

# Oklahoma Dept. of Transportation - Bridge Inspection Report

NBI No.:	Structure No.:	Local ID:	Suff. Rating:																														
13925000000000	6702 0894 X	-1	58.10																														
<b>Bridge Description:</b>		<b>INSPECTION</b>																															
<b>IDENTIFICATION</b>		<b>INSPECTION</b>																															
4-100ft. CONT. I-BM. SPANS WITH 2-18ft. SAFETY CURBS		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Insp. Req.</th> <th>Insp. Done</th> <th>Freq.</th> <th>Insp. Date</th> <th>Next Insp.</th> </tr> </thead> <tbody> <tr> <td>NBI:</td> <td></td> <td>1</td> <td>24 months</td> <td>4/18/2018</td> <td>4/18/2020</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> </tbody> </table>		Type	Insp. Req.	Insp. Done	Freq.	Insp. Date	Next Insp.	NBI:		1	24 months	4/18/2018	4/18/2020	FC:	N	0		NA	NA	UW:	N	0		NA	NA	OS:	N	0		NA	NA
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NBI:		1	24 months	4/18/2018	4/18/2020																												
FC:	N	0		NA	NA																												
UW:	N	0		NA	NA																												
OS:	N	0		NA	NA																												
1. State: Oklahoma 2. Division: Division 3 3. County: SEMINOLE 4. City: Unknown Admin Area: Unknown 5a. On/Under: Route On Structure 5b. Kind of Hwy: U.S. Hwy 5c. Lvl of Srvc: Mainline 5d. Route No.: 00270 5e. Dir. Sufx: N/A (NBI)		7. Facility Carried: U.S. 270 6. Feat. Intersect: WEWOKA CREEK 9. Location: 6.7 MI SE SH 3 11. Mile Post: 8.938 mi 13. LRS Inv. / Sub Rte: 6702 0000 / 05 16. Latitude: 35° 10' 19.17" 17. Longitude: 096° 34' 42.63" 98. Border Brdg: Unknown (P) % Responsible: 0.00 99. Border Brdg #: Unknown																															
<b>STRUCTURE TYPE AND MATERIALS</b>		<b>CLASSIFICATION</b>																															
43a/b. Main Span: Steel Cont. / Stringer/Girder 44a/b. Appr. Span: Unknown / Unknown (P) 45. # of Main Spans: 4 46. # of Appr. Spans: 0 107. Deck Type: Concrete-Cast-in-Place 108a. Wearing Surface: Bituminous 108b. Membrane: Unknown 108c. Deck protection: Unknown		12. Base Hwy Net.: On Base Network 20. Toll Facility: On free road 21. Custodian: State 22. Owner: State 26. Function Class: 06 Rural Minor Arter 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 112. NBIS Length: Long Enough																															
<b>AGE AND SERVICE</b>		<b>CONDITION</b>																															
19. Detour Length: 3.7 mi 27. Year Built: 1957 28a/b. Lanes on/un: 2 / 0 29. ADT: 6,100 30. Year of ADT: 2016 42a/b. Type of Svc on/und: Highway / Waterway		58. Deck: 4 Poor 62. Culvert: N/A (NBI) 59. Sup.: 5 Fair 71. Chan./Chan. Prot.: 6 Bank Slumping <b>Flowline Notes</b> @ S. 3, N. SIDE, D. STR., TOP OF PARAPET, 47' 4"																															
<b>GEOMETRIC DATA</b>		<b>LOAD RATING AND POSTING</b>																															
10. Vert. Clearance: 99.99 ft 32. Appr Rwy Width: 40.00 ft 33. Median: No median 34. Skew: 30.00° 35. Struct. Flared: No flare 47. Horizontal Clr: 28.00 ft 48. Length Max Span: 100.00 ft 49. Struct. Length: 400.92 ft		31. Design Load: M 18 (H 20) 41. Post. Status: A Open, no restriction 63. Op / 65. Inv. Rating Meth.: LF Load Factor / 1 LF Load Factor 64. Operating Rating (tons) (H/HS/3-3): <table border="1" style="display: inline-table; margin-right: 10px;"> <tr><td>32.30</td><td>48.28</td><td>64.04</td></tr> <tr><td>19.40</td><td>28.99</td><td>38.36</td></tr> </table> 66. Inventory Rating (tons) (H/HS/3-3): 70. Posting: 5 At/Above Legal Loads Date Rated: 10/28/2010		32.30	48.28	64.04	19.40	28.99	38.36																								
