HistoricBridges.org - National Bridge Inventory Data Sheet

The National Bridge Inventory contains data submitted by state transportion departments to the Federal Highway Administration in coded format.

Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information													39-06-09.35 =	094-36-55.84
Kansas [20] Wyandotte County [209]				Kansas City [36000] CENTRAL AVE VIADUCT-LOWER					39.102597	= -94.615511				
41430105257449A Highway agency dis		y district: 1		Owner County Highway Agency [02]			N	Maintenance	e responsibility	County Highway A	gency [02]			
Route 2574 CENTRAL AVE					Toll On fre	e road [3]		Featu	ures interse	cted KANSAS	RIVER			
Design - steel [3] main Truss - D	eck [09]		Design - approach		or timber [er/Multi-bea	7] am or girder [02]	Kilometer Year built Skew ang	1918 le 0		Structure F			
Inventory Route, To	m = 75 tal Hori		arance		.0 ft		= 250.0 ft rb or sidewalk wi		Ü	o-out 7	7.5 m = 24.6	oft Bridge ro	ole for the NRHP. [3] padway width, curb-to-cidewalk width - right	0 m = 0.0 ft
Deck structure type Type of wearing sur Deck protection			Op	en Grating [3]									
Type of membrane/	wearing	surface												
Weight Limits Bypass, detour len 0.3 km = 0.2 mi			determir	ne inventory ne operating Equal to or a	rating	Loa	d Factor(LF) [1] d Factor(LF) [1] 5]				ory rating ting rating n Load M	14.7 metric to 24.5 metric to 18 / H 20 [4]		

Functional Details		
Average Daily Traffic 500 Average daily to	ruck traffi 80 % Year 1991 Future average daily traffic	550 Year 2030
Road classification Minor Arterial (Urban) [16]	Lanes on structure 2	Approach roadway width 7.3 m = 24.0 ft
Type of service on bridge Highway [1]	Direction of traffic 2 - way traffic [2]	Bridge median
Parallel structure designation No parallel structure	e exists. [N]	
Type of service under bridge Waterway [5]	Lanes under structure 0 Navigation control	Navigation control on waterway (bridge permit required). [1]
Navigation vertical clearanc 11.2 m = 36.7 ft	Navigation horizontal clearance 76.2 m = 2	250.0 ft
Minimum navigation vertical clearance, vertical lift bri	dge Minimum vertical clea	earance over bridge roadway 5.49 m = 18.0 ft
Minimum lateral underclearance reference feature F	eature not a highway or railroad [N]	
Minimum lateral underclearance on right 0 = N/A	Minimum lateral underc	clearance on left 0 = N/A
Minimum Vertical Underclearance 0 = N/A	Minimum vertical underclearance reference for	feature Feature not a highway or railroad [N]
Appraisal ratings - underclearances N/A [N]		
Repair and Replacement Plans		
Type of work to be performed	Work done by Work to be done by contract [1]	
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost 60000 Roadway in	improvement cost 1000
4	Length of structure improvement 228.6 m = 750.0 ft	Total project cost 70000
	Year of improvement cost estimate 2009	
	Border bridge - state	Border bridge - percent responsibility of other state
	Border bridge - structure number	

Inspection and Sufficient	iency										
Structure status Po	osted for loa	ad [P]			ppraisal ratings - tructural	Meets minimum tolerable limits to be left in place as is [4]					
Condition ratings - supe	erstructure	Fair [5]			ppraisal ratings - badway alignment	Basically	ve action [3]				
Condition ratings - subs	ndition ratings - substructure Fair [5]			Appraisal ratings -	Meets mi	nimum tolerable limit	s [4]				
Condition ratings - decl	Condition ratings - deck Fair [deck geometry						
Scour		Brid	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]								
Channel and channel protection		Ban	nk is beginning or stream bed	to slump. River I movement evid	r control devices and ent. Debris is restrict	embankmer ting the chan	nt protection have wid nel slightly. [6]	lespread minor damage	e. There is		
Appraisal ratings - water adequacy		y Bet	iter than prese	ent minimum crite	eria [7]		Status evaluation	Functionally obsolete			
Pier or abutment protect	Pier or abutment protection		vigation proted	ction not required	d [1]		Sufficiency rating	43.1			
Culverts Not applicat	ıble. Used il	f structure	is not a culve	rt. [N]							
Traffic safety features	Traffic safety features - railings										
,	Traffic safety features - transitions										
Traffic safety features - approach guardra											
Traffic safety features			ends								
Inspection date June 2013 [0613] Designated insp			gnated inspection	n frequency 24	N	Months					
Underwater inspection Not needed [N]				Underwater inspec							
Fracture critical inspection Every			years [Y24]		Fracture critical ins						
Other special inspection Not no			d [N]		Other special inspe	ection date					

