

Oklahoma Dept. of Transportation - Bridge Inspection Report

NBI No.: 26914	Structure No.: 14E1280N3200002	Local ID: 044	Suff. Rating: 47.50	FO
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Bridge Description: 32ft. STEEL GIRDER 1. State: Oklahoma 2. Division: Division 3 3. County: CLEVELAND 4. City: NORMAN Admin Area: Unknown 5a. On/Under: Route On Structure 5b. Kind of Hwy: City Street 5c. Lvl of Srvc: Mainline 5d. Route No.: E1280 5e. Dir. Suffix: N/A (NBI) 7. Facility Carried: E POST OAK RD 6. Feat.: CREEK 9. 0.2 MI E 96TH AVE SE 11. Mile Post: 1.336 mi 13. LRS / Sub Rte: -1 / -1 16. Latitude: 35° 09' 37.29" 17. Longitude: 097° 17' 39.00" 98. Border: Unknown (P) % Responsible: 0.00 99. Border Brdg #: Unknown	INSPECTION <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Type</th> <th>Insp. Req.</th> <th>Insp. Done</th> <th>Freq.</th> <th>Insp. Date</th> <th>Next Insp.</th> </tr> <tr> <td>NBI:</td> <td></td> <td>1</td> <td>24 months</td> <td>10/25/2023</td> <td>10/25/2025</td> </tr> <tr> <td>FC:</td> <td>N</td> <td>0</td> <td></td> <td>NA</td> <td>NA</td> </tr> <tr> <td>UW:</td> <td>N</td> <td>0</td> <td></td> <td>NA</td> <td>NA</td> </tr> <tr> <td>OS:</td> <td>N</td> <td>0</td> <td></td> <td>NA</td> <td>NA</td> </tr> </table>	Type	Insp. Req.	Insp. Done	Freq.	Insp. Date	Next Insp.	NBI:		1	24 months	10/25/2023	10/25/2025	FC:	N	0		NA	NA	UW:	N	0		NA	NA	OS:	N	0		NA	NA
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OS:	N	0		NA	NA																										
STRUCTURE TYPE AND MATERIALS 43a/b. Main Span: Steel / Stringer/Girder 44a/b. Appr. Span: N/A / Not Applicable (P) 45. # of Main Spans: 1 46. # of Appr. Spans: 0 107. Deck Type: Steel Plate 108a. Wearing Surface: Bituminous 108b. Membrane: None 108c. Deck protection: None	CLASSIFICATION 12. Base Hwy Net.: Not on Base Network 20. Toll Facility: On free road 21. Custodian: City 22. Owner: City 26. Function Class: 07 Rural Mjr Collecto 37. Historical Sig.: Not eligible for NRHP 100. Def. Hwy: Not a STRAHNET hwy																														
AGE AND SERVICE 19. Detour Length: 0.6 mi 27. Year Built: 2002 28a/b. Lanes on/und: 2 / 0 29. ADT: 220 30. Year of ADT: 2020 42a/b. Type of Svc on/und: Highway / Waterway	CONDITION 58. Deck: 5 Fair 62. Culvert: N/A (NBI) 59. Sup.: 5 Fair 61. Chan./Chan. Prot.: 7 Minor Damage 60. Sub: 5 Fair Flowline Notes: 2023, FL = 7.0 ft to NTOD next to gabion. 2021, FL = 7.2 ft to NTOD. 2019, FL = 7.5ft from NE corner.																														
GEOMETRIC DATA 10. Vert. Clearance: 99.99 ft 32. Appr Rwy Width: 23.00 ft 33. Median: No median 34. Skew: 0.00° 35. Struct. Flared: No flare 47. Horizontal Clr: 27.70 ft 48. Length Max Span: 28.00 ft 49. Struct. Length: 32.00 ft	LOAD RATING AND POSTING 31. Design Load: MS 18 (HS 20) 41. Post. Status: P Posted for load 70. Posting: 0 >39.9% below 63. Op / 65. Inv. Rating Meth.: 1 LF Load Factor / 1 LF Load Factor <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th></th> <th>H</th> <th>HS</th> <th>3-3</th> <th>EV3</th> <th>SHV</th> </tr> <tr> <td>64. Operating Rating (tons):</td> <td>12.80</td> <td>19.10</td> <td>33.40</td> <td>16.50</td> <td>18.40</td> </tr> <tr> <td>66. Inventory Rating (tons):</td> <td>7.70</td> <td>11.50</td> <td>20.00</td> <td>9.90</td> <td></td> </tr> </table>		H	HS	3-3	EV3	SHV	64. Operating Rating (tons):	12.80	19.10	33.40	16.50	18.40	66. Inventory Rating (tons):	7.70	11.50	20.00	9.90													
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OKLAHOMA ITEMS 200c. Temperature: 73 200d. Weather: Cloudy 201. Struc.Stl. ASTM Desig.: -1 / -1 202. Waterprf. Membrane: -1 Date Installed: 01/01/1901 203. Type Exp. Device: Open Joint-No Device 204. Type of Railing: Metal Railing (other) 205. Material Quantity: -1.00 208a. Type of Abutment: Pedestal b. Type of Found.: Bears on Natural Found. 209. Type of Pier/Found.: - / - 210. Foundation Elev.: <table style="width: 100%; text-align: center;"> <tr> <td>-1.00</td> <td>-1.00</td> </tr> <tr> <td>-1.00</td> <td>-1.00</td> </tr> </table> 211. Wear.Surf.Prot.Sys: - Date Installed: 01/01/1901 211c. Silane Reapplied 211d. Date: - 213. Utilities Attached:	-1.00	-1.00	-1.00	-1.00	214a. Posted Weight Limit: 121212 b. Posted Speed Limit: 50 c. Narrow/1way Brdg Sign: No d. Vertical Clr. Sign: No Adv. Warning Sign: No e. Navigation Lights?: NA Working/Not Working: NA 215. Overpass: ACOG 218. Functionally Obsolete: FO 220. Bridge Redecked: - 221. Substr.Cond.(U/W): - 222. Fill Over RCB: 223. Appr.Slab/Rwy Cond.: 2 225. Paint Type/Ovrct: Red Lead 3 Coat System 226. Date Painted: 2002 227. Paint Color: Silver 233. Deck Forming: - 238. School Bus Rte.: Current bus route 240. Appr. Rwy Type.: Asphalt/Bituminous 243. Grdr Spacing/No.: /																										
-1.00	-1.00																														
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244. Span Lengths: 245. Girder Depth: 246a. Type of Overlay: AC Overlay b. Overlay Thickness: 6.00 c. Overlay Date: 02/01/2002 d. Only Depth Changed >1": N 247. Protective Systems:	APPRAISAL 36a. Brdg Rail: 0 Substandard 36b. Transition: 0 Substandard 36c. Appr. Rail: 0 Substandard 36d. Appr. Rail Ends: 0 Substandard 67. Str Evaluation: 2 Intolerable - Repl																														
248. # Field Splices w/ Corrosion: 249. Scour Crit. POA Exists?: No 250. Headwall: 258. Plans w/Found.in ODOT File: - 259. Scour Eval. in ODOT File: - 263. Interchange at Intersection: - 264. Interstate Milepoint:	PROPOSED IMPROVEMENT 94. Bridge Cost: \$174,000 95. Roadway Cost: \$96,000 96. Total Cost: \$276,000 97. Yr.of Cost Est.: 2015																														
38. Nav. Control: Permit Not Required 39. Vert. Clearance: 0.0 ft 40. Horiz. Clearance: 0.0 ft	NAVIGATION DATA 111. Pier Protect.: Not Applicable (P) 116. Lift Bridge Vert. Clr.: 0.0 ft																														