32.30	48.28	64.04																															
19.40	28.99	38.36																															
50a. Curb/Sdwk Width L: 1.50 ft 50b. Curb/Sdwk Width R: 1.50 ft 51. Width Curb to Curb: 28.00 ft 52. Width Out to Out: 31.00 ft Deck Area: 12,432.32 sq. ft 53. Min. Vert. Cl. Ovr Brg: 99.99 ft 54a. Min. Vrt. Undclr. Ref.: N Feature not hv 54b. Min. Vert. Underclr.: 0.00 ft 55a. Min. Lat. Undclr. Ref. R: N Feature not 55. Min. Lat. Underclr. R: 0.00 ft 56. Min. Lat. Underclr. L: 0.00 ft		<b>APPRAISAL</b>																															
200c. Temperature: 30 200d. Weather: Clear 201. Struc. Stl. ASTM Desig.: -1 / -1 202. Waterprf. Membrane: -1 Date Installed: 01/01/1901 203. Type Exp. Device: Sliding Plate Pourable 204. Type of Railing: Parapet Retrofit 205. Material Quantity: 2,377.00 208a. Type of Abutment: Skeleton b. Type of Foundation: Concrete Piling 209. Type of Pier/Found.: B / Yes Steel Piling 210. Foundation Elev.: <table border="1" style="display: inline-table; margin-right: 10px;"> <tr><td>-1.00</td><td>7,921.00</td></tr> <tr><td>-1.00</td><td>-1.00</td></tr> </table> 211. Wear. Surf. Prot. Sys: None Date Installed: 01/01/1901 213. Utilities Attached:		-1.00	7,921.00	-1.00	-1.00	36a. Brdg Rail: 0 Substandard 36b. Transition: 0 Substandard 36c. Appr. Rail: 0 Substandard 36d. Appr. Rail Ends: 0 Substandard 67. Str Evaluation: 5 Above Min Tolera 68. Deck Geom.: 4 Tolerable 69. Vert./Horiz. Undclr.: Not applicable 71. Waterway Adeq.: 7 Above Minimum 72. Appr. Alignment: 8 Equal Desirable 113. Scour Critical: 8 Stable Above Foot <b>PROPOSED IMPROVEMENTS</b> 94. Bridge Cost: \$1,003,070 95. Roadway Cost: \$1,655,066 96. Total Cost: \$2,808,597 97. Yr. of Cost Est.: 2015 75. Type of Work: 31 Repl-Load Capacit 76. Lngth of Improvement: 426.6 ft 114. Future ADT: 9,760 115. Yr. of Future ADT: 2036 <b>NAVIGATION DATA</b> 38. Nav. Control: Permit Not Required 39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft 111. Pier Protect.: 1 Not Required 116. Lift Bridge Vert. Clr.: 0.0 ft																											
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<b>OKLAHOMA ITEMS</b>		<b>PROPOSED IMPROVEMENTS</b>																															
214a. Posted Weight Limit: NR b. Posted Speed Limit: 65 c. Narrow/1way Bridge Sign: d. Vertical Clr. Sign: NA Adv. Warning Sign: NA e. Navigation Lights?: No Working/Not Working: NA 215. Overpass: U.S. HIGHWAY 221. Substr. Cond. (U/W): 222. Fill Over RCB: 0 223. Appr. Slab/Rwy Cond.: 4 225. Paint Type/Ovrct: Red Lead 3 Coat Syst N/A 226. Date Painted: 1957 227. Paint Color: Gray 233. Deck Forming: Conventional Forming 238. School Bus Rte.: Current bus route 240. Appr. Rwy Type.: Asphalt/Bituminous 243. Grdr Spacing/No.: / 5		244. Span Lengths: 245. Girder Depth: 246a. Type of Overlay: AC Overlay b. Overlay Thickness: 2.00 c. Overlay Date: 08/01/1991 d. Ovlly Depth Changed >1": N 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: 6 249. Scour Crit. POA Exists?: No 250. Headwall: 254. Thru Truss Type: 257a. OkiePROS Truck Routing: Yes 258. Plans w/ Found. in ODOT File: 259. Scour Eval. in ODOT File: 263. Interchange at Intersection: No 264. Interstate Milepoint: -1.00																															

