2, Channel 6: Spalling with exposed reinforcing steel with section loss.



Span 2, Channels 4 - 8: Failing repairs.



Span 2, Channel 5: Cracking with efflorescence with build up.



Span 2, Channel 4, Diaphragm: Spalling with exposed reinforcing steel with section loss.



Span 7, Channel 1: Spalling with exposed reinforcing steel with section loss.



Span 4, Channels 3 & 5: Minor spalling.



Span 7, Channels 1 & 3 - 8: Minor spalling.



Span 7, Channels 2, 4 & 5: Cracking with efflorescence.



Span 8, Channels 1, 3, 5, 6 & 7: Minor spalling.



Span 9, Channels 1 - 8: Minor spalling.



Bent 5, Pile 4: Minor damage.



Bent 8, Piles 2 & 3, Ahead & Back: Delam.



Bent 7, Channels 2 & 3, 4 & 5: Bearing Area: Spalling.



Bent 7, Piles 1 - 4: Active corrosion with flaking rust.



Bent 7, Piles 2 & 3: Delam.



Bent 6, Right: Spalling.



Bent 6, Piles 1 - 4: Active corrosion with flaking rust.



Bent 7, Channels 4 & 5, Bearing Area: Spalling.



Bent 5, Right: Spalling.



Bent 5, Pile 2, Ahead: Delam.

Bent 5, Pile 3, Back: Delam.



Bent 5, Piles 1 - 4: Active corrosion with flaking rust.



Bent 2: Spalling with exposed reinforcing steel with section loss.



Bent 4, Piles 1 - 4: Active corrosion with flaking rust.



Bent 4, Pile 3, Ahead: Spalling with exposed reinforcing steel with section loss.

Bent 4, Pile 3, Back: Delam.



Bent 4, Pile 1 & 4, Right: Spalling.



Bent 3, Piles 1 - 4, Concrete Encasement: Cracking.



Bent 3, Pile 2, Ahead: Delam.



Bent 3, Adjacent to Pile 2: Spalling with exposed reinforcing steel with section loss.



Bent 3, Piles 1 - 4: Minor active corrosion.



Bent 3, Between Piles 2 & 3, 3 & 4: Cracking.



Span 3, Channels 2 - 5: Minor spalling.



Bent 2, Piles 2 & 3, Ahead: Spalling with exposed reinforcing steel with section loss.



Bent 2, Footing: Cracking.



Bent 1, Left: Spalling.



Bent 2, Back, Left & Right: Cracking with efflorescence with build up.



Bent 2, Pile 3, Back: Spalling with exposed reinforcing steel with section loss.



Bent 2, Piles 1 - 3: Minor active corrosion.



Bent 2, Pile 4: Active corrosion with flaking rust.



Bent 2, Pile 3, Back: Spalling.



Bent 1, Pile 2 & 4: Minor active corrosion.



Bent 1, Pile 1: Active corrosion with flaking rust.



Bent 1, Right: Delam.



Channel, Left.



Channel, Right.



Bent 4, Right: Large brush.



Typical bridge rail.



Large boulders added to channel.

Maintenance Needs

Date Reported: 01/02/2017

Priority: C - Important

Type of Work: Substructure Repair

Status: Open

Component: Substructure

Deficiency Description

Substructure:

Bent 1, Pile 1: Active corrosion with flaking rust.

Bent 1, Pile 2 & 4: Minor active corrosion.

Bent 2, Piles 1 - 3: Minor active corrosion.

Bent 2, Pile 4: Active corrosion with flaking rust.

Bent 3, Piles 1 - 4: Minor active corrosion.

Bent 4, Piles 1 - 4: Active corrosion with flaking rust.

Bent 5, Piles 1 - 4: Active corrosion with flaking rust.

Bent 7, Piles 1 - 4: Active corrosion with flaking rust.

Remarks



Bent 1, Pile 1: Active corrosion with flaking rust.



Bent 1, Pile 2 & 4: Minor active corrosion.



Bent 2, Piles 1 - 3: Minor active corrosion.



Bent 2, Pile 4: Active corrosion with flaking rust.



Bent 3, Piles 1 - 4: Minor active corrosion.



