HistoricBridges.org - National Bridge Inventory Data Sheet

2019 Inventory

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 Inf	ormation										40-25-38 70 -	079-57-12 10
Pennsylvania [42]		Allegheny County [003]			Pittsburgh [61000] @ INT W/ FR/		RAZIER ST	AZIER STREET		40.427417	= -79.953361	
1157		Highway agency district: 11			Owner State Highway Agency [01]				Maintenance	eresponsibility	State Highway Ag	ency [01]
Route 376 PARKWAY EAST(1376)			Г(ІЗ76)		Toll On fre	e road [3]	Fe	Features intersected CSX RR,SWINEBURN,FRAZIER				
Design - main 4	Steel contir Truss - Dec	nuous [4] :k [09]	Design - approac 2	Girder a] and floorbeam	n system [03]	Kilometerpoin Year built Skew angle Historical sig	nt 383 1951 99 nificance	1.8 km = 2375 Year re Structure F Bridge i	7 mi constructed 198 lared s eligible for the f	1	
Total leng	jth 309.4 m	ı = 1015.1 ft	Length of max	imum span	80.5 m = 26	54.1 ft	Deck width	, out-to-ou	t 29.1 m = 95.	5 ft Bridge road	dway width, curb-to-o	28 m = 91.9 ft
Inventory	Route, Total	Horizontal Clea	arance 14.3 m =	46.9 ft	Curb o	Curb or sidewalk width - left 0.2 m = 0.7 ft Curb or sidew				ewalk width - right	0.2 m = 0.7 ft	
Deck stru	cture type		Concrete Ca	st-in-Place	[1]							
Type of w	earing surface	се	Latex Concr	ete or simil	ar additive [3]]						
Deck prot	ection											
Type of m	nembrane/we	earing surface										
Weight L	imits											
Bypass,	detour length	n Method to	determine invento	ry rating	Allowab	le Stress(AS)	[2]	Inve	ntory rating	21.8 metric ton	= 24.0 tons	
0.8 km = 0.5 mi Method to determine operating rating			ng rating	Allowable Stress(AS) [2]			Ope	Operating rating 39 metric ton = 42.9 tons				
Bridge posting 00.1 - 09.9 % below					[4]			Des	ign Load MS	5 18 / HS 20 [5]		

Functional Details					
Average Daily Traffic 94777 Average daily tru	uck traffi 6 % Year 2018	Future average daily traffic	68855 Yea	r 2032	
Road classification Principal Arterial - Interstate (Ur	29.3 m = 96.1 ft				
Type of service on bridge Highway [1]	Direction of traffic 2 - V	way traffic [2]	Bridge	median Close	ed median with non-mountable barr
Parallel structure designation No parallel structure	e exists. [N]				
Type of service under bridge Highway-railroad [4]	Lanes under structure 8	Navigation control	Not applicable, no w	vaterway. [N]	
Navigation vertical clearanc 0 = N/A	Navigation ho	rizontal clearance 0 = N/A			
Minimum navigation vertical clearance, vertical lift brid	lge 0 m = 0.0 ft	Minimum vertical clear	rance over bridge road	dway 99.99	m = 328.1 ft
Minimum lateral underclearance reference feature Hi	ghway beneath structure [H]				
Minimum lateral underclearance on right 0.7 m = 2.3	ft	Minimum lateral undercle	earance on left 0 = N/A	4	
Minimum Vertical Underclearance 4.21 m = 13.8 ft	Minimum vertic	al underclearance reference fe	ature Highway benea	ath structure [H	1]
Appraisal ratings - underclearances Basically intolera	able requiring high priority of corrrectiv	e action [3]			
Repair and Replacement Plans					
Type of work to be performed	Work done by Work to be done by	owner's forces [2]			
Bridge rehabilitation because of general structure	Bridge improvement cost 24700	00 Roadway im	nprovement cost	728000	
deterioration of madequate strength. [55]	Length of structure improvement	309 m = 1013.8 ft	Total project cost	3336000	
	Year of improvement cost estimate				
	Border bridge - state	Bo	order bridge - percent	responsibility of	of other state
	Border bridge - structure number				

Inspection and Sufficiency									
Structure status Open, no res	triction [A]	Appraisal ratings structural	s - Somewh is [5]	Somewhat better than minimum adequacy to tolerate being left in place as is [5]					
Condition ratings - superstructure Fair [5]		Appraisal ratings roadway alignme	s - Equal to	Equal to present desirable criteria [8]					
Condition ratings - substructure	Fair [5]	Appraisal rating	_{JS -} Superior	Superior to present desirable criteria [9]					
Condition ratings - deck	ondition ratings - deck Fair [5]								
Scour	Bridge not over	Bridge not over waterway. [N]							
Channel and channel protection	Not applicable.	[N]							
Appraisal ratings - water adequac	y N/A [N]			Status evaluation	Functionally obsolete [2]				
Diar or obutmont protoction									
				Sufficiency rating	52.8				
Culverts Not applicable. Used i	f structure is not a culv	ert. [N]							
Traffic safety features - railings									
Traffic safety features - transition	S	Inpected feature meets currently	y acceptable stand	lards. [1]					
Traffic safety features - approach	Inpected feature meets currently	ture meets currently acceptable standards. [1]							
Traffic safety features - approach	Inpected feature meets currently	y acceptable stand	lards. [1]						
Inspection date August 2017	signated inspection frequency	24	Months						
Underwater inspection	Not needed [N]	Underwater	inspection date						
Fracture critical inspection	Every two years [Y24]	Fracture crit	tical inspection dat	e August 2017 [0	817]				
Other special inspection	Not needed [N]	Other specia	al inspection date						