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Inspection Date: 4/18/18      Reported By: Mark Peterman

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Invoice No.:                      Inspected With: Keith Bennett



**ELEMENT CONDITION STATE DATA**

Elem. / Env	Description	Unit	Total Qty	% 1	Qty. 1	% 2	Qty. 2	% 3	Qty. 3	% 4	Qty. 4
12 / 4	Re Concrete Deck	sq.ft	11,200.00	0%	0.00	64%	7,200.00	36%	4,000.00	0%	0.00
PX: SEVERAL PATCHES^ POTHOLES & IMPENDING POTHOLES THUR-OUT. LOTS OF DEBRIS ON SHOULDERS.											
107 / 4	Steel Opn Girder/Beam	ft	1,000.00	0%	0.00	60%	600.00	40%	400.00	0%	0.00
FX - SEC. LOSS TO TOP AND BOTTOM FLANGES, MOSTLY AT BMS 1 AND 5.											
205 / 4	Re Conc Column	each	6.00	67%	4.00	0%	0.00	33%	2.00	0%	0.00
PX: FOOTINGS ARE EXPOSED @ P. 2. RIP RAP IS IN PLACE.											
210 / 4	Re Conc Pier Wall	ft	75.00	100%	75.00	0%	0.00	0%	0.00	0%	0.00
-1											
215 / 4	Re Conc Abutment	ft	72.00	51%	37.00	28%	20.00	21%	15.00	0%	0.00
FX: MIN./MOD. CRACKING @ BOTH ABUTS. MOD. SPALLING TO BACK WALL @ EAST. MOD. SPALLING W/EXPOSED REBAR @ W. ABUT. SOUTH OR EAST BMS PUSHING INTO BACKWALL.											
234 / 4	Re Conc Pier Cap	ft	124.00	82%	102.00	16%	20.00	2%	2.00	0%	0.00
FX: Only 3ft. of spalling with rebar exposed. (1ft. at pier 3. and 1ft. at pier 1) MINOR CRACKING @ P. 3. 2 & 1. DEBRIS BUILDING UP ON CAPS. PIER 2 IS WORST. CLEAN CAPS.											
304 / 4	Open Expansion Joint	ft	62.00	0%	0.00	0%	0.00	0%	0.00	100%	62.00
PX: Jts. are covered with asphalt^ but signs of heavy leakage. FAILED.											
311 / 4	Moveable Bearing	each	20.00	0%	0.00	100%	20.00	0%	0.00	0%	0.00
-1											
313 / 4	Fixed Bearing	each	5.00	0%	0.00	100%	5.00	0%	0.00	0%	0.00
-1											
321 / 4	Re Conc Approach Slab	sq.ft	2.00	0%	0.00	100%	2.00	0%	0.00	0%	0.00
-1											
331 / 4	Re Conc Bridge Railing	ft	802.00	73%	582.00	25%	200.00	2%	20.00	0%	0.00
FX: MINOR SPALLING & CRACKING WITH REBAR EXPOSED.											
510 / 4	Wearing Surfaces	sq.ft	11,200.00	0%	0.00	64%	7,200.00	36%	4,000.00	0%	0.00
PX: SEVERAL PATCHES^ POTHOLES & IMPENDING POTHOLES THUR-OUT. LOTS OF DEBRIS ON SHOULDERS.											
515 / 4	Steel Protective Coating	sq.ft	2,500.00	0%	0.00	0%	0.00	100%	2,500.00	0%	0.00
PX: Areas close to jts. and outside beams^ HAVE MOD. CORR. & some sec. loss & LAM.CORR.											
859 / 4	Soffit	(EA)	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
PX: Patches^ spalling - some with rebar exposed^ cracking - some with leaching^ W/FALSE WORK THROUGHOUT.											
865 / 4	St.Open Gird End(5ft)	(LF)	1,000.00	0%	0.00	30%	300.00	50%	500.00	20%	200.00
PX: MOD. CORR. and sec. loss W/LAM. CORR. due to joints leaking.											
870 / 4	Concrete Wingwall	(EA)	2.00	100%	2.00	0%	0.00	0%	0.00	0%	0.00
NOTE - BOTH SOUTH WINGS CRACKED WITH MINOR SEPERATION.											
872 / 4	St.Gird Und Const.Jt	(LF)	589.00	0%	0.00	0%	0.00	0%	0.00	100%	589.00
PX: JOINTS HAVE FAILED.											
909 / 4	Pourable Fix Jt.Seal	(LF)	589.00	0%	0.00	0%	0.00	0%	0.00	100%	589.00
PX: JOINTS HAVE FAILED THR.											
957 / 4	Pack Rust Smart Flag	(EA)	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
FX: Splices are very rusty with sec. loss and pack rust.											
958 / 4	Concrete Cracking SF	(EA)	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
FX: MOD./SEV. DECK CRACKING. MINOR TO PIER CAPS.											
963 / 4	Steel Section Loss SF	(EA)	1.00	0%	0.00	100%	1.00	0%	0.00	0%	0.00
FX: MINOR/MOD. SECT/LOSS @ FIELD SPLICES. BMS. & BM. ENDS. MOD./SEV. @ DIAPH.											
968 / 4	Erosion SF	(EA)	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
PX: MINOR & MOD. EROSION @ P. 2 & E. ABUT.											

**BRIDGE NOTES:**

PX: REMOVE TREES.

**INSPECTION NOTES:**      4/18/18

NOTE: INSP. W/SNOOPER.