

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

Suff. Rating: 98.3
ND

Health Index :
90.3

NBI No.: 13783

Structure No.: 6702 1082 X

Local ID:-1

IDENTIFICATION
Description: (13'-17'-13'')X 14'X 44' RDY RC BOX W/ PARAPETS & 4' CURTAIN WALLS
1. State: Oklahoma 2. SHD District: Division 3
3. County Code: SEMINOLE 4. Place Code: Unknown
Admin. Area: Unknown
5. Inventory Route (Route On Structure) : 1 - 2 - 1 - 00270 - 0
6. Feature Intersected: CREEK
7. Facility Carried: U.S. 270 U.S. 270
9. Location: 8.5 MI SE SH 3 11. Mile Post: 10.817 mi
13. LRS Inv. Route./ Subroute.: 6702 0000 05
16. Latitude: 35 09 33.60 17. Longitude: 096 33 09.21
98. Border Br. Code: Jkknown (P) % Resp. : 0 99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS
43. Main Span Material and Design Type
Concrete Culvert
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 3 46. No. of Approach Spans: 0
107. Deck Type: N N/A (NBI)
108A. Wearing Surface: N N/A (no deck (NBI))
108B. Membrane: 0 None
108C. Deck Protection: None

AGE AND SERVICE
27. Year Built: 1957 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 3.7 mi
29. ADT: 6100 30. Year of ADT: 2015 109. Truck ADT %: 16
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

GEOMETRIC DATA
10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 44.0 ft
Deck Area: 2,152.8 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 44.0 ft
48. Length Maximum Span: 17.1 ft 49. Structure Length: 46.9 ft
50A. Curb/Sdwk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 44.0 ft 52. Width Out to Out: 44.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft
N/E S/W
Meas. -1 -1 -1 -1 -1
Post. DO NOT U DO NOT U DO NOT U DO NOT U DIV. 3 -1
55A/55B. Minimum Lateral Underclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Underclearance L: 0.0 ft

200c. Temperature: 53
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
204. Type of Handrail: SFP-1
205. Material and Quantity : -1.0
208. Type of Abutment : -
Type of Foundation : -
209. Type of Pier / Found.: - -
210. Foundation Elev. -1.0 -1.0
 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : NO
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
e. Navigation Lights : -
Working/Not Working : -
215. Overpass : C - US Highway
221. Substructure Cond. (U/W) : -
222. Fill over RCB: 01
223. Appr. Slab/Rdwy Cond.: Good
225. Paint Type : -
Overcoat : Not Applicable
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	1/26/2018	1/26/2020
FC Freq.:	N	N	NA	NA	NA
UW Freq.:	N	N	NA	NA	NA
OS Freq.:	N	N	NA	NA	NA

CLASSIFICATION
12. Base Hwy Network : On Base Network 20. Toll Facility: 3 On free road
21. Custodian: 01State Highway Agency 22. Owner: 01State Highway Agency
26. Functional Class: 06 Rural Minor Arteri 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

CONDITION
58. Deck: N N/A (NBI) 59. Super.: N N/A (NBI) 60. Sub.: N N/A (NBI)
62. Culvert: 6 Deterioration 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:

CULVERT

LOAD RATING AND POSTING
31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 2 AS Allow. Stress-To Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H/ HS / 3-3): 33.0 49.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 19.9 36.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-T
70. Posting: 5 At/Above Legal Loads Date Rated : 1/1/1901

PROPOSED IMPROVEMENTS
94. Bridge Cost: \$256,621 75. Type of Work: 31 Repl-Load Capacit
95. Roadway Cost: \$423,425 76. Lgth. of Improvement: 46.9 ft
96. Total Cost: \$718,539 114. Future ADT: 9760
97. Year of Cost Est.: 2015 115. Year of Future ADT: 2035

NAVIGATION DATA
38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL
36A. Bridge Rail: 1 Meets Standards 36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards 36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 7 Countermeasures

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : -
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? -
247. Protective Systems : 1: -
2: - 3: -
4: - 5: -
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: -
250. Culvert Headwall Dist.: 42.0
256. Chan. Profile Up/Down Stream?: -
257a. OkiePROS Auto. Truck Routing Culv
258. Plans w/ found. are in file at ODOT:
259. Scour Eval. is in file at ODOT:
263. Interchange at Intersection: No Interchange
264. Interstate Milepoint: -1.00

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NBI No.: **13783** Structure No.: 6702 1082 X Local ID:-1

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ND

Health Index :
90.3

Inspection Date: 1/26/2018 Reported By: UFD3012
Invoice No.: -1 Inspected With: Erik Cox
Agency :

Structure / Inspection Notes

#61 BC&D. FENCE APPR 50' FROM STR. UPSTREAM HAS CAUGHT DRIFT. HISTORY CONSERVATION LAKE APPR 1/2 MILE UPSTREAM HAS AFFECTED HYDRAULICS. WATER GAP ACROSS S. CHAN APPR 30' FROM STR.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
241	1	Reinforced Concrete Culvert	(LF)	138	116	84 %	7	5 %	15	11 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	95	54	57 %	0	0 %	41	43 %	0	0 %	0	0 %
961	1	Scour	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements _____

Elem.	Element Notes (Include Size and Location of Deterioration)
241	FX- LARGE SPALL APPR. 12'X1'X9', W/ EXP REBAR TO TOP OF N HDWL-THIS HAS ALLOWED THE CTR SECTION OF N. RAIL E. END TO SAG APPR 1" & BE OUT OF HORIZ ALIGN APPR 3" @ TOP. MUCH LEACHING TO S. HDWL UNDER PARAPETS. VERTICAL CRACKS W/ LEACHING IN ALL BBL'S.
331	PX- SEE NOTE FOR #241 (MONITOR).
961	FX- APPR 1' SCOUR @ S. (UPSTREAM) END OF E. BBL & 6" @ S. UPSTREAM END OF S. BBL- THIS HAS BEEN CORRECTED.
970	FX- FULL DEPTH DIAG. CRACKS TO S-E & N-W WINGS NEAR CTRS.