

Bridge A6518 Inspection Report



Latitude:34.98917, Longitude:-90.89197

Route:40 Section:51 Log:233.97

Arnold Road ID:68x40x51xB, Arnold Log mile:50.538

District 01, 123 - St. Francis County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

Bridge Posting Information

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

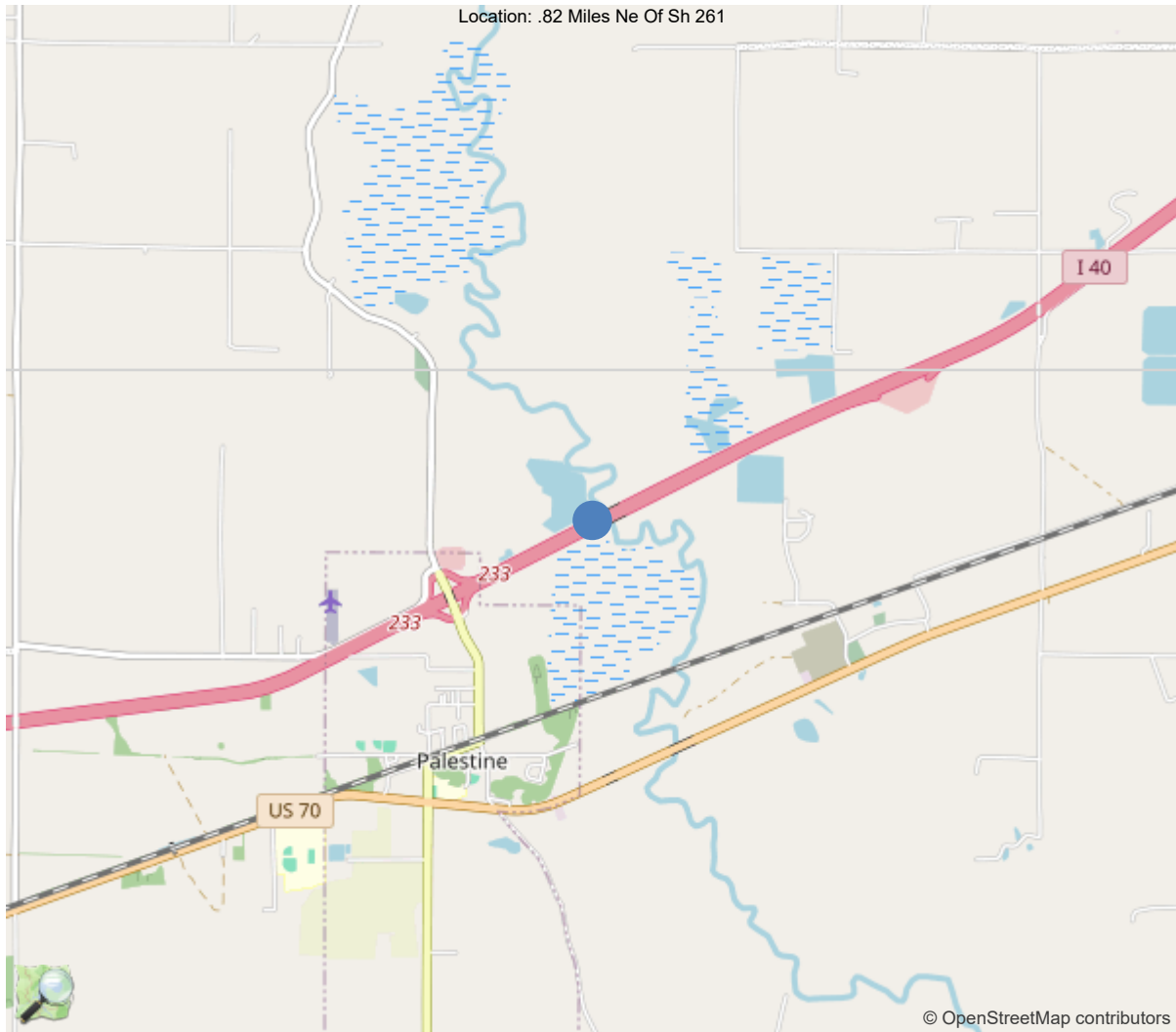
70 - Bridge Posting: 5 - Equal to or above legal loads

