

Oklahoma Dept. of Transportation - Bridge Inspection Report

NBI No.: 20663	Structure No.: 14E1230N3070003	Local ID: 025	Suff. Rating: 82.90	ND
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Bridge Description: (6) 4ft. X 50ft. STEEL PIPE 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.: 1496C 5e. Dir. Sufx: N/A (NBI) 7. Facility Carried: W ROBINSON ST 6. Feat.: CREEK 9. 0.3 E 60TH AVE NW 11. Mile Post: 0.231 mi 13. LRS / Sub Rte: / 16. Latitude: 35° 13' 58.05" 17. Longitude: 097° 31' 31.89" 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>10/9/2023</td> <td>10/09/2025</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	10/9/2023	10/09/2025	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 / Culvert 44a/b. Appr. Span: N/A / Not Applicable (P) 45. # of Main Spans: 6 46. # of Appr. Spans: 0 107. Deck Type: N/A (NBI) 108a. Wearing Surface: N/A (no deck (NBI)) 108b. Membrane: N/A (no deck (NBI)) 108c. Deck protection: N/A (no deck (NBI))	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 101. Parallel Str.: No bridge exists 102. Traffic Dir.: 2-way traffic 103. Temp. Str.: Not Applicable (P) 104. Hwy System: Not on NHS 105. Fed Land Hwy: N/A (NBI) 110. Defense Hwy: Not a STRAHNET hwy 112. NBIS Length: Long Enough
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AGE AND SERVICE 19. Detour Length: 0.6 mi 27. Year Built: 1984 28a/b. Lanes on/und: 2 / 0 29. ADT: 2,994 30. Year of ADT: 2020 42a/b. Type of Svc on/und: Highway / Waterway	CONDITION 58. Deck: N/A (NBI) 62. Culvert: 5 Moderate Dan 59. Sup.: N N/A (NBI) 61. Chan./Chan. Prot.: 8 Protected 60. Sub: N N/A (NBI) Flowline Notes: Sinkholes up to 1' deep behind north headwall
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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: 23.00 ft 48. Length Max Span: 4.08 ft 49. Struct. Length: 29.00 ft 50a. Curb/Sdwk Width L: 0.00 ft 50b. Curb/Sdwk Width R: 0.00 ft 51. Width Curb to Curb: 0.00 ft 52. Width Out to Out: 0.00 ft Deck Area: 1,449.95 sq. ft 53. Min. Vert. Cl. Ovr Brg: 99.99 ft 54a. Min. Vt. Undclr. Ref: N Feature not hwy c 54b. Min. Vert. Undclr.: 0.00 ft 55a. Min. Lat. Undclr. Ref: N Feature not hwy 55. Min. Lat. Underclr. R: 0.00 ft 56. Min. Lat. Underclr. L: 0.00 ft	LOAD RATING AND POSTING 31. Design Load: M 18 (H 20) 41. Post. Status: A Open, no restriction 70. Posting: 5 At/Above Legal Loads 63. Op / 65. Inv. Rating Meth.: 1 LF Load Factor / 1 LF Load Factor <table border="1" style="width: 100%; border-collapse: collapse;"> <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>27.01</td> <td>49.05</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>66. Inventory Rating (tons):</td> <td>15.98</td> <td>28.99</td> <td>-1.00</td> <td>-1.00</td> <td></td> </tr> </table>		H	HS	3-3	EV3	SHV	64. Operating Rating (tons):	27.01	49.05	0.00	0.00	0.00	66. Inventory Rating (tons):	15.98	28.99	-1.00	-1.00	
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OKLAHOMA ITEMS 200c. Temperature: 87 200d. Weather: Clear 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: N/A 205. Material Quantity: -1.00 208a. Type of Abutment: Other b. Type of Found.: Bears on Natural Found. 209. Type of Pier/Found.: - / 210. Foundation Elev.: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>-1.00</td> <td>-1.00</td> <td>-1.00</td> </tr> <tr> <td>-1.00</td> <td>-1.00</td> <td>-1.00</td> </tr> </table> 211. Wear. Surf. Prot. Sys: None Date Installed: 01/01/1901 211c. Silane Reapplied 211d. Date: 213. Utilities Attached:	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	214a. Posted Weight Limit: NR 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: - 220. Bridge Redecked: - 221. Substr. Cond. (U/W): 222. Fill Over RCB: 3 223. Appr. Slab/Rwy Cond.: 2 225. Paint Type/Ovrct: 226. Date Painted: - 227. Paint Color: -1 233. Deck Forming: 238. School Bus Rte.: Current bus route 240. Appr. Rwy Type.: Asphalt/Bituminous 243. Grdr Spacing/No.: /
-1.00	-1.00	-1.00					
-1.00	-1.00	-1.00					

