HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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 Information

Pennsylvania [42]	Berks County [011]	Hereford [34016]	WEIGNERS BRIDGE	40-25-31 = 40.425278	075-33-15 = -75.554167

061022029018890	Highway agency district	5	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route	0		SR 1022(APPL.1)	Toll	On free road [3]	Features intersected	PERKIOMEN CREEK

Design - main	Steel [3]	Design - approach		Kilometerpoint	2292 km = 1421.0 mi		
1	Girder and floorbeam system [03]	0	Other [00]	Year built	1909	Year reconstructed	N/A [0000]
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]		

Total length	18.9 m = 62.0 ft	Length of maximum span	18.3 m = 60.0 ft	Deck width, out-to-out	5.5 m = 18.0 ft	Bridge roadway width, curb-to-curb	5.2 m = 17.1 ft
Inventory Route, Total Horizontal Clearance	5.2 m = 17.1 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 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	18.1 metric ton = 19.9 tons	
0.8 km = 0.5 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	30.8 metric ton = 33.9 tons	
	Bridge posting	30.0 - 39.9 % below [1]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	1080	Average daily truck traffi	9 %	Year	2010	Future average daily traffic	1400	Year	2013
Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	5.5 m = 18.0 ft				
Type of service on bridge	Highway [1]	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	10 m = 32.8 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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	27 m = 88.6 ft	Total project cost	1000
Year of improvement cost estimate	2003		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]
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 desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	29.3

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	Inpected feature meets currently acceptable standards. [1]

Inspection date	October 2009 [1009]	Designated inspection frequency	12	Months

Underwater inspection	Unknown [N00]	Underwater inspection date	
Fracture critical inspection	Unknown [N00]	Fracture critical inspection date	
Other special inspection	Unknown [N00]	Other special inspection date	