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



34.98917, -90.89197

National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	A6518
(5) Inventory Route	1
(2) Highway Agency District	01 - District 01
(3) County Code	123 - St. Francis County
(4) Place Code	0
(6) Features Intersected	Languille River
(7) Facility Carried	I-40WB/Se51/233.97
(9) Location	.82 Miles Ne Of Sh 261
(11) Mile Point	233.97 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000040510
(16) Latitude	34.98917
(17) Longitude	-90.891968
(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	7
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	5 - Epoxy Overlay
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	1997
(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	33000
(30) Year of ADT	2019
(109) Truck ADT	65 %
(19) Bypass, Detour Length	10 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	150 ft
(49) Structure Length	792 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	42.8 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	40 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	1
(26) Functional Class	1 - Rural Principal Arterial -
(100) Defense Highway	1 - The inventory route is on
(101) Parallel Structure	L - The left structure of para
(102) Direction of Traffic	1 - 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	6 - MS 18+Mod / HS 20+Mod
(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	7
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	9
(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	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	19965
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			04/07/2025
(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: Myron Futrell, Inspection Date: 04/07/2025

Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	A6518
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	A3775
B.W.01 Year Built	1997

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	123 - St. Francis County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	01 - District 01
B.L.05 Latitude	34.98917
B.L.06 Longitude	-90.891968
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	.82 Miles Ne Of Sh 261
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	786.5
B.G.02 Total Bridge Length	792
B.G.03 Max Span Length	149.9
B.G.04 Min Span Length	83
B.G.05 Bridge Width Out-to-Out	42.7
B.G.06 Bridge Width Curb-to-Curb	40
B.G.07 Left Curb or Sidewalk Width	0
B.G.08 Right Curb or Sidewalk Width	0
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	21
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	33779.3

LOADS AND LOAD RATING	
B.LR.01 Design Load	HS20M - HS-20 and Military
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	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	7 - GOOD - Some minor defects.
B.C.02 Superstructure Condition	7 - GOOD - Some minor defects.
B.C.03 Substructure Condition	7 - GOOD - Some minor defects.
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	7 - GOOD - Some minor defects.
B.C.07 Bridge Bearings Cond.	8 - VERY GOOD - Some inherent
B.C.08 Bridge Joints Condition	5 - FAIR - Some moderate defec
B.C.09 Channel Condition Rating	5 - FAIR - Moderate defects; b
B.C.10 Channel Protection Condition	5 - FAIR - Some moderate defec
B.C.11 Scour Condition Rating	7 - Some minor scour.
B.C.12 Bridge Condition Classification	G - Good
B.C.13 Lowest Condition Rating	7 - GOOD - Some minor defects.
B.C.14 NSTM Insp. Condition	N - NOT APPLICABLE - Component
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	A - Seismic evaluation completed. B

SPAN SETS			
M1			
B.SP.02 # of Spans	7	B.SP.08 Deck Interaction	CU - Composite - unshored cons
B.SP.03 # of Beam Lines	5	B.SP.09 Deck Material and Type	C01 - Reinforced concrete - ca
B.SP.04 Span Material	S02 - Steel - welded	B.SP.10 Wearing Surface	P01 - Polymer - epoxy
B.SP.05 Span Continuity	2 - Continuous	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	C01 - Coating - epoxy coated
B.SP.07 Span Protective System	P01 - Patina - uncoated weathe	B.SP.13 Deck Stay-In-Place Forms	M01 - Metal

