

Bridge Data

Identification data

Bridge Number (B.ID.01):	05448000000000	Agency Bridge ID:	05448
Bridge Name (B.ID.02):	4610 1187 X	Local ID:	10-1187
Feature Intersected:	WALLACE CREEK	Bridge Nickname:	S.H. 9 OVER WALLACE CREEK
Past Bridge ID (B.ID.03):		Facility Carried:	S.H. 9
Bridge notes:			

Location data

State Code (B.L.01):	40 Oklahoma	County Code (B.L.02):	MCINTOSH
City (B.L.03):	Unknown	Highway Agency District (B.L.04):	Division 1
Metro Planning Org 1 (B.L.12):		County Districts:	Unknown
Bridge Location (B.L.11):	6.2 E JCT SH-52	Latitude (B.L.05):	35.270669
		Longitude (B.L.06):	-95.777803

Border data

Designated Lead State (B.L.10):		Border Bridge Number (B.L.07):	-
Border State or Country (B.L.08):	-1	Border Insp. Responsibility (B.L.09):	2

Classification data

Owner (B.CL.01):	S01 State transportation department	Maintenance Responsibility (B.CL.02):	S01 State transportation department
Federal or Tribal Land Access (B.CL.03):	N	Historical Significance (B.CL.04):	7 Historic significance has not been determined
Toll (B.CL.05):	N Does not carry toll road and is not toll bridge	Emergency Evacuation Designation (B.CL.06):	Y Emergency evacuation route

Construction data

Year Built (B.W.01):	1937	Design Method (B.LR.02):	
Design Load (B.LR.01):	H-20		

Geometry data

NBIS Bridge Length (B.G.01):	62.00	Total Bridge Length (B.G.02):	62.00
Maximum Span Length (B.G.03):	60.00	Minimum Span Length (B.G.04):	60.00
Bridge Width Out-to-Out (B.G.05):	29.00	Bridge Width Curb-to-Curb (B.G.06):	26.00
Left Curb or Sidealk Width (B.G.07):	1.50	Right Curb or Sidewalk Width (B.G.08):	1.50
Approach Roadway Width (B.G.09):	34.00	Bridge Median (B.G.10):	0 No median
Skew (B.G.11):	0	Curved Bridge (B.G.12):	
Maximum Bridge Height (B.G.13):		Sidehill Bridge (B.G.14):	N Not a sidehill bridge
Irregular Deck Area (B.G.15):		Calculated Deck Area (B.G.16):	1,798.00

Design Data

Superstructure set data

M01 - Superstructure Set 3 - 1832 - Type: M Main

Number of Spans (B.SP.02):	1	Number of Beam Lines (B.SP.03):	1
Span Material (B.SP.04):		Span Continuity (B.SP.05):	1 Simple or single span
Span Type (B.SP.06):		Span Protective System (B.SP.07):	
Deck Interaction (B.SP.08):		Deck Material & Type (B.SP.09):	
Wearing Surface (B.SP.10):	B01 Bituminous (asphalt)	Deck Protective System (B.SP.11):	MU Membrane - unknown
Deck Reinforcing Protective System (B.SP.12):		Deck Stay-in-Place Forms (B.SP.13):	

Substructure set data

Number of Sub Units (B.SB.02):		Substructure Material (B.SB.03):	
Substructure Type (B.SB.04):		Substructure Protective System (B.SB.05):	
Foundation Type (B.SB.06):		Foundation Protective System (B.SB.07):	

Feature Data

S.H. 9

Feature Name (B.F.03):	S.H. 9	Feature Type (B.F.01):	H Highway
Feature Location (B.F.02):	C		

Route Information

Designation (B.RT.01)	Route Number (B.RT.02)	Route Direction (B.RT.03)	Route Type (B.RT.04)	Service Type (B.RT.05)
R01	9		3 State route	1 Mainline

Highway Information

LRS Route ID (B.H.06):	4600010HX0000	LRS Data as of Date:	
LRS Mile Point (B.H.07):	23.695	Lanes on Highway (B.H.08):	2
Functional Classification (B.H.01):	5 Major Collector	Urban Code (B.H.02):	99999
NHS Designation (B.H.03):	N Non-NHS	National Highway Freight Network (B.H.04):	N Not on the NHFN
STRAHNET Designation (B.H.05):	N Not a STRAHNET route		

User Costs

Route Speed:	65	Bypass Detour Length (B.H.17)::	67
Bypass Average Speed:	-1	Lanes on Bypass:	

AADT

AADT (B.H.09):	1,300	Future AADT:	2,080
ADTT (B.H.10):	195	Future ADTT:	
Year of AADT (B.H.11):	2022	Future Year:	2042
Percent Truck Traffic:	15.00	Directional Percentage:	