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2014 Inventory

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Basic Inf	formation													10 25 20 70 -	070 57 12 11
Pennsylvania [42]		Allegheny County [003]		Pitts	Pittsburgh [61000] FRAZIER STREE		STREET	ET				40-25-38.70 =	= -79.953364		
1157		Highway agency district: 11			Ow	Owner State Highway Agency [01]				Maintenance responsibility State			e Highway Age	ncy [01]	
Route 376 East [2] PARKWAY EAST SH				H		Toll On fre	e road [3]		Features intersected CSX RR,SWINEBURN,FRAZIER						
Design - main 4	Steel contin Truss - Dec	nuous [4] ck [09]		Design - approach 2	Steel [3] Girder and f	floorbea	m system [03]	Kilometerp Year built Skew angle Historical s	oint 3 1951 e 99 significanc	833.6 km = Ye Struct e Bri	2376.8 ear reco ture Fla idge is i	mi nstructed 198 red	31 the NR	HP. [5]	
Total lenç	gth 309.4 m	n = 1015.1 ft	Length	h of maximu	m span 80).5 m = 2	:64.1 ft	Deck wid	th, out-to-	out 29.1 m	= 95.5	ft Bridge roa	adway v	vidth, curb-to-cu	urb 28 m = 91.9 ft
Inventory	Route, Tota	I Horizontal Cle	arance	14.3 m = 46	.9 ft	Curb	or sidewalk wi	dth - left	0.2 m = 0).7 ft		Curb or sid	lewalk \	width - right	0.2 m = 0.7 ft
Deck stru	ucture type		Con	crete Cast-i	n-Place [1]										
Type of v	vearing surfa	се	Late	ex Concrete	or similar a	dditive [3]								
Deck pro	tection														
Type of n	nembrane/we	earing surface													
Weight L	imits														
Bypass, detour length Method to determine inventory rating			ating	Load F	actor(LF) [1]		Ir	ventory rati	ng 2	21.8 metric ton	= 24.0	tons			
0.8 km =	= 0.5 mi	Method to	determine	e operating i	ating	Load F	actor(LF) [1]		C	perating rat	ting 2	17.2 metric ton	= 51.9	tons	
Bridge posting Equal to or above legal I						oads [5]			D	esign Load	MS 1	8 / HS 20 [5]			

For stilling I Data its							
Functional Details							
Average Daily Traffic 31012 Average daily tr	uck traffi 8 % Year 2013	Future average daily traffic	38271 Year	2032			
Road classification Principal Arterial - Interstate (Ur	ban) [11] Lanes on structure 6		Approach roadway width 29.3 m = 96.1 ft				
Type of service on bridge Highway [1]	Direction of traffic 2 - w	vay traffic [2]	Bridge me	edian Closed median with non-mountable barr			
Parallel structure designation No parallel structur	e exists. [N]						
Type of service under bridge Highway-railroad [4]	Lanes under structure 8	Navigation control	Not applicable, no wat	erway. [N]			
Navigation vertical clearanc 0 = N/A	Navigation hor	izontal clearance 0 = N/A					
Minimum navigation vertical clearance, vertical lift brid	dge	Minimum vertical cleara	nce over bridge roadw	ay 10 m = 32.8 ft			
Minimum lateral underclearance reference feature H	ighway beneath structure [H]						
Minimum lateral underclearance on right $5 \text{ m} = 16.4$	it	Minimum lateral underclea	arance on left 0 = N/A				
Minimum Vertical Underclearance 4 m = 13.1 ft	Minimum vertica	al underclearance reference feat	ture Highway beneath	n structure [H]			
Appraisal ratings - underclearances Basically intoler	able requiring high priority of corrrective	e action [3]					
Repair and Replacement Plans							
Type of work to be performed	Work done by Work to be done by	owner's forces [2]					
Bridge rehabilitation because of general structure	Bridge improvement cost 0	Roadway imp	rovement cost 10	000			
	Length of structure improvement	309 m = 1013.8 ft To	otal project cost 30	000			
	Year of improvement cost estimate						
	Border bridge - state	Bor	Border bridge - percent responsibility of other state				
	Border bridge - structure number						

Inspection and Sufficiency									
Structure status Open, no res	triction [A]	Appra struct	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]					
Condition ratings - superstructure	Condition ratings - superstructure Satisfactory [6]			Equal to present desirable criteria [8]					
Condition ratings - substructure		Appraisal ratings -	Equal to present minimum criteria [6]						
Condition ratings - deck	deck	k geometry							
Scour	Bridge not over	waterway. [N]							
Channel and channel protection	Not applicable.	[N]							
Appraisal ratings - water adequac	y N/A [N]				Status evaluation	Functionally obsolete [2]		
Pier or abutment protection				Sufficiency rating	62.8				
Culverts Not applicable. Used i	f structure is not a culv	vert. [N]							
Traffic safety features - railings		Inpected feature mee	ets currently accep	table standar	rds. [1]				
Traffic safety features - transition	S	Inpected feature mee	ure meets currently acceptable standards. [1]						
Traffic safety features - approach	guardrail	Inpected feature mee	ture meets currently acceptable standards. [1]						
Traffic safety features - approach	Inpected feature mee	ure meets currently acceptable standards. [1]							
Inspection date September 2	011 [0911] De	signated inspection fre	equency 24	Mo	onths				
Underwater inspection	l	Underwater inspect	tion date						
Fracture critical inspection	F	Fracture critical ins	pection date	September 201	1 [0911]				
Other special inspection	Not needed [N]	(Other special inspe	ection date					