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	P02 - Pile - steel pipe
B.SB.04 Substructure Type	A02 - Abutment - stub	B.SB.07 Foundation Protective System	0 - None
P2			
B.SB.02 No. of Substructure Units	6	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	P02 - Pile - steel pipe
B.SB.04 Substructure Type	P01 - Pier - wall	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	33000
B.F.03 Feature Name	I-40WB/Se51/233.97	B.H.10 Annual ADTT	21450
B.H.01 Functional Classification	1 - Interstate	B.H.11 Year of Annual ADT	2019
B.H.02 Urban Code	99999	B.H.12 Highway Max Usable Vertical Clearance	99.9
B.H.03 NHS Designation	Y - 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	1 - STRAHNET route	B.H.15 Highway Min Horizontal Clearance, Right	
B.H.06 LRS Route ID	40510	B.H.16 Highway Max Usable Surface Width	39.6
B.H.07 LRS Mile Point	233.97	B.H.17 Bypass Detour Length	10
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	40W	1-T - TEMP - One-way traffic - NB or EB or SB or WB	1 - Interstate route	1 - Mainline



Team Lead: Myron Futrell, Inspection Date: 04/07/2025

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	Languille River	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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Asset #A6518(Routine, Underwater type 2)

I-40WB/Se51/233.97 over Languille River

Location: .82 Miles Ne Of Sh 261

Team Lead: Myron Futrell Inspection Date: 04/07/2025

Inspection Notes

General Observation

Team Lead-Myron Futrell
Senior Bridge Inspector-Drew Melton
Bridge Inspectors-Austin Crain, Charley Smith
Bridge accessed with Aspen Aerial A-40 Under Bridge Inspection Unit.
Lane closure provided by District Bridge Crew with the assistance of St. Francis County Area Maintenance.

Drawing numbers: 34349,34366,34371,34376.

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

Reinforced concrete deck is in overall good condition. Deck has epoxy overlay and metal stay in place forms. Deck surface cracks have been sealed with epoxy overlay, undersurface of overhangs have transverse cracks with light to moderate efflorescence.

01/29/2019 lowered deck from 7 to 6 due to excessive number of open cracks.
1/26/2021-Raised deck from 6 to 7 due to epoxy overlay sealing deck cracks.

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

A588 steel superstructure is in overall good condition. Steel protective coating has a granular texture and a few girder ends have scaly rust with no measurable section loss. One field splice bolt is loose, and one diaphragm has loose bolts and one missing bolt.

01/09/2023 lowered superstructure from 8 to 7 due to some scaly rust on a few girder ends.

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

Reinforced concrete substructure is in overall good condition. Abutment caps and backwalls have several vertical cracks with light to moderate efflorescence. Pier walls and caps have a few hairline cracks.

01/09/2023 lowered substructure from 8 to 7 due to minor cracks and delaminated areas on caps, and minor abrasion on pier walls.

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.)

Channel is in overall fair condition. Channel alignment is good, and slopes are well vegetated. Trees and brush restrict flow slightly.

01/09/2023 lowered channel from 8 to 5 due to debris restrictions in channel.

A-55 - Deck Washing Needed (Y)

Gutters have dirt and debris.



Asset #A6518(Routine, Underwater type 2)

I-40WB/Se51/233.97 over Languille River

Location: .82 Miles Ne Of Sh 261

Team Lead: Myron Futrell Inspection Date: 04/07/2025

A-56 - Joint Cleaning/Flushing Needed (Y)

Seals have debris in them in gutters.

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

Span 3, girder 1, bent 4, last 10' on bottom of bottom flange and lower web: some scaling rust 1/4" or less flakes.

