OKLAHOMA Transportation

Inspection Report for Structure 17208

Inspection Date: 09/04/2025

30ft.-47ft.-30ft. I-BM. SPANS SK. 7 DEG

Bridge Data

Identification data

Bridge Number (B.ID.01):	172080000000000	Agency Bridge ID:	17208
Bridge Name (B.ID.02):	4405 1038EX	Local ID:	-1
Feature Intersected:	S.H. 39 UNDER	Bridge Nickname:	I-35 OVER S.H. 39 UNDER
Past Bridge ID (B.ID.03):		Facility Carried:	I-35
Bridge notes:	HISTORY BRIDGE IS NOISY & HAS MUCH MOVEMENT DURING HEAVY I-35 TRUCK LOADING		

Location data

State Code (B.L.01):	40 Oklahoma	County Code (B.L.02):	MCCLAIN
City (B.L.03):	Unknown	Highway Agency District (B.L.04):	Division 3
Metro Planning Org 1 (B.L.12):	N Not in an MPO	County Districts:	Unknown
Bridge Location (B.L.11):	JCT I-35 & SH 39	Latitude (B.L.05):	34.998506
		Longitude (B.L.06):	-97.374806

Border data

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

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):	N Not eligible & not in historic eligible district
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):	1968		
Design Load (B.LR.01):	HS-20	Design Method (B.LR.02):	LFD Load Factor Design

Geometry data

NBIS Bridge Length (B.G.01):	107.90	Total Bridge Length (B.G.02):	110.90
Maximum Span Length (B.G.03):	47.00	Minimum Span Length (B.G.04):	30.00
Bridge Width Out-to-Out (B.G.05):	40.00	Bridge Width Curb-to-Curb (B.G.06):	38.00
Left Curb or Sidealk Width (B.G.07):	0.00	Right Curb or Sidewalk Width (B.G.08):	0.00
Approach Roadway Width (B.G.09):	38.00	Bridge Median (B.G.10):	1 Open median
Skew (B.G.11):	7	Curved Bridge (B.G.12):	N Not curved
Maximum Bridge Height (B.G.13):	14	Sidehill Bridge (B.G.14):	N Not a sidehill bridge
Irregular Deck Area (B.G.15):	4,284.10	Calculated Deck Area (B.G.16):	4,436.00

Design Data

Superstructure set data

A01 - s - Type: A Approach

Number of Spans (B.SP.02):	2	Number of Beam Lines (B.SP.03):	1
Span Material (B.SP.04):	S01 Steel - rolled shapes	Span Continuity (B.SP.05):	1 Simple or single span
Span Type (B.SP.06):	G02 Girder/beam - I-shaped spread	Span Protective System (B.SP.07):	0 None
Deck Interaction (B.SP.08):	CU Composite - unshored construction	Deck Material & Type (B.SP.09):	C01 Reinforced concrete - cast-in-place
Wearing Surface (B.SP.10):	C03 Concrete - latex modified	Deck Protective System (B.SP.11):	0 None
Deck Reinforcing Protective System (B.SP.12):	R01 Reinforcing - stainless, clad	Deck Stay-in-Place Forms (B.SP.13):	0 None

M01 - Superstructure Set 3 - 1767 - Type: M Main

Number of Spans (B.SP.02):	3	Number of Beam Lines (B.SP.03):	1
Span Material (B.SP.04):	S01 Steel - rolled shapes	Span Continuity (B.SP.05):	1 Simple or single span
Span Type (B.SP.06):	G02 Girder/beam - I-shaped spread	Span Protective System (B.SP.07):	C01 Coating - paint
Deck Interaction (B.SP.08):	CS Composite - shored construction	Deck Material & Type (B.SP.09):	C01 Reinforced concrete - cast-in-place
Wearing Surface (B.SP.10):	C03 Concrete - latex modified	Deck Protective System (B.SP.11):	U Unknown
Deck Reinforcing Protective System (B.SP.12):	C01 Coating - epoxy coated	Deck Stay-in-Place Forms (B.SP.13):	0 None

