

Sufficiency Rating Results

Print

Structure ID	Inspection Date		Struct Rating	Deck Geom	Under Clrnc	SR Prefix	SR Rating	SD/FO Status	HRRB Status
415700461528004	11/20/2019	Previous Ratings:	7	4	9		85.6		Not Eligible
		Calculated Ratings:	7	4	9		85.6		Not Eligible
415700462101001	11/20/2019	Previous Ratings:	6	N	N	*	99.6		Not Eligible
		Calculated Ratings:	6	N	N	*	99.6		Not Eligible
415700462101023	11/21/2019	Previous Ratings:	7	N	N	*	100.0		Not Eligible
		Calculated Ratings:	7	N	N	*	100.0		Not Eligible
415700462681011	11/22/2019	Previous Ratings:	7	5	6		98.5		Not Eligible
		Calculated Ratings:	7	5	6		98.5		Not Eligible
415700462824005	11/21/2019	Previous Ratings:	8	4	3		83.2	FO	Not Eligible
		Calculated Ratings:	8	4	3		83.2	FO	Not Eligible
415700462824010	11/21/2019	Previous Ratings:	8	4	3		82.0	FO	Not Eligible
		Calculated Ratings:	8	4	3		82.0	FO	Not Eligible
515700460000002	11/20/2019	Previous Ratings:	7	6	N		96.2		Not Eligible
		Calculated Ratings:	7	6	N		96.2		Not Eligible
515700460000003	11/20/2019	Previous Ratings:	7	2	N		85.4	FO	Not Eligible
		Calculated Ratings:	7	2	N		85.4	FO	Not Eligible
515700460000005	11/20/2019	Previous Ratings:	6	7	N		94.4		Not Eligible
		Calculated Ratings:	6	7	N		94.4		Not Eligible
515700460000006	11/22/2019	Previous Ratings:	7	5	N		97.8		Not Eligible
		Calculated Ratings:	7	5	N		97.8		Not Eligible
515700460000007	11/21/2019	Previous Ratings:	7	5	3		81.5	FO	Not Eligible
		Calculated Ratings:	7	5	3		81.5	FO	Not Eligible
515700460000008	11/21/2019	Previous Ratings:	8	4	9		97.6		Not Eligible
		Calculated Ratings:	8	4	9		97.6		Not Eligible
515700460000009	11/22/2019	Previous Ratings:	7	5	N		97.0		Not Eligible
		Calculated Ratings:	7	5	N		97.0		Not Eligible
515700460000010	12/15/2019	Previous Ratings:	6	N	N	*	97.5		Not Eligible
		Calculated Ratings:	6	N	N	*	97.5		Not Eligible
515700460000012	12/8/2019	Previous Ratings:	7	N	N	*	99.8		Not Eligible
		Calculated Ratings:	7	N	N	*	99.8		Not Eligible
515700460000013	11/22/2019	Previous Ratings:	7	N	N	*	99.8		Not Eligible
		Calculated Ratings:	7	N	N	*	99.8		Not Eligible
515700460000014	11/22/2019	Previous Ratings:	7	N	N	*	99.5		Not Eligible
		Calculated Ratings:	7	N	N	*	99.5		Not Eligible
515700460000015	11/21/2019	Previous Ratings:	4	3	N		47.5	SD	Replacement
		Calculated Ratings:	4	3	N		47.5	SD	Replacement
515700460000016	11/21/2019	Previous Ratings:	4	N	N	*	57.2		Not Eligible
		Calculated Ratings:	4	N	N	*	57.2		Not Eligible
515700460000017	11/21/2019	Previous Ratings:	6	N	N	*	92.4		Not Eligible
		Calculated Ratings:	6	N	N	*	92.4		Not Eligible
515700460000018	11/22/2019	Previous Ratings:	7	N	N	*	82.6		Not Eligible
		Calculated Ratings:	7	N	N	*	82.6		Not Eligible
515700460000020	11/22/2019	Previous Ratings:	7	N	N	*	83.2		Not Eligible



Kansas Local Bridge Inspection Form

(8) STRUCTURE NO 515700460000015 (1) STATE 20 Kansas (4) CITY Lenexa (3) COUNTY Johnson
 LPA Bridge ID 15 (5A) ROUTE ON/UNDER Route On Structure HBP FUNDING ELIGIBILITY Rehabilitation

