

OKLAHOMA DEPARTMENT OF TRANSPORTATION -

Bridge Inspection Report

Suff. Rating: 63.6
FOHealth Index :
63.5

NBI No.: 12814

Structure No.: 7278 0060NX

Local ID:-1

Description:

IDENTIFICATION

33'-46'-33'- CONC. RIGID FRAME.

1. State: Oklahoma 2. SHD District: Division 8
3. County Code: TULSA 4. Place Code: TULSA
Admin. Area: Unknown

5. Inventory Route (Route On Structure) : 1 - 1 - 1 - 00044 - 0

6. Feature Intersected: 33 RD W.AVE. UNDER

7. Facility Carried: I-44 I-44

9. Location: .6 MI E JCT SH 66 11. Mile Post: 0.600 mi

13. LRS Inv. Route./ Subroute.: 7278 N0000 01

16. Latitude: 36 05 20.58 17. Longitude: 096 01 47.13

98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type

Concrete Continuous Frame

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: 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: 1952

106. Year Reconstructed: Unknown

28A. Lanes on: 2 28B. Lanes Under: 2 19. Detour Length: 0.1 mi

29. ADT: 23650 30. Year of ADT: 2012 109. Truck ADT %: 12

42A. Type of Service on: 1 Highway

42B. Type of Service under: 1 Highway

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft

32. Approach Roadway Width (W/ Shoulders): 44.0 ft

Deck Area: 3,659.7 sq. ft 33. Median: 1 Open median

34. Skew: 0 35. Structure Flared: 0 No flare

47. Inv. Rte. Total Horiz. Clr.: 26.9 ft

48. Length Maximum Span: 45.9 ft 49. Structure Length: 113.8 ft

50A. Curb/Sdwk Width L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft

51. Width Curb to Curb: 26.9 ft 52. Width Out to Out: 32.2 ft

53. Minimum Vertical Clearance Over Bridge: 328.1 ft

54A/54B. Min. Vert. Underclearance : H Hwy beneath struct 15.3 ft

N/E

S/W

Meas. N1504 -1 -1 -1 S1504 -1

Post. DO NOT U DO NOT U DO NOT U DO NOT U DO NOT U DO NOT U

55A/55B. Minimum Lateral Underclearance R: H Hwy beneath struct 8.0 ft

56. Minimum Lateral Underclearance L: 0.0 ft

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	9/29/2014	9/29/2016
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: 11 Urban Interstate	37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 1 On Interstate STRAI	101. Parallel Structure: Left of bridge
102. Dir. of Traffic: 1 1-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: 1 Part of natl ne	112. NBIS Length: Long Enough

CONDITION

58. Deck: 5 Fair	59. Super.: 5 Fair	60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)	61. Channel/Channel Protection: N N/A (NBI)	
Flowline Notes:		

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):	27.0 48.6 -1.1
66. Inventory Rating (H / HS / 3-3):	16.2 35.7 -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: \$744,020	75. Type of Work: 31 Repl-Load Capacit
95. Roadway Cost: \$1,227,633	76. Lgth. of Improvment: 190.3 ft
96. Total Cost: \$2,083,256	114. Future ADT: 37840
97. Year of Cost Est.: 2007	115. Year of Future ADT: 2032

NAVIGATION DATA

38. Navigation Control: NA-no waterway	40. Horizontal Clearance: 0.0 ft
39. Vertical Clearance: 0.0 ft	116. Lift Bridge Vert. Clear.: 0.0 ft
111. Pier Protection: 1 Not Required	

APPRAISAL

36A. Bridge Rail: 1 Meets Standards	36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard	36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable	68. Deck Geometry: 2 Intolerable - Replace
69. Underclearance, Vertical and Horizontal: 5 Above Tolerable	
71. Waterway Adequacy: N Not applicable	
72. Approach Alignment: 8 Equal Desirable Crit	
113. Scour Critical: N Not Over Waterway	

