OKLAHOMA DEPARTME	NT OF TRANSI	PORTATION	V - Brid Suff. Ratin	ge Inspection	-
NBI No.: 14409 Structure No.: 3625	0698EX Local	ID:-1	Sull. Kauli ND	lg. /4./	Health Index : 66.4
Description: IDENTIFICATION			IN	SPECTION	
30'-45'-45'-30' CONT. CONC SLAB SPANS		<u>Type</u> <u>Insp Req.</u>	Insp Done Fr	eq: Insp. Date:	<u>Next Insp.:</u>
1. State:Oklahoma 2. SHD District: I		NBI:		11/2/2017	11/2/2019
3. County Code: KAY 4. Place Code: TO! Admin. Area: Unknown	NAWA	FC Freq.: N UW Freq.: N		IA NA IA NA	NA NA
5. Inventory Route (Route On Structure) : 1 - 1 - 1 - 0	0035 - 0	OS Freq.: N		IA NA IA NA	NA
6. Feature Intersected: U.S. 60 UNDER					
13. LRS Inv. Route./ Subroute.: 3625 0000 01	Mile Post: 6.979 mi ongitude: 097 20 44.32	12. Base Hwy Network 21. Custodian: 01State 26. Functional Class:	k : On Base Network Highway Agency 01 Rural Interstate		lighway Agency Not eligible for NRHP
98. Border Br. Code: Vot Applicab % Resp. : 0 99. B	order Br. #: Unknown	100. Defense righway 102. Dir. of Traffic:1 1		AF 101. Parallel Structure 103. Temp. Structure:	
STRUCTURE TYPE AND MAT 43. Main Span Material and Design Type Concrete Continuous Slab	ERIALS	104. Highway System:	1 On the NHS	105. Fed. Land Hwy ne 112. NBIS Length: Lo	0 N/A (NBI)
44. Approach Span Material and Design Type			<u>C</u> (ONDITION	
Not Applicable (P)Not Applicable45. No. of Spans Main Unit:46. No. of Approa		58. Deck: 5 Fair	59. Super	r.: 5 Fair 60	. Sub.: 5 Fair
107. Deck Type: 1 Concrete-Cast-in-Place	•	62. Culvert: N N/A	(NBI) 61. Chan	nel/Channel Protection: N	I N/A (NBI)
108A. Wearing Surface: 6 Bituminous		Flowline Notes:			
108B. Membrane: 8 Unknown 108C. Deck Protection: 8 Unknown					
AGE AND SERVICE		ļ			
	constructed: -4	31. Design Load: 5 M		ING AND POSTING 41. Posting status: A	Open no restriction
28A. Lanes on: 2 28B. Lanes Under: 4	19. Detour Length: 0.1 mi		· · · ·	Fon Alt. Op. Rating Meth	-
29. ADT: 8750 30. Year of ADT: 2015	109. Truck ADT %: 36	64. Operating Rating		26.7 42.4	68.2
42A. Type of Service on: 1 Highway		66. Inventory Rating	(H/HS/3-3):	16.0 25.5	40.9
42B. Type of Service under: 1 Highway		-		Tor Alt. Inv. Rating Meth	
GEOMETRIC DATA		70. Posting: 5 At/Abo		Date Rated : 10/28/	2009
10. Inv. Rte. Min. Vert. Clr.: 328.1 ft		04 Drides Costs		<u>D IMPROVEMENTS</u>	21 Deal Lead Constitu
32. Approach Roadway Width (W/ Shoulders): 38.0 ft		94. Bridge Cost: 95. Roadway Cost:	\$688,846 \$1,136,596	75. Type of work: 76. Lgth. of Impro	31 Repl-Load Capacit yment: 275.6 ft
Deck Area: 6,533.7 sq. ft 33. Median:		· · ·	\$1,928,769	114. Future ADT:	
34. Skew: 0 35. Structure 47. Inv. Rte. Total Horiz. Clr.: 38.0 ft	Flared: 0 No flare	97. Year of Cost Est.	: 2015	115. Year of Future	ADT: 2035
48. Length Maximum Span:44.9 ft 49. Structure	e Length: 151.9 ft			GATION DATA	
	lewalk Width R: 0.2 ft	38. Navigation Cor 39. Vertical Clearar	trol: NA-no waterway	40. Horizontal Clear	rance: 0.0 ft
51. Width Curb to Curb: 38.0 ft 52. Width O	ut to Out: 43.0 ft	111. Pier Protection:	Not Applicable (P)	116. Lift Bridge Ver	t. Clear.: 0.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft 54A/54B. Min. Vert. Underclearance : H Hwy beneath stru	ct 15.6 ft		<u>A</u>	PPRAISAL	
<u>N/E</u> <u>S/W</u>		36A. Bridge Rail: 1		36C. Approach Rail:	1 Meets Standards
<u>Meas.</u> E1510 E1601 -1 W1510) W1601 -1	36B. Transition: 1 67 Str Evaluation:	Meets Standards 5 Above Min Tolerat		ds: 1 Meets Standards 6 Equal Min Criteria
Post. DO NOT U DO NOT U DO NOT U DO NOT	DT U DIV. 4 -1		, Vertical and Horizon		1
55A/55B. Minimum Lateral Undrclearance R: H Hwy bene	ath struct 9.3 ft		uacy: N Not applicab		
56. Minimum Lateral Undrelearance L: 7.4 ft			ment: 8 Equal Desiral N Not Over Waterway		
200 - Town output 76	2140 Dooted Waisher I with	NR			hou /
200c. Temperature: 76 200d. Weather: CLEAR	214a. Posted Weight Limit: b. Posted Speed Limit :	NR 70		243. Girder Spacing/Num 244. Span Lengths :	ber: $-1.0 / -1$
201. Structural Steel ASTM Desig.: -1 -1	c. Narrow/One Lane Bridge	sign : NO		30 30	-1
202. Waterproof Membrane :-1	d. Vertical Clearance Sign: Advanced Warning Sign	YES : NO		45 -1 45 -1	-1
Date Installed : 1/1/1901 203. Type Exp. Dev. : _				245. Girder Depth : -1.00	0
				246. Type of Overlay :	AC Overlay
204. Type of Handrail: Parapet Retrofit	e. Navigation Lights : Working/Not Working :	-		246. Overlay Thickness : 246. Overlay Date :	3.0 10/3/2005
205. Material and Quantity : -1.0	215. Overpass : A - Interstate	-		246. Overlay Date : 246. Overlay Depth Chan	
208. Type of Abutment : Skeleton Type of Foundation : Concrete Piling	221. Substructure Cond. (U/W)	: -		247. Protective Systems :	
209. Type of Pier / Found.: 3 Piers Yes	222. Fill over RCB:	-1		2: _ 4: _	3: _ 5: _
Concrete Piling	223. Appr. Slab/Rdwy Cond.:	Satisfactory		4:	_
210. Foundation Elev1.0 -1.0	225. Paint Type :	Not Applicable		249. Scour Crit. POA exis	ts?: _
9475.0 9377.0 -1.0	Overcoat :	Not Applicable		250. Culvert Headwall Di	st.: -1.0
211. Wear. Surf. Prot. System : None Date Installed : 1/1/1901	226. Date Painted: 227. Paint Coloring:	-1 -1		256. Chan. Profile Up/Do	wn Stream?:
213. Utilities Attached : -1	233. Deck Forming: Conventi			257a. OkiePROS Auto. Tr	uck Routing Yes
-1 -1 -1	238 School Bue Dtor Comment	and Desired Posts		258. Plans w/ found. are i 259. Scour Eval. is in file	
-1 -1 -1	238. School Bus Rte: Current a 240. Appr. Roadway Type: Asp			263. Interchange at Inters	
				264. Interstate Milepoint:	214.71