Corrosion 10LF CS3

Span 4, girder 1, bent 4, first 10' of bottom flange and lower web has scaly rust 1/4" or less flakes. Corrosion 10LF CS3

Span 4, girder 1, bent 5 last 10': minor scaling on outside web and bottom flange. Bottom of bottom flange also has minor scaling. Corrosion 10LF CS3

Span 5, girder 1, bent 5, first 3': minor scaling on outside web and bottom flange. Bottom of bottom flange also has minor scaling. Corrosion 3LF CS3

Span 7, girder 4, bent 8, last 6': minor scaling on bottom flange. Corrosion 6LF CS3

A-58 - Cap Cleaning/Flushing Needed (Y)

Bent 3 and abutments, pier caps: dirt and debris on caps.

A-59 - Joint Repair Needed (Y)

Abutment 1, pourable joint seal: split full width, typical split.

Abutment 2, pourable joint seal, right lane: split.

A-63 - Missing/Incorrect Log Mile Signage (Y)

No log mile sign in place.

A-64 - Vegetation Removal Requested (Y)

Small trees and vegetation growing under and beside bridge.

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

Minor cracking with light efflorescence and a few minor spalls.

B.C.06 Bridge Railing Transitions Condition Rating (7 - GOOD - Some minor defects.)

Abutment 1 left transition has very minor damage.

B.C.07 Bridge Bearings Condition Rating (8 - VERY GOOD - Some inherent defects.)

No deficiencies noted.

B.C.08 Bridge Joints Condition Rating (5 - FAIR - Some moderate defects.)

Pourable joint seals at abutments are split causing leakage.

B.C.10 Channel Protection Condition Rating (5 - FAIR - Some moderate defects; performance of the channel protection is not affected.)

Some riprap in place.



Asset #A6518(Routine, Underwater type 2)

I-40WB/Se51/233.97 over Languille River

Location: .82 Miles Ne Of Sh 261

Team Lead: Myron Futrell Inspection Date: 04/07/2025

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

Some minor slope erosion beneath structure.

National Bridge Element Quantities and Notes

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	33812	33020	792	0	0
1120	Efflorescence/Rust Staining	SF	792	0	792	0	0
1130	Cracking (RC and Other)	SF	8261	8261	0	0	0
510	Wearing Surfaces	SF	31600	31000	600	0	0
7000	Damage	SF	600	0	600	0	0
(12) 1/26/2021-deck cracks have been sealed with epoxy overlay at time of inspection.							
Both gutters have large amounts of debris.							
Deck, wearing surface, spans 4 and 5: some gouges in left lane. Damage 600SF CS2							
Undersurface of overhangs: transverse cracks with light efflorescence spaced 2' to 4' apart. Efflorescence 792SF CS2							
Deck surface: sealed deck cracks. Cracking 8261SF CS1							
107	Steel Open Girder/Beam	LF	3950	3909	1	40	0
1000	Corrosion	LF	39	0	0	39	0
1020	Connection	LF	2	0	1	1	0
515	Steel Protective Coating	SF	31680	0	31641	39	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	SF	31680	0	31641	39	0
(107) Steel protective coating, full length: granular texture, 39LF has scaly rust less than 1/2" flakes. Oxide film degradation 31641SF CS2, 39SF CS3							
Span 3, bay 2, diaphragm 3: left lower connection bolts loose with one missing and one grade 5 bolt. Connection 1LF CS3							
Span 3, girder 1, field splice: one loose nut on second row from bottom in center. Connection 1LF CS2							
Span 3, right side of girder 3, diaphragm 8 at bottom: dented.							
Span 3, girder 1, bent 4, last 10' on bottom of bottom flange and lower web: some scaling rust 1/4" or less flakes. Corrosion 10LF CS3							
Span 4, girder 1, bent 4, first 10' of bottom flange and lower web has scaly rust 1/4" or less flakes. Corrosion 10LF CS3							
Span 4, girder 1, bent 5 last 10': minor scaling on outside web and bottom flange. Bottom of bottom flange also has minor scaling. Corrosion 10LF CS3							
Span 5, girder 1, bent 5, first 3': minor scaling on outside web and bottom flange. Bottom of bottom flange also has minor scaling. Corrosion 3LF CS3							
Span 7, girder 4, bent 8, last 6': minor scaling on bottom flange. Corrosion 6LF CS3							
(515-107) Steel protective coating: granular texture.							
210	Reinforced Concrete Pier Wall	LF	240	154	86	0	0
1090	Exposed Rebar	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	5	0	5	0	0
1190	Abrasion/Wear (PSC/RC)	LF	80	0	80	0	0
(210) 09/22/2022 - KAW, AMJ & JAN							