APPRAISAL 36a. Brdg Rail: N/A or not required 36b. Transition: N/A or not required 36c. Appr. Rail: N/A or not required 36d. Appr. Rail Ends: N/A or not require 67. Str Evaluation: 5 Above Min Tolera 68. Deck Geom.: Not applicable (NBI) 69. Vert./Horiz. Undclr: Not applicable (NB 71. Waterway Adeq: 5 Above Tolerable 72. Appr. Alignment: 8 Equal Desirable Crit 113. Scour Critical: 8 Stable Above Footin	PROPOSED IMPROVEMENT 94. Bridge Cost: \$100,000 95. Roadway Cost: \$75,000 96. Total Cost: \$225,000 97. Yr. of Cost Est.: 2015 75. Type of Work: 33 Widen w/o Deck Rel 76. Lngth of Improvement: 109.6 ft 114. Future ADT: 4,191 115. Yr. of Future ADT: 2040
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NAVIGATION DATA 38. Nav. Control: Permit Not Required 39. Vert. Clearance: 0.0 ft 40. Horiz. Clearance: 0.0 ft 111. Pier Protect.: Not Applicable (P) 116. Lift Bridge Vert. Clr.: 0.0 ft	244. Span Lengths: 245. Girder Depth: 246a. Type of Overlay: NA b. Overlay Thickness: c. Overlay Date: 01/01/1901 d. Only Depth Changed >1": 247. Protective Systems: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table> 248. # Field Splices w/ Corrosion: 249. Scour Crit. POA Exists?: No 250. Headwall: 47.60 258. Plans w/Found. in ODOT File: - 259. Scour Eval. in ODOT File: - 263. Interchange at Intersection: - 264. Interstate Milepoint: -1.00				

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Inspection Date: 10/9/23 Invoice No.: HWL141023			Wayne Roesner Inspected With: Lukas Evans	
 Digitally signed by Wayne Roesner (Ite) DN: C=US, E=wroesner@hwlochner.com, O=Lochner, CN=Wayne Roesner (Ite) Date: 2023.12.19 15:12:18-06'00'				

BRIDGE NOTES:

INSPECTION NOTES: 10/9/23

Up to 10" of water standing in all pipes. cavity forming between pipes 2 and 3 on north shoulder.

ELEMENT CONDITION STATE DATA

Elem. / Env	Description	Unit	Total Qty	% 1	Qty. 1	% 2	Qty. 2	% 3	Qty. 3	% 4	Qty. 4	
240 / 4	Steel Culvert	ft	295.00	0%	0.00	92%	272.00	6%	18.00	2%	5.00	
PX- Significant loss of section to lower portions of pipe. North headwall has minor cracks and moderate drift collision scars. Moderate to heavy rust and pitting on all 6 pipes. North end of the east pipe & middle of the west pipe has minor deflections. Lower 1/8 has some section loss, east pipe rusted through in 5 locations. Fill leaking 22" from north end of east pipe, 3" deflections.												
870 / 1	Concrete Wingwall	each	4.00	0%	0.00	100%	4.00	0%	0.00	0%	0.00	
968 / 1	Erosion SF	each	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00	

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

County: Cleveland ODOT District: 3 Facility Carried: W ROBINSON ST
Structure: 14E1230N3070003 NBI# 20663 Feature Intersected: CREEK



Roadway view, looking west



Roadway view, looking east

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Elevation view, looking north



Elevation view, looking south

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5 perforations in east pipe



E. pipe 22" from north 3" deflection

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3 sink holes behind north headwall, approx. 1' deep