IDENTIFICATION

(5B) ROUTE TYPE 5 City Street ✓
 (5C) SERVICE TYPE 1 Mainline ✓
 (5D) ROUTE NUMBER 00000 (5E) SUFFIX 0 N/A ✓
 (6A) FEATURE INTERSECTED TRIB. TO INDIAN CREEK ✓
 (9) LOCATION BETN HAUSER AND NOLAND RD ✓
 (16) LATITUDE 38 ° 56 ' 31.40 " ✓
 (17) LONGITUDE 94 ° 44 ' 13.08 " ✓
 (2) HIGHWAY AGENCY DISTRICT Topeka ✓
 (98A) BORDER BRIDGE STATE Not Applicable ✓
 (98B) BORDER BRIDGE RESPONSIBILITY ✓
 (99) BORDER BRIDGE STRUCTURE NO. ✓
 (7) (ROUTE NAME) FACILITY CARRIED 103RD. STREET ✓

FUNCTIONAL

(26) FUNCTIONAL CLASSIFICATION 16 Urban Minor Arterial ✓
 (104) NHS DESIGNATION 0 Not on NHS ✓
 (100) STRAHNET DESIGNATION 0 Not a STRAHNET Hwy ✓
 (110) NATIONAL TRUCK NET 0 Not part of natl network ✓
 (12) BASE HIGHWAY NET Not on Base Network ✓
 (13A) LRS INVENTORY ROUTE 00000000 (13B) LRS SUBRTE # 00 ✓
 (11) LRS MILE POINT 0.000 ✓
 (105) FEDERAL LANDS HIGHWAY 0 N/A ✓
 (20) TOLL 3 Rdwy Agreement ✓
 (21) MAINTENANCE RESPONSIBILITY City/Municipal Hwy Agenc ✓
 (22) OWNER City/Municipal Hwy AgencY ✓
 (37) HISTORICAL SIGNIFICANCE Not eligible for NRHP ✓
 (101) PARALLEL STRUCTURE No || bridge exists ✓
 (103) TEMPORARY STRUCTURE - ✓

AGE

(29) AVERAGE DAILY TRAFFIC 8342 ✓
 (109) AVERAGE DAILY TRUCK TRAFFIC 02 % ✓
 (30) YEAR OF ADT 2009 ✓
 (27) YEAR BUILT 1975 ✓
 (106) YEAR REHABILITATED ✓
 (102) ONE WAY OR TWO WAY TRAFFIC 2-way traffic ✓
 (42A) SERVICE ON THE BRIDGE 5 Highway-pedestrian ✓
 (42B) SERVICE UNDER THE BRIDGE 5 Waterway ✓
 (28A) LANES ON ROUTE 2 ✓
 (28B) LANES UNDER ROUTE 0 ✓
 (19) BYPASS DETOUR LENGTH 1.2 MI ✓

POSTINGS

(41) POSTING STATUS A Open, no restriction ✓
 JUSTIFICATION N/A ✓
 POSTING TYPE N/A ✓
 POSTING STATUS N/A ✓
 R12-1 Grs Wt N/A ✓
 R12-5 Sgl Unit N/A 2-unit N/A 3-unit N/A ✓
 EMERGENCY VEHICLES Sgl Axle N/A Tdm Axle N/A Grs Wt N/A ✓

45° F
Overcast

RATING

(66) INVENTORY LOAD RATING 32 ton ✓
 (64) MAXIMUM LOAD RATING 54 ton ✓
 (31) DESIGN LOAD 4 M 18 (H 20) ✓
 (65) INVENTORY LOAD RATING METHOD 1 LF Load Factor ✓
 (63) OPERATING (MAX) LOAD RATING METHOD 1 LF Load Factor ✓
 (70) POSTING REQUIREMENTS 5 At/Above Legal Loads ✓
 (41) POSTING STATUS A Open, no restriction ✓

SCHEDULE

(90) ROUTINE INSPECTION DATE 12/08/2017 11/21/19 ✓
 (91) ROUTINE INSPECTION FREQUENCY 24 MO ✓
 (92) CRITICAL FEATURE INSPECTION: (93) INSP DATE
 A) FRACTURE CRITICAL N MO A) ✓
 B) UNDERWATER INSP N MO B) ✓
 C) SPECIAL INSP N MO C) ✓