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Pier walls: a few minor cracks. Cracking 4LF CS2 Piers 4 and 5: minor abrasion and water staining at the high-water marks. Abrasion 80LF CS2 Bents 3 and 6, each have caps rest of interior bents are pier wall only. Bent 5, pier wall, left end: small, delaminated area with small piece of reinforcing steel exposed at top. Rebar 1LF CS2 Bent 7, pier wall, left top corner: small area of repair with minor cracks. Cracking 1LF CS2							
215	Reinforced Concrete Abutment	LF	126	114	12	0	0
1120	Efflorescence/Rust Staining	LF	12	0	12	0	0
(215) Reinforced concrete abutment, back walls and pier caps: vertical open hairline cracks some with light efflorescence. Efflorescence 12LF CS2							
234	Reinforced Concrete Pier Cap	LF	83	83	0	0	0
1130	Cracking (RC and Other)	LF	20	20	0	0	0
(234) Bent 3 and 6, each have caps rest of interior bent are pier wall only. Bents 3 and 6, pier caps: dirt and debris on caps. Bents 3 and 6, pier caps: a few hairline vertical cracks on faces. Bent 3, pier cap, left end: some hairline vertical and horizontal cracks.							
300	Strip Seal Expansion Joint	LF	86	54	32	0	0
2350	Debris Impaction	LF	32	0	32	0	0
(300) Strip seals: debris in them in gutters. Debris Impaction 32LF CS2							
301	Pourable Joint Seal	LF	80	9	23	48	0
2310	Leakage	LF	48	0	0	48	0
2350	Debris Impaction	LF	3	0	3	0	0
2360	Adjacent Deck or Header	LF	20	0	20	0	0
(301) Abutment 1 and 2 joints have been rehabbed with the epoxy overlay and changed to pourable joint seal. Pourable joint seal, abutment 1, right and left travel lanes and right shoulder: road iron removed on approach side and joint has been turned into a poured seal. Seal split and leaking full width. Leakage 40LF CS3 Abutment 2, pourable joint seal: right lane split for 8LF and 18LF joint steel has been removed from right lane and shoulder, left side has 3LF debris impaction. Leakage 8LF CS3, Debris Impaction 3LF CS2, Adjacent header 20LF CS2							
310	Elastomeric Bearing	EA	50	50	0	0	0
(310) No deficiencies noted.							
321	Reinforced Concrete Approach Slab	SF	1752	1752	0	0	0
1130	Cracking (RC and Other)	SF	280	280	0	0	0
510	Wearing Surfaces	SF	1752	1750	2	0	0
3210	Delam/Spall/Patched Area/Pothole	SF	2	0	2	0	0
(321) Approach slabs have epoxy overlay.							

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
Abutment 2, approach slab, wearing surface: 1' spalled off at centerline and a small spall in left lane. Wearing surface Spall 2SF CS2							
331	Reinforced Concrete Bridge Railing	LF	1584	1186	398	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1120	Efflorescence/Rust Staining	LF	396	0	396	0	0
(331) Reinforced concrete bridge rails: vertical cracks with light efflorescence. Right bridge rail cracked spaced approximately 3' and approximately 60LF longitudinal cracking near top with light efflorescence. Efflorescence 456LF CS2 Reinforced concrete bridge rails, span 2, left side: two 1' shallow spalls no reinforcing steel exposed due to collision mid span. Spall 2LF CS2							

Inspection Photos and Notes



Side view / elevation



Channel, right side



Channel, left side



Side view / elevation



Top view / inventory



Bridge rail, left side



Bridge rail, right side



Abutment 2, left transition



Abutment 2, right transition



Abutment 1, approach guard cable, right side.



