

Structure Inventory & Appraisal (English)

(8) STRUCTURE NO **530400870WDCW10** (1) STATE **20 Kansas** (4) CITY **Wichita** (3) COUNTY **Sedgwick**
 LPA Bridge ID **184** LPA Bridge Name _____ (5A) ROUTE ON/UNDER **Route On Structure**
HBP FUNDING ELIGIBILITY **Not Eligible**

IDENTIFICATION			
(5B) ROUTE TYPE			5 City Street
(5C) SERVICE TYPE			1 Mainline
(5D) ROUTE NUMBER	00000	(5E) SUFFIX	0 N/A (NBI)
(6A) FEATURE INTERSECTED			CHISHOLM CREEK
(9) LOCATION			MOSLEY AT 20TH ST NORTH
(16) LATITUDE			37 ° 43 ' 16.38 "
(17) LONGITUDE			97 ° 19 ' 39.71 "
(2) HIGHWAY AGENCY DISTRICT			District 05 - Hutchinson
(98A) BORDER BRIDGE STATE			Not Applicable (P)
(98B) BORDER BRIDGE RESPONSIBILITY			%
(99) BORDER BRIDGE STRUCTURE NO.			-
(7) (ROUTE NAME) FACILITY CARRIED			MOSLEY

FUNCTIONAL DESCRIPTION			
(26) FUNCTIONAL CLASSIFICATION			17 Urban Collector
(104) NHS DESIGNATION			0 Not on NHS
(100) STRAHNET DESIGNATION			0 Not a STRAHNET hwy
(110) NATIONAL TRUCK NET			0 Not part of natl netwo
(12) BASE HIGHWAY NET			Not on Base Network
(13A) LRS INVENTORY ROUTE		(13B) LRS SUBRTE #	
(11) LRS MILE POINT			0.000 MI
(105) FEDERAL LANDS HIGHWAY			0 N/A (NBI)
(20) TOLL			3 On free road
(21) MAINTAINENANCE RESPONSIBILITY			04 Cty/Muncpl Hwy Agency
(22) OWNER			04 Cty/Muncpl Hwy Agency
(37) HISTORICAL SIGNIFICANCE			5 Not eligible for NRHP
(101) PARALLEL STRUCTURE			No bridge exists
(103) TEMPORARY STRUCTURE			Unknown (NBI)

AGE AND SERVICE			
(29) AVERAGE DAILY TRAFFIC			4,000
(109) AVERAGE DAILY TRUCK TRAFFIC			8 %
(30) YEAR OF ADT			2006
(27) YEAR BUILT			1964
(106) YEAR REHABILITATED			
(102) ONE WAY OR TWO WAY TRAFFIC			2 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			1.9 MI

POSTING			
(41) POSTING STATUS			A Open, no restriction
JUSTIFICATION			N/A
TYPE			N/A
STATUS			N/A
R12-1		Grs Wt:	N/A
R12-5	Sgl Unit: N/A	2-Unit: N/A	3-Unit: N/A
EMERGENCY VEH	Sgl Axle: N/A	Tdm Axle: N/A	EV Gross Wt: N/A

LOAD RATING			
(66) INVENTORY LOAD (tons) or RATING FACTOR (RF)			43.0 tons
(64) MAXIMUM LOAD (tons) or RATING FACTOR (RF)			72.0 tons
(31) DESIGN LOAD			4 M 18 (H 20)
(65) INVENTORY LOAD RATING METHOD			1 LF Load Factor (tons)
(63) OPERATING (MAX) LOAD RATING METHOD			1 LF Load Factor (tons)
(70) POSTING REQUIREMENTS			5 At/Above Legal Loads

SCHEDULE			
(90) ROUTINE INSPECTION DATE			12/20/2019
(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)

GEOMETRIC DATA			
(112) NBIS BRIDGE DEFINITION			Long Enough
(49) STRUCTURE LENGTH			54.0 FT
(48) MAXIMUM SPAN LENGTH			24.9 FT
(32) ROUTE WIDTH			42.8 FT
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB			44.0 FT
(52) DECK WIDTH OUT TO OUT			56.8 FT
(50A) LEFT CURB OR SIDEWALK WIDTH			5.0 FT
(50B) RIGHT CURB OR SIDEWALK WIDTH			5.0 FT
(34) SKEW			0.0 °
(47) ROUTE HORIZONTAL CLEARANCE			42.8 FT
(10) MIN VERT CLEARANCE OVER ROUTE			99.99 FT
(53) MIN VERT CLEARANCE OVER BRIDGE			99.99 FT
(33) MEDIAN			0 No median
(35) STRUCTURE FLARED			0 No flare
(54A) MIN VERT UNDERCLEARANCE REF			N Feature not hwy or RR
(54B) MIN VERT UNDERCLEARANCE			0.00 FT
(55A) MIN LATERAL UNDERCLEAR REF RT			N Feature not hwy or RR
(55B) MIN LATERAL UNDERCLEAR RT			0.0 FT
(56) MIN LATERAL UNDERCLEARANCE LEFT			0.0 FT