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(1) STATE 20 Kansas

(4) CITY Lenexa

(3) COUNTY Johnson

LPA Bridge ID 15

(5A) ROUTE ON/UNDER

Route On Structure

HBP FUNDING ELIGIBILITY

Rehabilitation

PROPOSED IMPROVEMENTS

(75A) TYPE OF WORK	Not Applicable	✓	_____
(75B) WORK BY		✓	_____
(76) IMPROVEMENT LENGTH		✓	_____
(94) BRIDGE COST		✓	_____
(95) ROADWAY COST		✓	_____
(96) TOTAL COST		✓	_____
(97) COST ESTIMATE YEAR		✓	_____
(114) FUTURE ADT	8500	✓	_____
(115) FUTURE ADT YEAR	2037	✓	2041

GEOMETRIC DATA

(112) NBIS BRIDGE DEFINITION	Long Enough	✓	_____
(49) STRUCTURE LENGTH	37.1 FT	✓	_____
(48) MAXIMUM SPAN LENGTH	12.1 FT	✓	_____
(32) ROUTE WIDTH	26.8 FT	✓	_____
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB	30.0 FT	✓	_____
(52) DECK WIDTH OUT TO OUT	38.0 FT	✓	_____
(50A) LEFT CURB OR SIDEWAY WIDTH	5.5 FT	✓	_____
(50B) RIGHT CURB OR SIDEWAY WIDTH	0.0 FT	✓	_____
(34) SKEW		✓	_____
(47) ROUTE HORIZONTAL CLEARANCE	26.80 FT	✓	_____
(10) MIN VERT CLEARANCE OVER ROUTE	99.99 FT	✓	_____
(53) MIN VERT CLEARANCE OVER BRIDGE	99.99 FT	✓	_____
(33) MEDIAN	No Median	✓	_____
(35) STRUCTURE FLARED	No flare	✓	_____
(54A) MIN VERT UNDERCLEARANCE REF	Feature not hwy or RR	✓	_____
(54B) MIN VERT UNDERCLEARANCE	0.00 FT	✓	_____
(55A) MIN LATERAL UNDERCLEAR REF RT	Feature not hwy or RR	✓	_____
(55B) MIN LATERAL UNDERCLEAR RT	0.0 FT	✓	_____
(56) MIN LATERAL UNDERCLEARANCE LEFT	0.0 FT	✓	_____

STRUCTURE TYPE

(45) NUMBER OF MAIN SPANS	3	✓	_____
(43B) MAIN SPAN DESIGN TYPE	Culvert	✓	_____
(43A) MAIN SPAN MATERIAL TYPE	Concrete	✓	_____
KDOT Type Code - Main:	1014	✓	_____
(46) NUMBER OF APPROACH SPANS	0	✓	_____
(44B) APPROACH SPAN DESIGN TYPE		✓	_____
(44A) APPROACH SPAN MATERIAL TYPE		✓	_____
KDOT Type Code - Appr:	-1	✓	_____
(107) DECK TYPE	None/UNK/NULL	✓	_____
(108A) DECK SURFACE	N N/A (NBI)	✓	_____
(108B) MEMBRANE	N N/A (no deck (NBI))	✓	_____
(108C) DECK PROTECTION	N N/A (no deck (NBI))	✓	_____

CONDITION

(58) DECK CONDITION RATING	N	✓	_____
(59) SUPERSTRUCTURE CONDITION	N	✓	_____
(60) SUBSTRUCTURE CONDITION	N	✓	_____
(62) CULVERT CONDITION	6	✓	4 for >40% ceiling deterioration
(61) STREAM STABILITY / CHANNEL	7	✓	_____

APPRAISAL

(72) BRIDGE ROUTE ALIGNMENT	8	✓	_____
(71) WATERWAY ADEQUACY	8	✓	_____
(36A) BRIDGE RAILS	0	✓	_____
(36B) RAIL TRANSITIONS	0	✓	_____
(36C) APPROACH GUARDRAILS	0	✓	_____
(36D) APPROACH GUARDRAIL ENDS	0	✓	_____
(113) SCOUR VULNERABILITY	8	✓	_____
(67) STRUCTURAL EVALUATION	6		_____
(68) DECK WIDTH APPRAISAL	3		_____
(69) HORIZ. UNDERCLEARANCE APPRAISAL	N		_____
SUFFICIENCY RATING	75.20		
DEFICIENCY STATUS			



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(1) STATE 20 Kansas

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LPA Bridge ID 15

(5A) ROUTE ON/UNDER

Route On Structure

HBP FUNDING ELIGIBILITY

Rehabilitation

NOTES

Deck:

N/A

Superstructure:

N/A

Substructure:

N/A

Waterway:

Good alignment.