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Inspection Date: 10/25/23 Wayne Roesner

Invoice No.: HWL141023 Inspected With: Lukas Evans

Wayne Roesner (Ite)

Digitally signed by Wayne Roesner (Ite)
DN: C=US, E=wroesner@hwlochner.com,
O=Lochner, CN=Wayne Roesner (Ite)
Date: 2023.12.19 15:54:58-06'00'

BRIDGE NOTES:

INSPECTION NOTES: 10/25/23

Gabions are protecting both abutments.

ELEMENT CONDITION STATE DATA

Elem. / Env	Description	Unit	Total Qty	% 1	Qty. 1	% 2	Qty. 2	% 3	Qty. 3	% 4	Qty. 4
30 / 4	Steel Deck - Orthotropic	sq.ft	947.00	0%	0.00	0%	0.00	96%	907.00	4%	40.00
Deck is using the girders (laying on their sides) as stay-in-place forms. They are filled with asphalt not concrete. Web areas with some section loss. Isolated areas with moderate loss.											
510 / 4	Wearing Surfaces	sq.ft	947.00	100%	947.00	0%	0.00	0%	0.00	0%	0.00
Asphalt wearing surface.											
107 / 4	Steel Opn Girder/Beam	ft	196.00	100%	196.00	0%	0.00	0%	0.00	0%	0.00
FX - Large areas of rust & pitting present. Needs to place plates over holes. Girders are laying on their sides. Girders are slightly bowed. Flanges & webs have areas of minor surface rust.											
515 / 4	Steel Protective Coating	sq.ft	1,416.00	0%	0.00	0%	0.00	100%	1,416.00	0%	0.00
Paint system has failed. Paint system was red lead paint.											
215 / 4	Re Conc Abutment	ft	59.00	85%	50.00	15%	9.00	0%	0.00	0%	0.00
Minor cracks & spalls. Large vertical crack with some separation on the NE corner of the east abutment. No settlement at this time.											
330 / 4	Metal Bridge Railing	ft	62.00	50%	31.00	50%	31.00	0%	0.00	0%	0.00
Minor areas of rust.											
919 / 4	St.(Rail) Prot. Coat	sq.ft	136.00	0%	0.00	0%	0.00	100%	136.00	0%	0.00
Paint system is failing.											
865 / 4	St.Open Gird End(5Ft	ft	90.00	90%	81.00	10%	9.00	0%	0.00	0%	0.00
963 / 4	Steel Section Loss SF	each	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
Minor pitting exists on beams. Minimum section loss of flange areas. Isolated areas of minor section loss present on web areas.											

**OKLAHOMA DEPARTMENT OF TRANSPORTATION
ON-SYSTEM ROUTINE INSPECTION
PHOTOGRAPH RECORD FORM**

County: Cleveland ODOT District: 3 Facility Carried: E POST OAK RD
Structure: 14E1280N3200002 NBI# 26914 Feature Intersected: CREEK



Roadway view, looking west



Roadway view, looking east

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Elevation view, looking north