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Basic Info	ormation													39-06-08.83 =	094-37-12.16
Kansas [20] Wyandotte County [209]			K	ansas City	/ [36000]	CENTRAL AVE VIADUCT-UPPER					39.102453	= -94.620044			
414301052574049 Highway agency		agency	district: 1	(Owner Co	ner County Highway Agency [02] Maintenance responsibility				County Highway A	gency [02]				
Route 2574 CENTRAL AVENUE			E		Toll On fre	e road [3]		Featur	es intersec	cted KANSAS	RIVER, R.R. YARD				
Design - Steel [3] main			Design - approach		ntinuous [4	-	Kilometer Year built) km = (constructed 20	10			
3 Truss - Deck [09]			49	Girder ar	nd floorbea	nm system [03]	Skew ang	le 0	5	Structure F	lared				
									Historical	significan	ce	Historica	al significance is	s not determinable at th	nis time. [4]
Total lengt	th 1051.9	m = 34	51.3 ft	Leng	th of maxim	um span	76.2 m = 2	250.0 ft	Deck wid	dth, out-to	o-out 16	m = 52.5 f	ft Bridge ro	adway width, curb-to-c	urb 14.6 m = 47.9 ft
Inventory I	Route, Tota	l Horizo	ontal Clea	arance	7.3 m = 24	.0 ft	Curb	or sidewalk wi	dth - left	0 m = 0	.0 ft		Curb or si	dewalk width - right	0 m = 0.0 ft
Deck struc	cture type			Co	ncrete Cast-	in-Place [[1]								
Type of we	earing surfa	ce													
Deck prote	ection			Un	known [8]										
Type of me	embrane/we	earing s	surface	Un	known [8]										
Weight Li	mits														
31	detour length	n Me	ethod to d	determin	ne inventory	rating	Load F	actor(LF) [1]			nventor	ry rating	22.9 metric tor	n = 25.2 tons	
0.3 km = 0	0.2 mi	Me	ethod to d	determir	ne operating	rating	Load F	actor(LF) [1]			Operatir	ng rating	37.9 metric tor	n = 41.7 tons	
		Br	idge post	ting E	Equal to or a	bove lega	Il loads [5]				Design I	Load M 1	8 / H 20 [4]		

Functional Details				
Average Daily Traffic 3880 Average daily tr	uck traffi 10 % Year 1998 Fut	ure average daily traffic	5000 Year 203	0
Road classification Minor Arterial (Urban) [16]	Lanes on structure 4		Approach roadway wid	15.2 m = 49.9 ft
Type of service on bridge Highway [1]	Direction of traffic 2 - way tra	affic [2]	Bridge median	Closed median with non-mountable barr
Parallel structure designation No parallel structure	e exists. [N]		,	
Type of service under bridge Highway-waterway-rai	Iroad [8] Lanes under structure 2	Navigation control	Navigation control on wate	rway (bridge permit required). [1]
Navigation vertical clearanc 11.2 m = 36.7 ft	Navigation horizonta	al clearance 76.2 m = 250.	0 ft	
Minimum navigation vertical clearance, vertical lift bri	dge	Minimum vertical clearar	nce over bridge roadway	99.99 m = 328.1 ft
Minimum lateral underclearance reference feature H	ighway beneath structure [H]			
Minimum lateral underclearance on right 2.2 m = 7.2	ft	Minimum lateral underclear	cance on left $2.2 \text{ m} = 7.2 \text{ ft}$	
Minimum Vertical Underclearance 6.86 m = 22.5 ft	Minimum vertical und	erclearance reference featu	Ire Highway beneath stru	cture [H]
Appraisal ratings - underclearances Meets minimum	tolerable limits to be left in place as is [4]			
Repair and Replacement Plans				
Type of work to be performed	Work done by			
	Bridge improvement cost	Roadway impr	ovement cost	
	Length of structure improvement	Tot	al project cost	
	Year of improvement cost estimate			
	Border bridge - state	Bord	er bridge - percent respon	sibility of other state
	Border bridge - structure number			

Inspection and Sufficiency									
Structure status Open, no i	estriction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]						
Condition ratings - superstructu	re Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]						
Condition ratings - substructure	Fair [5]	Appraisal ratings -	Basically intolerable requiring high priority of replacement [2]						
Condition ratings - deck	Good [7]	deck geometry							
Scour	Bridge foundations	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]							
Channel and channel protection	Bank protection is channel. [5]	being eroded. River control devices	nd/or embankment have major damage. Trees and rush restri	ct the					
Appraisal ratings - water adequ	Better than presen	nt minimum criteria [7]	Status evaluation						
Pier or abutment protection	Navigation protect	tion not required [1]	Sufficiency rating 57.4						
Culverts Not applicable. Use	d if structure is not a culvert	i. [N]							
Traffic safety features - railings	Ir	pected feature meets currently accep	able standards. [1]						
Traffic safety features - transiti	ons	ot applicable or a safety feature is no	required. [N]						
Traffic safety features - approa	ch guardrail N	ot applicable or a safety feature is no	required. [N]						
Traffic safety features - approa	ch guardrail ends N	ot applicable or a safety feature is no	plicable or a safety feature is not required. [N]						
Inspection date	2013 [1213] Desig	nated inspection frequency 24	Months						
Underwater inspection	Unknown [Y48]	Underwater inspec	on date						
Fracture critical inspection	Every two years [Y24]	Fracture critical ins	ection date April 2013 [0413]						
Other special inspection	Not needed [N]	Other special inspe	tion date						