

HistoricBridges.org - National Bridge Inventory Data Sheet

2013 Inventory

The National Bridge Inventory contains data submitted by state transportation 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

Pennsylvania [42]		Cambria County [021]		Johnstown [38288]		0.1 MILE NORTH OF PA 756		40-18-04 = 40.301111		078-54-40 = - 78.911111	
8519		Highway agency district 9		Owner State Highway Agency [01]		Maintenance responsibility		State Highway Agency [01]			
Route 403		PA 403 CENTRAL AVE		Toll On free road [3]		Features intersected		STONY CREEK RIVER			
Design - main Concrete [1]		Design - approach		Kilometerpoint 379.2 km = 235.1 mi		Year built 1917		Year reconstructed 1973			
2 Arch - Deck [11]		0 Other [00]		Skew angle 0		Structure Flared					
				Historical significance		Bridge is not eligible for the NRHP. [5]					
Total length 80.8 m = 265.1 ft		Length of maximum span 33.2 m = 108.9 ft		Deck width, out-to-out 19.5 m = 64.0 ft		Bridge roadway width, curb-to-curb		12.3 m = 40.4 ft			
Inventory Route, Total Horizontal Clearance 12.3 m = 40.4 ft		Curb or sidewalk width - left 3.2 m = 10.5 ft		Curb or sidewalk width - right 3.2 m = 10.5 ft							
Deck structure type		Not applicable [N]									
Type of wearing surface		Not applicable (applies only to structures with no deck) [N]									
Deck protection		Not applicable (applies only to structures with no deck) [N]									
Type of membrane/wearing surface		Not applicable (applies only to structures with no deck) [N]									

Weight Limits

Bypass, detour length 1.8 km = 1.1 mi		Method to determine inventory rating		Allowable Stress(AS) [2]		Inventory rating 26.3 metric ton = 28.9 tons	
		Method to determine operating rating		Allowable Stress(AS) [2]		Operating rating 99.9 metric ton = 109.9 tons	
Bridge posting		Equal to or above legal loads [5]		Design Load		M 18 / H 20 [4]	

Functional Details

Average Daily Traffic	8640	Average daily truck traffi	4	%	Year	2013	Future average daily traffic	10232	Year	2032
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	4		Approach roadway width	12.2 m = 40.0 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control				
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft					Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft			
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference 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]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	0	Roadway improvement cost	1000
	Length of structure improvement	101 m = 331.4 ft	Total project cost	3000
	Year of improvement cost estimate			
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Not Applicable [N]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	34.1
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	March 2012 [0312]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	January 2005 [0105]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	