Clearances

Highway Maximum Usable Vertical Clearance (B.H.12):	99.90	Highway Minimum Vertical Clearance (B.H.13):	99.90
Highway Minimum Horizontal Clearance, Left (B.H.14):		Highway Minimum Horizontal Clearance, Right (B.H.15):	
Highway Maximum Usable Surface Width (B.H.16):	26.00		

WALLACE CREEK

Feature Name (B.F.03):	WALLACE CREEK	Feature Type (B.F.01):	W Waterway
Feature Location (B.F.02):	B		

Waterway Details

Navigable Waterway (B.N.01):	N Not navigable waters	Navigation Minimum Vertical Clearance (B.N.02):	
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Movable Bridge Maximum
 Navigation Vertical Clearance
 (B.N.03):
 Navigation Channel Minimum
 Horizontal Clearance (B.N.05):

Navigable Channel Width (B.N.04):

Substructure Navigation Protection
 (B.N.06):

Inspection Data

Schedule

Inspection Type	Required for Bridge	Inspection Performed (B.IE.01)	Inspector	Most Recent Inspection Date	Interval (months) (B.IE.05)	Inspection Due Date (B.IE.06)
Bridge Assignment	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Routine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Craig, Ryan	10/23/2024	24	10/23/2026

Inspection Condition

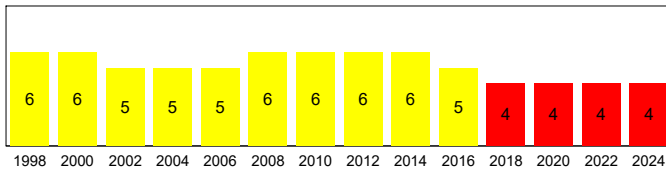
Bridge Condition (B.C.12):	P Poor	Lowest Condition Rating (B.C.13):	4
Deck (B.C.01):	4 Poor	Superstructure (B..C.02):	6 Satisfactory
Substructure (B.C.03):	6 Satisfactory	Culvert (B.C.04):	N Not Applicable
Railing (B.C.05):		Railing Transition (B.C.06):	
Bearing (B.C.07):		Joints (B.C.08):	
Channel (B.C.09):	5 Fair	Channel Protection (B.C.10):	
Scour (B.C.11):		NSTM Inspection Condition (B.C.14):	
Underwater Inspection (B.C.15):			

Appraisal

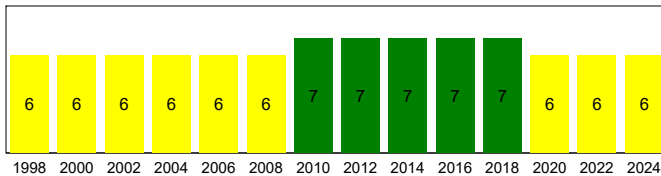
Approach Roadway Alignment (B.AP.01):	G Good	Overtopping Likelihood (B.AP.02):	
Scour Vulnerability (B.AP.03):		Scour Plan of Action (B.AP.04):	0 A scour POA is not required.

Condition History Graph

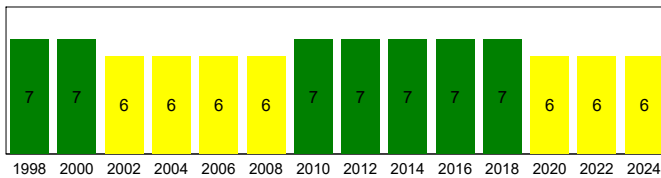
Deck Rating



Superstructure Rating



Substructure Rating



Inspection Notes

Inspection Notes (B.IE.11):

Agency Inspection Notes:

PX - West approach guardrails and the northeast approach guardrail are detached from the posts.
 Reattach guardrails.
 PX - Remove cattle fence.
 FX - Monitor soffit deterioration.

