

HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]		301006 CITY OF NEW CASTLE		41-00-11 = 41.003056		080-21-23 = - 80.356389	
377301000010060		Highway agency district 11		Owner City or Municipal Highway Agency [04]		Maintenance responsibility		City or Municipal Highway Agency [04]			
Route 0	East [2]	GRANT ST		Toll	On free road [3]		Features intersected SHENANGO RIVER				
Design - main Steel [3]		Design - approach		Kilometerpoint 0 km = 0.0 mi							
1 Truss - Thru [10]		0 Other [00]		Year built 1914		Year reconstructed N/A [0000]					
				Skew angle 0		Structure Flared					
				Historical significance Historical significance is not determinable at this time. [4]							
Total length 74.7 m = 245.1 ft		Length of maximum span 73.2 m = 240.2 ft		Deck width, out-to-out 13.9 m = 45.6 ft		Bridge roadway width, curb-to-curb 7.6 m = 24.9 ft					
Inventory Route, Total Horizontal Clearance 7.6 m = 24.9 ft		Curb or sidewalk width - left 3 m = 9.8 ft		Curb or sidewalk width - right 3 m = 9.8 ft							
Deck structure type		Concrete Cast-in-Place [1]									
Type of wearing surface		Bituminous [6]									
Deck protection											
Type of membrane/wearing surface											

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	13.6 metric ton = 15.0 tons
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	22.7 metric ton = 25.0 tons
	Bridge posting		Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	0	Average daily truck traffi	0	%	Year	2004	Future average daily traffic	0	Year	2024
Road classification	Local (Urban) [19]		Lanes on structure	1		Approach roadway width	9.4 m = 30.8 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	1 - way traffic [1]		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	5.94 m = 19.5 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	74.7 m = 245.1 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

Bridge closed to all traffic [K]

Appraisal ratings -
structural

Condition ratings - superstructure

Appraisal ratings -
roadway alignment

N/A [N]

Condition ratings - substructure

Satisfactory [6]

Appraisal ratings -
deck geometry

Equal to present minimum criteria [6]

Condition ratings - deck

Not Applicable [N]

Scour

Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]

Channel and channel protection

Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

36

Culverts

Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

December 2008 [1208]

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