Stable banks with lots of small trees.

1' vertical toewall exposure at upstream end.

1.25' vertical toewall exposure at downstream end with rip rap protecting further degradation.

Culvert:

Hairline to 0.5mm vertical cracks typical in walls.

Spalling under north headwall 2.5' wide by full length with exposed rebar and minor section loss has been coated with an epoxy.

Moderate scaling in bottom slab.

Widespread delam and spalling in bottom of top slab: 23'x12' in east cell, 24'x12' in center cell, & a 10'x12' & 6'x12' in west cell.

Misc:

Minor spalls in the asphalt wearing surface.

Maint:

-Repair delam and spalling in bottom of top slab in each cell (~850 sq. ft.)

Andy Shearrer

Print Name

Inspuskey: 5888

Team Leader's Signature

11/21/19

Date



Approach Roadway - Looking East



Elevation - Looking North



Upstream Channel - Looking North



Downstream Channel - Looking South



Typical View Through Cell - Looking South



1 ft. of Scour Full Width of Upstream Toewall - Looking Southwest



Typical Ceiling Deterioration in East Cell - Looking North



2.5ft. Spall and Exposed Rebar, South End of All Cells - Looking North



Polyer Overlay at South End of All Cells - Looking North



3 ft. by 8 ft. Spall with Exposed Rebar in Ceiling of Center Cell - Looking North



Typical Sidewalk Repair on North Sidewalk - Looking East



10246 HAUSER ST
10254 HAUSER ST
10262 HAUSER ST
10270 HAUSER ST
10278 HAUSER ST
10280 HAUSER ST

10231 HAUSER ST
10239 HAUSER ST
10241 HAUSER ST
10243 HAUSER ST
10245 HAUSER ST
10247 HAUSER ST
10261 HAUSER ST
10249 HAUSER ST
10265 HAUSER ST
10267 HAUSER ST

10220 NOLAND RD
10224 NOLAND RD
0 NS NT
0 NS NT
0 NS NT
0 NS NT
0 NS NT
0 NS NT
13120 W 103RD ST

10226 NOLAND RD
10228 NOLAND RD
0 NS NT
0 NS NT
0 NS NT
0 NS NT
0 NS NT
0 NS NT

10234 NOLAND RD
10236 NOLAND RD
10238 NOLAND RD
10240 NOLAND RD
10242 NOLAND RD

10235 NOLAND RD
10237 NOLAND RD
10239 NOLAND RD
10241 NOLAND RD
10243 NOLAND RD
10247 NOLAND RD

10212 GILLETTE ST
10219 GILLETTE ST
10220 GILLETTE ST
10222 GILLETTE ST
10224 GILLETTE ST
10226 GILLETTE ST
10227 GILLETTE ST
10229 GILLETTE ST
10230 GILLETTE ST
10231 GILLETTE ST
10232 GILLETTE ST
10236 GILLETTE ST

10212 BRADSHAW ST
10216 BRADSHAW ST
10220 BRADSHAW ST
10222 BRADSHAW ST
10224 BRADSHAW ST
10228 BRADSHAW ST
10232 BRADSHAW ST

13310 W 103RD TER
13311 W 103RD TER
13315 W 103RD TER

13201 W 103RD ST
10302 HAUSER ST
10306 HAUSER ST
10310 HAUSER ST
10314 HAUSER ST
13304 W 104TH ST
13300 W 104TH ST

10303 HAUSER ST
10307 HAUSER ST
10311 HAUSER ST
10308 NOLAND RD
10315 HAUSER ST
10316 NOLAND RD
10319 HAUSER ST

0 NS NT
10301 NOLAND RD
10324 NOLAND RD

13133 W 103RD ST
13123 W 103RD ST
13113 W 103RD ST

13103 W 103RD ST
13001 W 103RD ST
12921 W 103RD ST
12911 W 103RD ST

12800 W 103RD TER
12901 W 103RD ST
12801 W 103RD TER

12801 W 103RD TER