Abutment 1, transition and approach rail left side.



Abutment 2, approach rail, right side



Abutment 2, approach rail, left side



Typical deck.



Typical transverse cracking in undersurface of overhang.



Typical undersurface of deck



Span 3, bay 2, diaphragm 3: left lower connection bolts loose with one missing and one grade 5 bolt.



Span 3, right side of girder 3, diaphragm 8 at bottom: dented.



Span 3, girder 1, field splice: one loose nut on second row from bottom in center.



Span 3, girder 1, bent 4, last 10' on bottom of bottom flange and lower web: some scaling rust 1/4" or less flakes.



04/07/2025

Span 3, girder 1, bent 4, last 10' on bottom of bottom flange and lower web: some scaling rust 1/4" or less flakes.



04/07/2025

Span 4, girder 1, bent 4, first 10' of bottom flange and lower web has scaly rust 1/4" or less flakes.



04/07/2025

Span 4, girder 1, bent 4, first 10' of bottom flange and lower web has scaly rust 1/4" or less flakes.



04/07/2025

Span 4, girder 1, bent 5 last 10': minor scaling on bottom of bottom flange has minor scaling.



Span 4, girder 1, bent 5 last 10': minor scaling on outside web and bottom flange.



Span 5, girder 1, bent 5, first 3': minor scaling on outside web and bottom flange.



Span 5, girder 1, bent 5, first 3': minor scaling on bottom of bottom flange has minor scaling.



Abutment 1



Bent 5, pier wall, left end: small, delaminated area with small piece of reinforcing steel exposed at top.



Bent 7, pier wall, left top corner: small area of repair with minor cracks.



Abutment 2



Typical intermediate bent



04/07/2025

Channel, left side



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Channel, right side



04/07/2025

Abutment 1, approach roadway, left lane at white line: 1' spall 2" deep.



04/07/2025

Dirt and debris in gutters.



Typical dirt and debris in joint.



Span 5, girder 1, bent 5, first 3': minor scaling on bottom of bottom flange has minor scaling.



Span 5, girder 1, bent 5, first 3': minor scaling on outside web and bottom flange.



Span 4, girder 1, bent 5 last 10': minor scaling on outside web and bottom flange.



Span 4, girder 1, bent 5 last 10': minor scaling on bottom of bottom flange has minor scaling.



Span 4, girder 1, bent 4, first 10' of bottom flange and lower web has scaly rust 1/4" or less flakes.



Span 4, girder 1, bent 4, first 10' of bottom flange and lower web has scaly rust 1/4" or less flakes.



Span 3, girder 1, bent 4, last 10' on bottom of bottom flange and lower web: some scaling rust 1/4" or less flakes.



Typical dirt and debris on bent 3 pier cap.



Dirt and debris on abutment caps.



Abutment 1, pourable joint seal: split full width, typical split.



Abutment 2, pourable joint seal, right lane: split.



No log mile sign in place.



Small trees and vegetation growing under and beside bridge.



Bent 5: out of water at time of under water inspection



Typical dirt and debris in joint.



Abutment 1, pourable joint seal: split full width.



Abutment 2, pourable joint seal.



Abutment 2, approach slab

Maintenance Needs

Date Reported: 01/26/2021

Priority: C - Important

Type of Work: Repair (General)

Status: Repair Documented

Component: Approach

Deficiency Description

Abutment #1,2 approach roadway overlay are spalled at end of approach slab.

Remarks

4/7/2025- Repairs have been at time of inspection.