Substructure set data

A01 - ABUTMENT - Type: A Abutment

Number of Sub Units (B.SB.02):	2	Substructure Material (B.SB.03):	C01 Reinforced concrete - cast-in-place
Substructure Type (B.SB.04):	A02 Abutment - stub	Substructure Protective System (B.SB.05):	0 None
Foundation Type (B.SB.06):	P03 Pile - concrete	Foundation Protective System (B.SB.07):	0 None

P01 - PIER - Type: P Pier or Bent

Number of Sub Units (B.SB.02):	2	Substructure Material (B.SB.03):	C01 Reinforced concrete - cast-in-place
Substructure Type (B.SB.04):	P03 Pier - multiple column	Substructure Protective System (B.SB.05):	0 None
Foundation Type (B.SB.06):	F02 Footing - on rock	Foundation Protective System (B.SB.07):	0 None

Feature Data

I-35

Feature Name (B.F.03):	I-35	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	35	NB Northbound	1 Interstate route	1 Mainline

Highway Information

LRS Route ID (B.H.06):	4400005HX0000	LRS Data as of Date:	9/4/2027 12:00:00AM
LRS Mile Point (B.H.07):	25.737	Lanes on Highway (B.H.08):	2
Functional Classification (B.H.01):	1 Interstate	Urban Code (B.H.02):	99999
NHS Designation (B.H.03):	Y NHS	National Highway Freight Network (B.H.04):	1 Primary Highway Freight Sys
STRAHNET Designation (B.H.05):	1 STRAHNET route		

User Costs

Route Speed:	70	Bypass Detour Length (B.H.17)::	0
Bypass Average Speed:	-1	Lanes on Bypass:	

AADT

AADT (B.H.09):	14,950	Future AADT:	23,920
ADTT (B.H.10):	5,382	Future ADTT:	
Year of AADT (B.H.11):	2022	Future Year:	2042
Percent Truck Traffic:	36.00	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):	38.00		

S.H. 39 UNDER

Feature Name (B.F.03):	S.H. 39 UNDER	Feature Type (B.F.01):	H Highway
Feature Location (B.F.02):	B		

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	39	EW Eastbound and Westboun	3 State route	1 Mainline

Highway Information

LRS Route ID (B.H.06):	4400018HX000	LRS Data as of Date:	9/4/2025 12:00:00AM
LRS Mile Point (B.H.07):	10.414	Lanes on Highway (B.H.08):	2
Functional Classification (B.H.01):	3 Principal Arterial - Other	Urban Code (B.H.02):	99999
NHS Designation (B.H.03):	Y 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:	-1	Bypass Detour Length (B.H.17)::	0
Bypass Average Speed:	-1	Lanes on Bypass:	

AADT

AADT (B.H.09):	2,700	Future AADT:	4,320
ADTT (B.H.10):	189	Future ADTT:	
Year of AADT (B.H.11):	2022	Future Year:	2042
Percent Truck Traffic:	7.00	Directional Percentage:	

Clearances

Highway Maximum Usable Vertical Clearance (B.H.12):	14.90	Highway Minimum Vertical Clearance (B.H.13):	14.60
Highway Minimum Horizontal Clearance, Left (B.H.14):	0.00	Highway Minimum Horizontal Clearance, Right (B.H.15):	2.90
Highway Maximum Usable Surface Width (B.H.16):	40.00		

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	☑	☐				
Routine	☑	☑	Hill, Adam	9/4/2025	24	9/4/2027

Inspection Condition

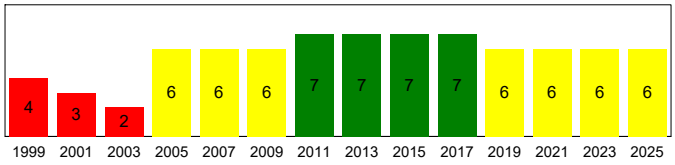
Bridge Condition (B.C.12):	P Poor	Lowest Condition Rating (B.C.13):	4
Deck (B.C.01):	6 Satisfactory	Superstructure (B..C.02):	5 Fair
Substructure (B.C.03):	4 Poor	Culvert (B.C.04):	N Not Applicable
Railing (B.C.05):	7 Good	Railing Transition (B.C.06):	7 Good
Bearing (B.C.07):	6 Satisfactory	Joints (B.C.08):	7 Good
Channel (B.C.09):	N Not Applicable	Channel Protection (B.C.10):	N Not Applicable
Scour (B.C.11):	N Does not cross over water	NSTM Inspection Condition (B.C.14):	
Underwater Inspection (B.C.15):			