STRUCTURE AND MATERIALS			
(45) NUMBER OF MAIN SPANS			2
(43B) MAIN SPAN DESIGN TYPE			04-Tee Beam
(43A) MAIN SPAN MATERIAL TYPE			2 Concrete Continuous
KDOT MAIN SPAN MATERIAL TYPE:			2 - 04 : RDGC
(107) DECK TYPE			1 Concrete-Cast-in-Place
(108A) DECK SURFACE			2 Integral Concrete
(108B) MEMBRANE			0 None
(108C) DECK PROTECTION			None
(46) NUMBER OF APPROACH SPANS			0
(44B) APPROACH SPAN DESIGN TYPE			Unknown (P)
(44A) APPROACH SPAN MATERIAL TYPE			Unknown (NBI)
KDOT APPROACH SPAN MATERIAL TYPE:			

CONDITION			
(58) DECK CONDITION RATING			6
(59) SUPERSTRUCTURE CONDITION			5
(60) SUBSTRUCTURE CONDITION			6
(62) CULVERT CONDITION			N
(61) STREAM STABILITY / CHANNEL			5
NBI BRIDGE CONDITION (G/F/P)			Fair

APPRAISAL			
DEFICIENCY STATUS			Not Deficient
(72) BRIDGE ROUTE ALIGNMENT			8
(71) WATERWAY ADEQUACY			8
(113) SCOUR VULNERABILITY			4
(67) STRUCTURAL EVALUATION			5
(68) DECK WIDTH APPRAISAL			7
(69) HORIZ. UNDERCLEARANCE APPRAISAL			N
SUFFICIENCY RATING			85.30
(36A) BRIDGE RAILS			0
(36B) RAIL TRANSITIONS			0
(36C) APPROACH GUARDRAILS			0
(36D) APPROACH GUARDRAIL ENDS			0

NAVIGATION DATA			
(38) NAVIGABLE WATERWAY			Permit Not Required
(39) NAVIGATION VERTICAL CLEARANCE			FT
(40) NAVIGATION HORIZONTAL CLEARANCE			FT
(111) SUBSTRUCTURE NAV PROTECTION			1 Not Required
(116) MIN NAV VERT CLEAR VERT LIFT BRIDGE			FT

PROPOSED IMPROVEMENTS			
(75A) TYPE OF WORK			Not Applicable (P)
(75B) WORK BY			Unknown (NBI)
(76) IMPROVEMENT LENGTH			FT
(94) BRIDGE COST			
(95) ROADWAY COST			
(96) TOTAL COST			
(97) COST ESTIMATE YEAR			
(114) FUTURE ADT			5,000
(115) FUTURE ADT YEAR			2039

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LPA Bridge Name

(4) CITY Wichita

(3) COUNTY Sedgwick

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HBP FUNDING ELIGIBILITY Not Eligible

NOTES

STRUCTURE —
NOTES

INSPECTION
NOTES

\\Deck:\\DECK TOP HAS CRACKS THAT HAVE BEEN FILLED AND NUMEROUS PREVIOUS REPAIRS, SOME SPALLING OUT. EAST SIDEWALK HAS AN AREA OF PREVIOUS REPAIR, REPAIR HOLDING. SOUTHEAST CORNER OF HANDRAILING IS SPALLED WITH EXP REBAR, SEE PHOTO. BOTTOM OF DECK HAS SPALLS WITH EXP REBAR AT NORTH ABUT AND AN AREA OF REPAIR AT SOUTH ABUTMENT. 1 ISOLATED SPALL AT MIDPOINT, WEST END SPALL WITH EXP REBAR, APPROX 3 INCHES DEEP. THERE IS A LARGE UTILITY ATTACHMENT HANGING UNDER WEST SIDE AND MULTIPLE UTILITIES TUCKED UNDER EAST SIDE.

\\Superstructure:\\ALL BEAMS HAVE VARIOUS STAGES OF SPALLING AT ABUTMENT BEARINGS, NO EXP REBAR OBSERVED. ALL BEAMS HAVE VERTICAL OR DIAG CRACKS WITHIN 4 FT OF ABUTMENT FACES. BEAMS OVER PIER LOOK GOOD WITH FEW ISOLATED VERTICAL CRACKS. STEEL BEARINGS HAVE SURFACE RUST WITH SOME AREAS FLAKING.

\\Substructure:\\ABUTMENTS HAVE MINOR SCALING, AND VERTICAL CRACKS. PIER CAP HAS NO VISIBLE DEFECTS. COLUMNS LOOK GOOD WITH ISOLATED HL CRACKS ONLY. \\Waterway:\\CHANNEL IS STEEP, GRASS LINED. HEAVY TRASH UNDER NORTH SPAN.

ROADWAY
NOTES

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\\Culvert:\\

POSTING
NOTES