200c. Temperature: 75

200d. Weather: CLEAR

201. Structural Steel ASTM Desig.: -1 -1

202. Waterproof Membrane : -1

Date Installed : 1/1/1901

203. Type Exp. Dev. : Pourable

204. Type of Handrail: Concrete Parapet - No rail

205. Material and Quantity : -1.0

208. Type of Abutment : Skeleton

Type of Foundation : Concrete Piling

209. Type of Pier / Found.: 1 Pier -
No Piling or Drilled Shaft210. Foundation Elev. 6980.0 6950.0
6965.0 6980.0 -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 : N

d. Vertical Clearance Sign: YES

Advanced Warning Sign : NO

Min. Measured Clearance : 1504

Max. Measured Clearance : 1506

e. Navigation Lights : -

Working/Not Working : -

215. Overpass : A - Interstate

221. Substructure Cond. (U/W) : -

222. Fill over RCB: -1

223. Appr. Slab/Rdwy Cond.: Poor

224. Critical Feature Type: -1

225. Paint Type : -

Overcoat : 0

226. Date Painted: -1

227. Paint Coloring: -1

233. Deck Forming: Conventional Forming

236. Deck Cleaning : -1

238. School Bus Rte: Current and Desired Route

240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1

244. Span Lengths :

33 -1 -1

46 -1 -1

33 -1 -1

245. Girder Depth : -1.000

246. Type of Overlay : AC Over

246. Overlay Thickness : 2.0

246. Overlay Date : 1/1/2002

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.: -1.0

254. Thru Truss Type : -

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 Y

264. Interstate Milepoint 223.39

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FO

Health Index :
63.5

NBI No.: 12814 Structure No.: 7278 0060NX Local ID:-1

Inspection Date: 9/29/2014 Reported By: UFD8003

Invoice No.: -1 Inspected With: -1

Agency :

Structure / Inspection Notes

< none >

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)	3,051	0	0 %	2,288	75 %	763	25 %	0	0 %	0	0 %
205	4	Reinforced Conc Column or Pile Extension	(EA)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %
210	4	Reinforced Conc Pier Wall	(LF)	59	46	78 %	11	19 %	2	3 %	0	0 %	0	0 %
215	4	Reinforced Conc Abutment	(LF)	66	47	71 %	14	21 %	5	8 %	0	0 %	0	0 %
301	4	Pourable Joint Seal	(LF)	52	0	0 %	0	0 %	0	0 %	52	100 %	0	0 %
321	4	Reinforced Conc Approach Slab w/ or w/o AC O	(EA)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	4	Reinforced Conc Bridge Railing	(LF)	226	226	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	4	Wearing Surfaces	(SF)	3,051	0	0 %	0	0 %	3,051	100 %	0	0 %	0	0 %
659	4	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %

Additional
Elements

Elem.	Element Notes (Include Size and Location of Deterioration)
38	FX:POTHLES, PATCHED AREAS & ASPH. FAILED.
205	< none >
210	< none >
215	FX:W.ABUT. BACKFILL ERODED.& SPALL @ S.E.CORNER.
301	FX:POURABLE JTS.FAILED,SHOW SIGNS OF LEAKAGE.
321	< none >
331	< none >
510	FX:POTHLES, PATCHED AREAS & ASPH. FAILED.
659	FX: SOFFIT SPALLING W/ HEAVY EFFLOR.

Roadway Name : 33RD W.AVE. UNDER

NBI Information Applicable To The Route Under The Structure

5. Inventory Route (Route Under Structure : 2 - 5 - 1 - 00000 - 0

10. Min. Vert. Clr.(ft.): 15.3

12. Base Hwy Network : Not on Base Network

13. LRS Inv. Rt./ Subroute : -1 / -1

19. Detour Len.(Mi.): 0.0

20. Toll Facility : 3 On free road

26. Function Class.: 17 Urban Collector

28b. Lanes Und.: 2

29. ADT : 800

32. Appr. Roadway Width (ft.) : 28.0

47. Total Horiz. Clr.(ft.): 28.0

51. Roadway Width (ft.) : 28.0

100. Defense Highway : 0 Not a STRAHNET hwy

102. Traffic Dir.: 2 2-way traffic

104. Highway System : 0 Not on NHS

105. Fed Land Hwy : 0 N/A (NBI)

109. Truck ADT% : 5

110. Natl. Truck Network : 0 Not part of natl netwo

114. Future ADT : 1280

Agency Field: 1.(Under Rte.): U 2.(Vert. X-Ref.): -1 3.(Compass Dir.): N 4.(Vert. Post. Inc.): 1500 5.(Vert. Post. Dec.): 1500