

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

Suff. Rating: 30.2
SD

Health Index :
80.3

NBI No.: 13079

Structure No.: 6702 0402 X

Local ID:-1

IDENTIFICATION
Description:
6-25' CONC. SLAB SPANS WITH 2-18' SAFETY CURBS
1. State: Oklahoma 2. SHD District: Division 3
3. County Code: SEMINOLE 4. Place Code: SEMINOLE
Admin. Area: Unknown
5. Inventory Route (Route On Structure) : 1 - 2 - 1 - 00270 - 0
6. Feature Intersected: CARTER CREEK
7. Facility Carried: U.S. 270 U.S. 270
9. Location: 1.7 MI E SH 3 11. Mile Post: 4.019 mi
13. LRS Inv. Route./ Subroute.: 6702 0000 01
16. Latitude: 35 13 15.98 17. Longitude: 096 38 37.02
98. Border Br. Code: Jkknown (P) % Resp. : 0 99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS
43. Main Span Material and Design Type
Concrete Slab
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 6 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 8 Unknown
108C. Deck Protection: 8 Unknown

AGE AND SERVICE
27. Year Built: 1953 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 8.7 mi
29. ADT: 7400 30. Year of ADT: 2015 109. Truck ADT %: 7
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: 4,650. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 28.0 ft
48. Length Maximum Span: 24.9 ft 49. Structure Length: 149.9 ft
50A. Curb/Sdwk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 28.0 ft 52. Width Out to Out: 31.0 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: 59
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Other Type
204. Type of Handrail: Parapet Retrofit
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Concrete Piling
209. Type of Pier / Found.: Bent Yes
Concrete Piling
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 : Missing
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: 0
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	11/30/2017	11/30/2019
FC Freq.:	N	N	NA	NA	NA
UW Freq.:	N	N	NA	NA	NA
OS Freq.:	Y	N	24	10/31/2016	10/31/2018

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: 14 Urban Other Princ 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: 1 On the 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: 4 Poor 59. Super.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 4 Protection Undermined
Flowline Notes:
25' 0" TOP RAIL, S. SIDE, 1' 3" DEEP.

LOAD RATING AND POSTING
31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Ton Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 26.9 48.5 73.8
66. Inventory Rating (H / HS / 3-3) : 15.2 27.4 41.8
65. Inv. Rating Method: 1 LF Load Factor-Ton Alt. Inv. Rating Meth.: 1 LF Load Factor-To
70. Posting: 5 At/Above Legal Loads Date Rated : 3/1/2005

PROPOSED IMPROVEMENTS
94. Bridge Cost: \$1,881,808 75. Type of Work: 31 Repl-Load Capacit
95. Roadway Cost: \$3,104,983 76. Lgth. of Improvement: 253.3 ft
96. Total Cost: \$5,269,062 114. Future ADT: 11840
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: 4 Minimum Tolerable 68. Deck Geometry: 2 Intolerable - Replace
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: 5 Stable w/in footing

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 : AC Overlay
246. Overlay Thickness : 5.5
246. Overlay Date : 10/1/1999
246. Overlay Depth Changed > 1"? No
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.: -1.0
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing Yes
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.: **13079** Structure No.: 6702 0402 X Local ID:-1

Inspection Date: 11/30/2017 Reported By: UFD3012
 Invoice No.: -1 Inspected With: Erik Cox
 Agency :

Structure / Inspection Notes

HISTORY POSTED CARTER CREEK. OTHER-SPECIAL INSP. IS FOR SCOUR & DETERIORATION.

#61 (PX) ACB&D. INTERIOR SPANS NEEDS VEG'T CLEARED & FILL RESHAPED. OLD WOOD SUPSTR IN CHAN IS HANGING DRIFT & DEBRIS. SOME BANKS ARE VERTICAL. #214 (PX) NARROW BRIDGE SIGNS NEEDED. (FX) APPR FLEX DAMAGE @ THE N-W/N-E. HISTORY POSTED CARTER CREEK. #223 (FX) SOME SEALING NEEDED.

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
38	4	Reinforced Concrete Slab	(SF)	4,628	0	0 %	2,024	44 %	2,314	50 %	290	6 %	0	0 %
205	4	Reinforced Conc Column or Pile Extension	(EA)	37	14	38 %	14	38 %	9	24 %	0	0 %	0	0 %
210	4	Reinforced Conc Pier Wall	(LF)	154	69	44 %	72	47 %	13	9 %	0	0 %	0	0 %
215	4	Reinforced Conc Abutment	(LF)	62	43	66 %	10	17 %	10	17 %	0	0 %	0	0 %
234	4	Reinforced Conc Cap	(LF)	154	26	15 %	79	51 %	43	28 %	7	6 %	0	0 %
301	4	Pourable Joint Seal	(LF)	141	0	0 %	0	0 %	0	0 %	141	100 %	0	0 %
321	4	Reinforced Conc Approach Slab w/ or w/o AC O	(EA)	2	0	0 %	2	100 %	0	0 %	0	0 %	0	0 %
331	4	Reinforced Conc Bridge Railing	(LF)	299	244	82 %	10	3 %	45	15 %	0	0 %	0	0 %
510	4	Wearing Surfaces	(SF)	4,628	717	16 %	3,911	84 %	0	0 %	0	0 %	0	0 %
859	4	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	0	0 %	0	0 %	1	100 %	0	0 %
909	4	Pourable Fixed Joint Seal	(LF)	56	0	0 %	0	0 %	0	0 %	56	100 %	0	0 %
961	4	Scour	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
966	4	Exposed Abutment Piling	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration)
38	PX- GUTTERS ARE SEVERELY DETERIORATED.
205	PX- CONC PILES ARE EXP. UNDER ABUTS & @ PIER WALLS - SOME HAVE OPEN CRACKS W/ HEAVY LEACHING. PIERWALL # 2, PILES # 2,3,4,5,6 & 7 ARE HEAVILY DELAMINATED. PIERWALL # 3, PILES # 1,2 & 3 ARE HEAVILY DELAMINATED.
210	PX- ENDS OF CAPS & WALLS HAVE DETERIORATION & HEAVY LEACHING W/ STAINS & SOME EXP REBAR, SOME PORTIONS HAVE SPALLED OFF. CRACKING W/ EFFLOR. IS GETTING HEAVIER.
215	FX- SOME MINOR SPALLS W/ EXP REBAR ENDS & SOME CRACKING.
234	PX- SEE NOTE FOR #210.
301	PX- JT'S HAVE FAILED.
321	FX- SLABS HAVE PREVIOUS SETTLEMENT, WHICH HAS BEEN CORRECTED W/ ASPH (APPR 4").
331	PX- 2 SECTIONS OF RAIL NEED REPAIR @ THE NORTH, 6' PORTION OF THE S. RAIL FELL OUT / REPLACED IT W/ GUARDRAIL.
510	SOME CRACKING TO OVLY.
859	PX- HEAVY DETERIORATION & LEACHING & STALACTITS W/ SOME STAINING & EXP REBAR TO OUTER PORTIONS @ JTS.
909	PX- JT'S HAVE FAILED.
961	FX- 2'-5' OF PILING EXP UNDER PIER WALLS @ CHAN - NOTE SCOUR EVALUATION WAS DONE 1995 BY LESLIE LEWIS
966	PX- SEE INSP. NOTES