Flowline Notes:

2024 FL = 19.9-ft top of north curb to flow line
 2022 FL = 18.0-ft top of curb to flow line
 2020 FL = 16.1-ft top of curb to flow line
 2018, FL = 19ft TOC
 [2016]Top of curb to FL=16.6' measured 22' from SW corner
 [2014]Top of curb to FL=16.0' measured 22' from SE corner
 [2012]Top of curb to FL=15.9' measured 22' from SE corner

Load Posting Status

Posting Status Change Date (B.PS.02)	Open/Posted/Closed	Permanent/Temp/Supported	Load Posting Status (B.PS.01)
10/23/2024 12:00:00AM	Open	Permanent	PO

Text of Load Posting Signs:

Railings and Transitions

Railings (B.RH.01):	IO-T	Transitions (B.RH.02):	IO-T

Oklahoma Items

200c. Temperature:	66	246b. Overlay Thickness:	6.00
214b. Posted Speed Limit:	NR	246c. Overlay Date:	01/01/1937
214c. Narrow 1 way Bridge Sign:	N	246d. Overlay Depth Change > 1":	N
214d. Vertical Clearance Sign:	N	258. Plans w/Found in ODOT File:	-
214d. Advanced Warning Sign:	N	263. Interchange at Intersection:	0
222. Fill over RCB:		264. Interstate Milepoint:	-1.00
240. Approach Roadway Type:	2		

Element Data

Elem /	Element Name	Total	Unit	State 1	State 2	State 3	State 4
12	Re Concrete Deck	1,612	sq.ft	0	0	1,612	0
	Covered with asphalt. Condition controlled by soffit.						
510	Wearing Surfaces	1,612		1,612	0	0	0
	No significant deficiencies.						
107	Steel Opn Girder/Beam	300	ft	100	200	0	0
	Beams have minor freckled corrosion on the bottom flanges and laminar corrosion on the top flanges throughout. Beam flanges and lower webs have painted over pitting up to 1/8-in deep throughout.						
515	Steel Protective Coating	3,588		0	0	3,588	0
	Protective coating is beginning to fail allowing corrosion on the beam flanges and ends.						
215	Re Conc Abutment	59	ft	24	29	6	0
	West abutment, at the waterline, has abrasion with exposed but secure aggregate. East abutment cap, at Beam 2, has a spall 4-in H x 18-in L x 1 1/2-in D with exposed corroded reinforcing. Both abutments have vertical cracks up to 1/16-in wide with efflorescence.						
304	Open Expansion Joint	52	ft	52	0	0	0
	Covered with asphalt.						
311	Moveable Bearing	6	each	0	4	2	0
	Moveable bearings have surface corrosion with laminar corrosion forming on the exterior bearings.						
313	Fixed Bearing	6	each	0	4	2	0
	Fixed bearings have surface corrosion with laminar corrosion forming on the exterior bearings.						
321	Re Conc Approach Slab	2	sq.ft	2	0	0	0
	Covered with asphalt.						
331	Re Conc Bridge Railing	124	ft	0	0	124	0
	Debris has accumulated throughout the length of the curbs and is covering the previously noted heavy deterioration.						
968	Erosion SF	1	each	1	0	0	0

There is an erosion hole behind the northwest wingwall up to 72-in H x 24-in D, mitigation is in place and performing adequately.

870	Concrete Wingwall	4 each	3	1	0	0
The northwest wingwall has abrasion with exposed but secure aggregate at the waterline.						
865	St.Open Gird End(5Ft	60 ft	16	40	4	0
All beam ends have surface corrosion and exterior beam ends have laminar corrosion at the bearings. Beam flanges and lower webs have painted over pitting up to 1/8-in deep throughout.						
859	Soffit	1 each	0	0	1	0
FX - Interior bays have numerous transverse cracks up to 1/32-in wide with efflorescence buildup and corrosion staining. There are also areas of poor consolidation and spalling up to 24-in L x 30-in W x 3-in D with exposed reinforcing. FX - Both overhangs are deteriorating with cracking up to 1/32-in wide and spalls up to full length x 12-in W x 3-in D with exposed corroded reinforcing and heavy efflorescence buildup.						
965	Debris SF	1 each	0	0	1	0
PX - A cattle fence has been installed on the south side of the structure that may restrict channel flow.						

2024 Routine Inspection

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 1 - West approach, looking east

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 2 - South elevation, looking upstream

2024 Routine Inspection

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 3 - On bridge looking north, upstream

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 4 - On bridge looking south, downstream

2024 Routine Inspection

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 5 - Southwest approach guardrail; detached from the posts

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 6 - East abutment, at Beam 2; spall 4-in H x 18-in L x 1 1/2-in D with exposed reinforcing

2024 Routine Inspection

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 7 - East abutment, Bearing 6; laminar corrosion

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 8 - Soffit, Bay 1; transverse cracking up to 1/32-in wide with efflorescence and corrosion staining

2024 Routine Inspection

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 9 - Soffit, Bay 2; area of poor consolidation 24-in L x 30-in W x 3-in D with exposed reinforcing

NBI #	Structure #	County	Facility Carried	Feature Intersected	Date
05448	4610 1187 X	McIntosh	S.H. 9	Wallace Creek	10/23/2024



Photo 10 - South channel; cattle fence installed