Appraisal

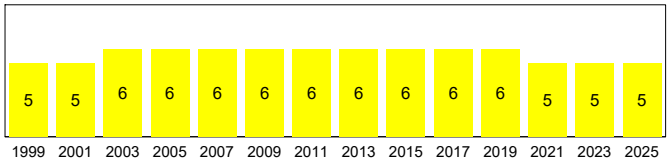
Approach Roadway Alignment (B.AP.01):	G Good	Overtopping Liklihood (B.AP.02):	
Scour Vulnerability (B.AP.03):		Scour Plan of Action (B.AP.04):	

Condition History Graph

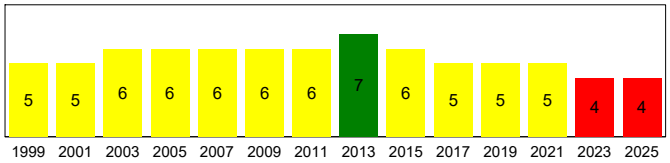
Deck Rating



Superstructure Rating



Substructure Rating



Inspection Notes

Inspection Notes (B.IE.11):

Agency Inspection Notes: MINOR OVERHEIGHT HIT 1-2005. #61A&G. MINOR EROS @ CORNERS OF ABUTS & EDGES OF SLPWALLS. DIAPS ONE @ SPAN # 2, BAY # 3 CRACK ON BOTH SIDES. IN DEPTH INSP. PERFORMED ON PIERS DURING 08/26/21 ROUTINE INSP. (BRIDGE OVERHEIGHT IMPACT TO SUPERSTRUCTURE ON 01/12/2023 - CONTRACTORS REPAIRED THIS ON 02/02/2023, REPAIRS LOOK GREAT.)

Flowline Notes:

Load Posting Status

Posting Status Change Date (B.PS.02)	Open/Posted/Closed	Permanent/Temp/Supported	Load Posting Status (B.PS.01)
9/5/2023 12:00:00AM	Open	Permanent	PO

Text of Load Posting Signs:

Railings and Transitions

Railings (B.RH.01):	M113	Transitions (B.RH.02):	M113

Oklahoma Items

200c. Temperature:	78	246b. Overlay Thickness:	
214b. Posted Speed Limit:	70	246c. Overlay Date:	
214c. Narrow 1 way Bridge Sign:	_	246d. Overlay Depth Change > 1":	
214d. Vertical Clearance Sign:	_	258. Plans w/Found in ODOT File:	Y
214d. Advanced Warning Sign:	_	263. Interchange at Intersection:	0
222. Fill over RCB:		264. Interstate Milepoint:	92.06
240. Approach Roadway Type:	2		