Abutment 2, approach roadway



Abutment 1, approach roadway

Maintenance Needs

Date Reported: 01/26/2021

Priority: C - Important

Type of Work: Repair (General)

Status: Monitor

Component: Approach

Deficiency Description

Abutment 2, left approach shoulder slope: eroded up to 20' wide from shoulder pavement down slope.

Remarks



Abutment 2, left approach shoulder slope: eroded up to 20' wide from shoulder pavement down slope.

Maintenance Needs

Date Reported: 01/06/2015

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Span 3, bay 2, diaphragm 3: left lower connection bolts loose with one missing and one grade 5 bolt.

Span 3, girder 1, field splice: one loose nut on second row from bottom in center.

Remarks



04/07/2025

Span 3, girder 1, field splice: one loose nut on second row from bottom in center.



04/07/2025

Span 3, bay 2, diaphragm 3: left lower connection bolts loose with one missing and one grade 5 bolt.



Asset #A6518(Routine, Underwater type 2)

I-40WB/Se51/233.97 over Languille River

Location: .82 Miles Ne Of Sh 261

Team Lead: Myron Futrell Inspection Date: 04/07/2025

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	Yes
A-57 - Beam End and Bearing Paint Needed	Yes
A-58 - Cap Cleaning/Flushing Needed	Yes
A-59 - Joint Repair Needed	Yes
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	Yes
A-64 - Vegetation Removal Requested	Yes
A-65 - Clogged deck drains?	
A-66 - Approach minor pothole/leveling needed	

A-54 - Sealable Deck Cracks (No)

A-55 - Deck Washing Needed (Yes)

Gutters have dirt and debris.



Dirt and debris in gutters.

A-56 - Joint Cleaning/Flushing Needed (Yes)

Seals have debris in them in gutters.



Typical dirt and debris in joint.

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

Span 3, girder 1, bent 4, last 10' on bottom of bottom flange and lower web: some scaling rust 1/4" or less flakes. Corrosion 10LF CS3

Span 4, girder 1, bent 4, first 10' of bottom flange and lower web has scaly rust 1/4" or less flakes. Corrosion 10LF CS3

Span 4, girder 1, bent 5 last 10': minor scaling on outside web and bottom flange. Bottom of bottom flange also has minor scaling. Corrosion 10LF CS3

Span 5, girder 1, bent 5, first 3': minor scaling on outside web and bottom flange. Bottom of bottom flange also has minor scaling. Corrosion 3LF CS3

Span 7, girder 4, bent 8, last 6': minor scaling on bottom flange. Corrosion 6LF CS3



Span 5, girder 1, bent 5, first 3': minor scaling on bottom of bottom flange has minor scaling.



Span 5, girder 1, bent 5, first 3': minor scaling on outside web and bottom flange.



Span 4, girder 1, bent 5 last 10': minor scaling on outside web and bottom flange.



Span 4, girder 1, bent 5 last 10': minor scaling on bottom of bottom flange has minor scaling.



Span 4, girder 1, bent 4, first 10' of bottom flange and lower web has scaly rust 1/4" or less flakes.



Span 4, girder 1, bent 4, first 10' of bottom flange and lower web has scaly rust 1/4" or less flakes.



Span 3, girder 1, bent 4, last 10' on bottom of bottom flange and lower web: some scaling rust 1/4" or less flakes.

A-58 - Cap Cleaning/Flushing Needed (Yes)

Bent 3 and abutments, pier caps: dirt and debris on caps.



Typical dirt and debris on bent 3 pier cap.



Dirt and debris on abutment caps.

A-59 - Joint Repair Needed (Yes)

Abutment 1, pourable joint seal: split full width, typical split.

Abutment 2, pourable joint seal, right lane: split.



Abutment 1, pourable joint seal: split full width, typical split.



Abutment 2, pourable joint seal, right lane: split.

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 (Yes)

No log mile sign in place.



No log mile sign in place.

A-64 - Vegetation Removal Requested (Yes)

Small trees and vegetation growing under and beside bridge.



