

HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]		Lawrence County [073]		New Castle [53368]		400' E OF INT.W/SR 0018		40-59-50 = 40.997222		080-20-45 = - 80.345833		
22403		Highway agency district		11		Owner		State Highway Agency [01]		Maintenance responsibility		
State Highway Agency [01]												
Route	#Num!	East [2]	GROVE ST		Toll	On free road [3]		Features intersected				
NESHANNOCK CREEK												
Design - main	Steel [3]		Design - approach			Kilometerpoint	0 km = 0.0 mi					
2	Stringer/Multi-beam or girder [02]		0	Other [00]		Year built	1950		Year reconstructed		2010	
						Skew angle	40		Structure Flared			
						Historical significance	Bridge is not eligible for the NRHP. [5]					
Total length	66.1 m = 216.9 ft		Length of maximum span	32.3 m = 106.0 ft		Deck width, out-to-out	18.3 m = 60.0 ft		Bridge roadway width, curb-to-curb		13.8 m = 45.3 ft	
Inventory Route, Total Horizontal Clearance	13.8 m = 45.3 ft		Curb or sidewalk width - left	1.8 m = 5.9 ft		Curb or sidewalk width - right	1.8 m = 5.9 ft					
Deck structure type	Concrete Cast-in-Place [1]											
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]											
Deck protection	Epoxy Coated Reinforcing [1]											
Type of membrane/wearing surface												

Weight Limits

Bypass, detour length	Method to determine inventory rating		Load Factor(LF) [1]	Inventory rating	66.2 metric ton = 72.8 tons	
0 km = 0.0 mi	Method to determine operating rating		Load Factor(LF) [1]	Operating rating	99.8 metric ton = 109.8 tons	
Bridge posting	Equal to or above legal loads [5]		Design Load	MS 18 / HS 20 [5]		

Functional Details

Average Daily Traffic	4204	Average daily truck traffi	7	%	Year	2011	Future average daily traffic	9846	Year	2032
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	4		Approach roadway width	14 m = 45.9 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						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]		
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	0	Roadway improvement cost	0
	Length of structure improvement	65 m = 213.3 ft	Total project cost	1000
	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	Equal to present minimum criteria [6]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Excellent [9]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	
Pier or abutment protection		Sufficiency rating	81
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	April 2011 [0411]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	