

Oklahoma Dept. of Transportation - Bridge Inspection Report

Hea/Hh

NBI No.: 13925000000000
Structure No.: 6702 0894 X

Local ID: -1

Surf. Rating: 58-10

Index
64.44

Bridge Description:

IDENTIFICATION

4-100ft. CONT. I-EM. SPANS WITH 2-18ft. SAFETY CURBS

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. Suffix: N/A (NBI)

7. Facility Carried: U.S. 270
 6. Feat. Intersect: WEMOKA CREEK
 9. Location: 6.7 MI SE SH 3
 11. Mile Post: 8.938 mi
 13. LRS Inv. / Sub Rate: 6702 0000 / 05
 17. Longitude: 35° 10' 19.17"
 17. Longitude: 096° 34' 42.63"
 98. Border Brdg: Unknown (P)
 % Responsible: 0.00
 99. Border Brdg #: Unknown

STRUCTURE TYPE AND MATERIALS

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

AGE AND SERVICE

19. Detour Length: 3.7 mi
 27. Year Built: 1957
 28a/b. Lanes on/unt: 2 / 0
 29. ADT: 6,100
 30. Year of ADT: 2016
 42a/b. Type of Svc on/undr: Highway / Waterway

GEOMETRIC DATA

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

50a. Curb/Sdwk Width L: 1.50 ft
 50b. Curb/Sdwk Width R: 1.50 ft
 51. Width Cut 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. Vert. Undercr. Ref.: N Feature not hv
 54b. Min. Vert. Undercr.: 0.00 ft
 55a. Min. Lat. Undercr. R: 0.00 ft
 55. Min. Lat. Undercr. L: 0.00 ft

OKLAHOMA ITEMS

200c. Temperature: 30
 200d. Weather: Clear
 201. Struct. Stil. 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.: -1.00 / -1.00 / -1.00
 211. Wear. Surf. Prot. Sys.: None
 Date Installed: 01/01/1901
 213. Utilities Attached:

INSPECTION

Type	Insp. Req.	Insp. Done	Freq.	Insp. Date	Next Insp.
NBI:	N	1	24 months	4/18/2018	4/18/2020
FC:	N	0		NA	NA
UW:	N	0		NA	NA
OS:	N	0		NA	NA

CLASSIFICATION

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 STRAHHNET hwy | 112. NBIS Length: Long Enough

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 STRAHHNET

CONDITION

58. Deck: 4 Poor
 62. Culvert: N/A (NBI)
 71. Chan./Chan. Prot.: 6 Bank Slumping
Flowline Notes
 @ S. 3, N. SIDE, D. STR., TOP OF PARAPET, 47' 4"

LOAD RATING AND POSTING

31. Design Load: M 18 (H 20)
 41. Post. Status: A Open, no restriction
 63. Op / 65. Inv. Rating Meth.: LF Load Factor
 64. Operating Rating (tons) (H/H/S/3-3):
 65. Inventory Rating (tons) (H/H/S/3-3):
 70. Posting: 5 A/A/Above Legal Loads

Date Rated:	10/29/2010	
32.30	48.28	64.04
19.40	28.99	38.36

APPRAISAL

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 Tolerz | 113. Scour Critical: 8 Stable Above Foot

68. Deck Geom.: 4 Tolerable
 69. Vert./horiz. Undrcl.: Not applicable
 71. Waterway Adeq.: 7 Above Minimum
 72. Appr. Alignment: 8 Equal Desirable

PROPOSED IMPROVEMENTS

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. Length of Improvement: 426.6 ft
 114. Future ADT: 9,760
 115. Yr. of Future ADT: 2036

NAVIGATION DATA

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

SPAN LENGTHS:

244. Span Lengths:
 245. Girder Depth:
 246a. Type of Overlay: AC Overlay
 b. Overlay Thickness: 2.00
 c. Overlay Date: 08/01/1991
 d. Only Depth Changed >1": N
 247. Protective Systems
 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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13925000000000

Structure No.:
6702 0894 X

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-1

Surf. Rating:
58-10

Inspection Date: 4/18/18

Reported By:

Mark Peterman

Invoice No.:

Inspected With:

Keith Bennett

MARK PETERMAN

Digitally signed by MARK PETERMAN
DN: cn=MARK PETERMAN, o=DOT,
ou=BRIDGE DIVISION,
email=mpeterman@dot.org, c=US
Date: 2018.06.15 12:12:48 -0500

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 leading^ 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 WILLAM. 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/INSPOOPER.