OKLAHOMA DEPARTMENT OF TRANSPORTATION -

Bridge Inspection Report

NBI No.: 14409 Structure No.: 3625 0698EX Local ID:-1

Suff. Rating: 74.7 ND

11/2/2017 Reported By: GHINES Inspection Date: Inspected With: Gary Richardson -1

Agency :

Structure / Inspection Notes

* THIS BRIDGE CONTROLS THE UNDER CLEARANCES FOR * THIS PAIR OF BRIDGES.

* THIS BRIDGE IS IN THE TONKAWA CITY LIMITS.

* 9/14/2016 - INSPECTION FOLLOWING 5.8 EARTHQUAKE REVEALED NO NEW DAMAGE (G. HINES).

G Hines inspection comments - 11/02/2017

Cavity under the SE abutment & slopewalls has been repaired * PX - Fair side drains - the overlay is restricting the openings * PX - Safety rail should be added below on the bents * Satisfactory asphalt approach roadway * The retro-fit railing has eliminated most of the curb width * PX - There is a pothole that needs filled on the South approach *

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)	5,772	0	0 %	5,200	90 %	572	10 %	0	0 %	0	0 %
205	4	Reinforced Conc Column or Pile Extension	(EA)	9	0	0 %	9	100 %	0	0 %	0	0 %	0	0 %
215	4	Reinforced Conc Abutment	(LF)	90	0	0 %	90	100 %	0	0 %	0	0 %	0	0 %
234	4	Reinforced Conc Cap	(LF)	123	103	84 %	12	10 %	8	7 %	0	0 %	0	0 %
310	4	Elastomeric Bearing	(EA)	5	5	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	4	Reinforced Conc Bridge Railing	(LF)	305	299	98 %	4	1 %	2	1 %	0	0 %	0	0 %
510	4	Wearing Surfaces	(SF)	5,772	4,906	85 %	866	15 %	0	0 %	0	0 %	0	0 %
859	4	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
924	4	Concrete Railing Protective Coating	(SF)	1,753	0	0 %	0	0 %	0	0 %	1,753	100 %	0	0 %
962	4	Superstructure Traffic Impact	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Invoice No.:

Elem.		Element Notes (Include Siz	e and Location of Det	erioration	
	The overlay is in good shape in the wheel lanes - in condition (See element #859).	n 2014 the north 1/2 of the RH lane w	as redone. Some cracking	noted in the RH shoulder are	a. Down-graded due to soffit
	Minor scaling & popouts are present at the bottom in bent #1 at the ground. South abutment piles have		ing noted on the 1st pier in	n bents #1 & #2. One minor d	elamination & crack on the 2nd pier
215	The abutments were cleaned & repaired by State F	orces on 11-2-2017 (photo @ North).			
	Small spalls noted at the SW, SE, & NW corners o East end face of the 2nd cap with some scaling. The				ne NW, SW, & SE corners and the
310	< none >				
331	FX - Superficial defects on most areas. There are t	wo tiny spalls & 4 light cracks noted.			
510	The overlay is in good shape in the wheel lanes - in	n 2014 the north 1/2 of the RH lane w	vas redone. Some minor cr	acking noted in the RH should	der area.
	Lots of light pattern cracking in each span with sor spall on the lower East edge of span #4. Patching d				
		ione at the 5 w seat area. Approxima	101y 50% to 00% of each s	pair has some type of distress	
	The waterproof coating is failing in all areas.	one at the Sw seat area. Approxima	tery 50% to 60% of each s	pair has some type of distress	
		**	-		
924 962	The waterproof coating is failing in all areas.	**	loose areas noted. Not ser	ious at this time.	
924 962 Roady	The waterproof coating is failing in all areas. There is some old & newer damage on the East edge	ge of span #3 soffit (2009 photo). No NBI Information Applicable To T	loose areas noted. Not ser	ious at this time.	2 2-way traffic
924 962 Roady 5. Inv	The waterproof coating is failing in all areas. There is some old & newer damage on the East edg way Name : U.S. 60 UNDER	ge of span #3 soffit (2009 photo). No NBI Information Applicable To T	loose areas noted. Not ser	ious at this time.	
924 962 Roady 5. Inv 10. M	The waterproof coating is failing in all areas. There is some old & newer damage on the East edg way Name : U.S. 60 UNDER ventory Route (Route Under Structure : 2 - 2	ge of span #3 soffit (2009 photo). No NBI Information Applicable To T - 1 - 00060 - 0	loose areas noted. Not ser he Route Under The Str	ious at this time.	2 2-way traffic
924 962 Roady 5. Inv 10. M 12. B	The waterproof coating is failing in all areas. There is some old & newer damage on the East edge way Name : U.S. 60 UNDER ventory Route (Route Under Structure : 2 - 2 lin. Vert. Clr.(ft.): 15.6	ge of span #3 soffit (2009 photo). No NBI Information Applicable To T - 1 - 00060 - 0 28b. Lanes Und.:	loose areas noted. Not ser he Route Under The Str 4	ious at this time. ucture 102. Traffic Dir.: 104. Highway System :	2 2-way traffic 0 Not on NHS
924 962 Roady 5. Inv 10. M 12. Ba 13. Ll	The waterproof coating is failing in all areas. There is some old & newer damage on the East edge way Name : U.S. 60 UNDER ventory Route (Route Under Structure : 2 - 2 lin. Vert. Clr.(ft.): 15.6 ase Hwy Network : On Base Network	No NBI Information Applicable To T - 1 - 00060 - 0 28b. Lanes Und.: 29. ADT :	loose areas noted. Not ser he Route Under The Str 4 1500	ious at this time. acture 102. Traffic Dir.: 104. Highway System : 105. Fed Land Hwy :	2 2-way traffic 0 Not on NHS 0 N/A (NBI) 16
924 962 5. Inv 10. M 12. Ba 13. Ll 19. D	The waterproof coating is failing in all areas. There is some old & newer damage on the East edge way Name : U.S. 60 UNDER ventory Route (Route Under Structure : 2 - 2 lin. Vert. Clr.(ft.): 15.6 ase Hwy Network : On Base Network RS Inv. Rt./ Subroute : 3602 0000 / 01	ge of span #3 soffit (2009 photo). No NBI Information Applicable To T - 1 - 00060 - 0 28b. Lanes Und.: 29. ADT : 32. Appr. Roadway Width (ft.) :	loose areas noted. Not ser The Route Under The Str 4 1500 38.0	ious at this time. ucture 102. Traffic Dir.: 104. Highway System : 105. Fed Land Hwy : 109. Truck ADT% :	2 2-way traffic 0 Not on NHS 0 N/A (NBI) 16