Small trees and vegetation growing under and beside bridge.

A-65 - Clogged deck drains?

A-66 - Approach minor pothole/leveling needed



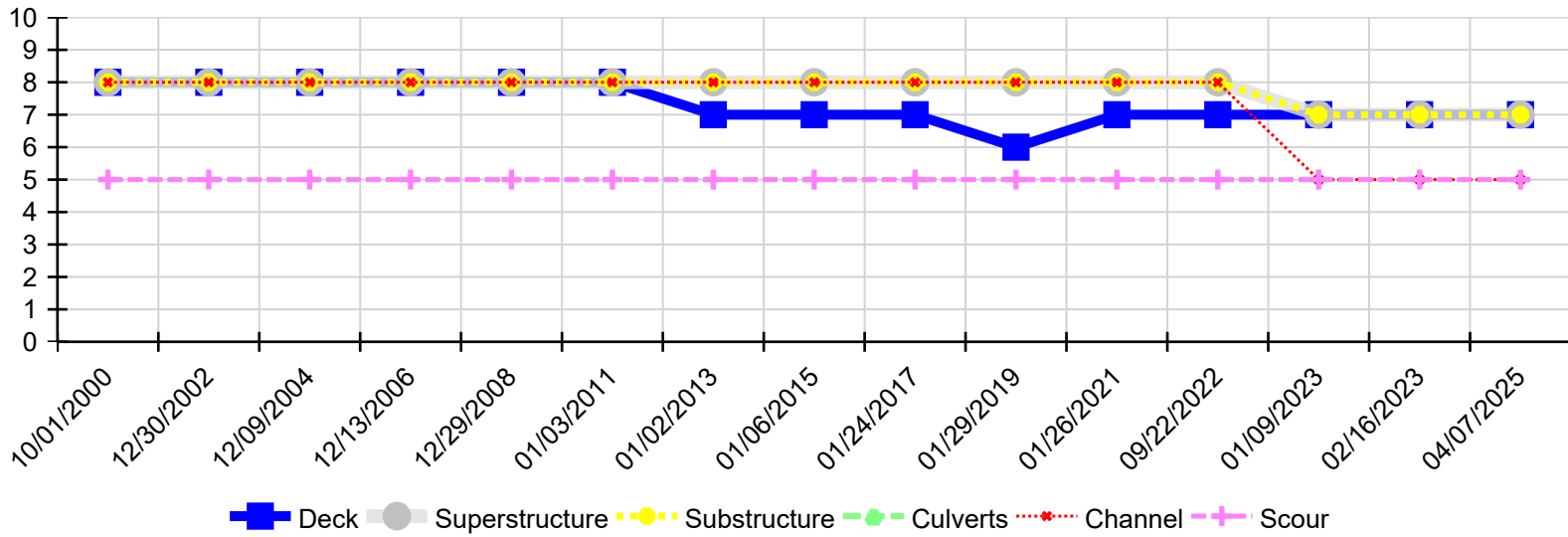
Asset #A6518(Routine, Underwater type 2)

I-40WB/Se51/233.97 over Languille River

Location: .82 Miles Ne Of Sh 261

Team Lead: Myron Futrell Inspection Date: 04/07/2025

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
04/07/2025	7	7	7	N	5	5
02/16/2023	7	7	7	N	5	5
01/09/2023	7	7	7	N	5	5
09/22/2022	7	8	8	N	8	5
01/26/2021	7	8	8	N	8	5
01/29/2019	6	8	8	N	8	5
01/24/2017	7	8	8	N	8	5
01/06/2015	7	8	8	N	8	5
01/02/2013	7	8	8	N	8	5
01/03/2011	8	8	8	N	8	5
12/29/2008	8	8	8	N	8	5
12/13/2006	8	8	8	N	8	5
12/09/2004	8	8	8	N	8	5
12/30/2002	8	8	8	N	8	5
10/01/2000	8	8	8	N	8	5