Bent 4, Piles 1 - 4: Active corrosion with flaking rust.



Bent 5, Piles 1 - 4: Active corrosion with flaking rust.



Bent 7, Piles 1 - 4: Active corrosion with flaking rust.



Bent #1, pile #1-Corrosion to top plate and piling.



Typical failing paint system of steel piling.



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Location: .5 M E HWY 71

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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	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	No
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	No

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (No)

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



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CR 40-Benton Co. over LITTLE SUGAR CREEK

Location: .5 M E HWY 71

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

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)

A-64 - Vegetation Removal Requested (No)



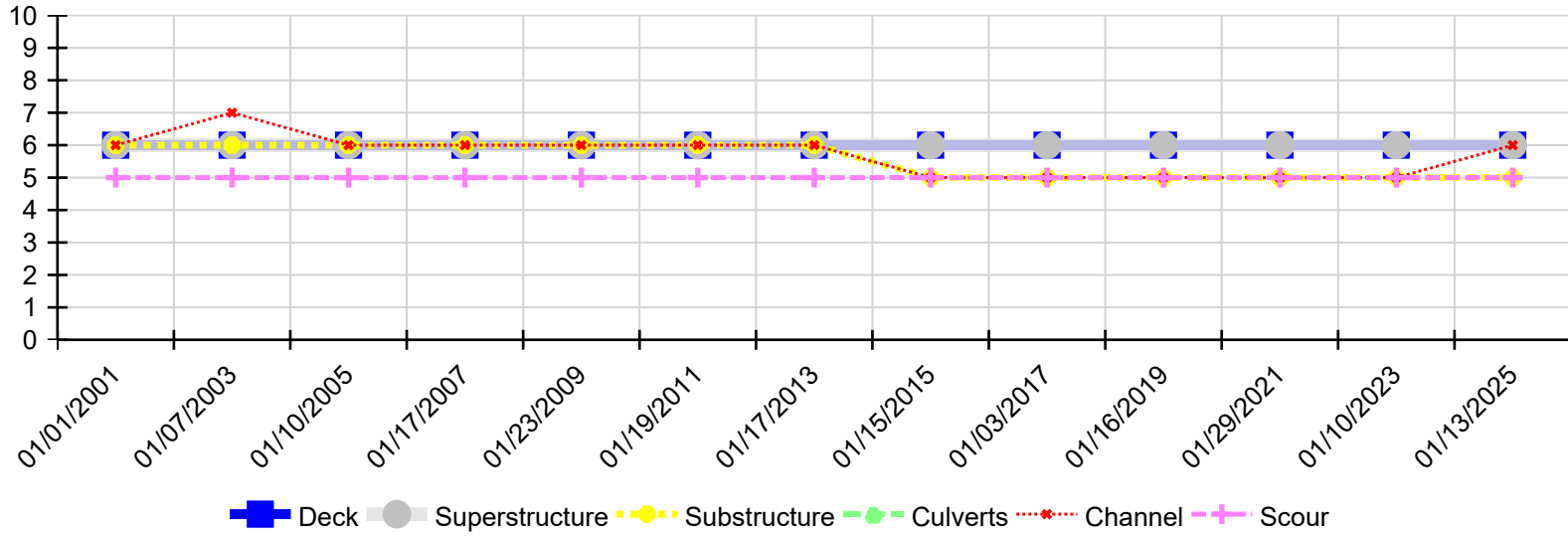
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CR 40-Benton Co. over LITTLE SUGAR CREEK

Location: .5 M E HWY 71

Team Lead: Anthony Wood Inspection Date: 01/13/2025

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
01/13/2025	6	6	5	N	6	5
01/10/2023	6	6	5	N	5	5
01/29/2021	6	6	5	N	5	5
01/16/2019	6	6	5	N	5	5
01/03/2017	6	6	5	N	5	5
01/15/2015	6	6	5	N	5	5
01/17/2013	6	6	6	N	6	5
01/19/2011	6	6	6	N	6	5
01/23/2009	6	6	6	N	6	5
01/17/2007	6	6	6	N	6	5
01/10/2005	6	6	6	N	6	5
01/07/2003	6	6	6	N	7	5
01/01/2001	6	6	6	N	6	5