Element Data

Elem /	Elemement Name	Total	Unit	State 1	State 2	State 3	State 4
12	Re Concrete Deck	4,284	sq.ft	2,794	1,290	200	0
	SEE NOTE FOR # 859.						
510	Wearing Surfaces	4,284		4,284	0	0	0
	SEE NOTE FOR #958						
107	Steel Opn Girder/Beam	384	ft	384	0	0	0
	MINOR DAMAGE & SCRAPES DUE TO OVER HEIGHT LOAD^ THIS WAS REPAIRED 2005. 01/12/2023 BRIDGE WAS HIT AGAIN, THIS WAS REPAIRED 02/02/2023 - REPAIRS LOOK GREAT.						
515	Steel Protective Coating	2,357		0	2,357	0	0
	RUST SHOWING IN A FEW SMALL AREAS.						
205	Re Conc Column	4	each	1	2	1	0
	PX- SOME SCALING TO PIER # 1 BOTH COLUMNS^ NO EXPOSED REBAR. PIER # 2, COL #1 & #2. COLUMN HAS 10ft. TALL X 2ft. WIDE DELAM W/ EXP. REBAR 10% SEC. LOSS.						
215	Re Conc Abutment	79	ft	59	12	8	0
	FX- OPEN HORIZ. CRACKS TO FACES AND TO EDGES OF PEDESTALS. SOME SPALLING TO FACE W/ EXP. REBAR.						
234	Re Conc Pier Cap	76	ft	1	10	65	0
	PX- OPEN VERTICAL & HORIZ. CRACKS EXIST @ BOTH PIERS. MOST PEDESTALS ARE SPALLED W/ EXP. REBAR^ SOME ARE STARTING TO DETERIORATE UNDER BEARING.						
301	Pourable Joint Seal	76	ft	76	0	0	0
311	Moveable Bearing	10	each	7	2	1	0
	FILLER IN PLATES UNDERNEATH ROLLERS IS COMING OUT. SOME ROLLERS HAVE MINOR (LESS THAN 5%) SEC. LOSS, BEARING # 5 @ BOTH ABUT'S ROLLER HAS UP TO 50% SEC. LOSS TO BOTTOM.						
313	Fixed Bearing	20	each	20	0	0	0
	-1						
321	Re Conc Approach Slab	2	sq.ft	2	0	0	0
	-1						
330	Metal Bridge Railing	238	ft	238	0	0	0
	-1						
331	Re Conc Bridge Railing	216	ft	216	0	0	0
	SPALLED AREAS OF CONC. GROUTED OVER DURING HYDROBLAST.						
972	Loss of Bearing SF	12	each	0	12	0	0
	PX- ABUT. # 1, PEDESTALS # 2 & 3. ABUT. # 2, PED'S # 1 & 2. PIER # 1, SPAN # 1, PED'S # 1 & 5. PIER # 1, SPAN # 2, PED'S # 1,2,3 & 4. PIER # 2, SPAN # 2, BM. # 1. PIER # 2, SPAN # 3, BM. # 1. ALL OF THESE LOCATIONS HAVE NO MORE THAN 10% UNDERMINING. PEDESTALS @ PIER # 1, BM. LINES 2,3 & 4 HAVE SADDLES.						
958	Concrete Cracking SF	1	each	1	0	0	0
	LIGHT CRACKING EXISTS TO CONC. OVLY^ THESE WERE SEALED.						
968	Erosion SF	1	each	0	1	0	0
	FX- ABUT. # 2, E. SIDE.						
956	St. Cracking/Fatigue	2	each	0	2	0	0
	PX- SMALL CRACKS BELOW DIAP. CONNECTIONS IN WEB @ MID SPAN. SPAN #1 BEAM #3 - E. SIDE OF BM. # 3 HAS PROPAGATED^ LOOKS LIKE A V^ 3in. ON THE LEFT & 3in. ON THE RIGHT, THIS IS NOT REFLECTIVE ON THE OTHER SIDE. SPAN # 2, BM. # 2 SMALL CRACK @ BOTTOM OF WELD.						
865	St.Open Gird End(5Ft	151	ft	147	0	4	0
	SEE NOTE FOR #107.						
859	Soffit	1	each	0	0	1	0

	PX- MANY 6in. DIAM DELAMS EXIST TO EACH SIDE OF BEAM FOR ENTIRE LENGTH^ SPACED EVERY 5ft.^ THIS WAS DONE DURING HYDROBLAST SOUNDED BY BRIDGE CREW 2014 LOOKS GOOD. OTHER BAYS @ ABUT'S & PIERS /JT. AREAS ARE DELAMINATED 2 ft OUT & 4 ft WIDE. BRIDGE SLAPPING LOUDLY @ ABUT. # 2, BAY # 3, DECK SLAPPING SUPER-STR.						
909	Pourable Fix Jt.Seal	76	ft	76	0	0	0
963	Steel Section Loss SF	1	each	0	1	0	0
	UP TO 10% SEC. LOSS TO REBAR IN PIERCAPS.						
962	Super.Traffic Impact	1	each	1	0	0	0
	SEE NOT FOR #107 BRIDGE IMPACT TO ALL BEAM LINES ON 01/12/2023, THIS WAS REPAIRED ON 02/02/2023, LOOKS GREAT.						