HistoricBridges.org - National Bridge Inventory Data Sheet

2014 Inventor

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]	Delaware County [045]	Concord [15488]	.7MI.S.CONCORDVI. 32E12	39-52-50.40 = 39.880667	075-30-42.82 = -75.511894

15301	Highway agency district 6	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]

Route	0	CONCORD ROAD	Toll	On free road [3]	Features intersected CHESTER CREEK / 3694-J10

Design - main	Masonry [8]	Design - approach		Kilometerpoint	1217.8 km = 755.0 mi
1	Arch - Deck [11]	0	Other [00]	Year built 1898	Year reconstructed 1990
				Skew angle 0	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP. [5]

Total length	9.1 m = 29.9 ft	Length of maximum span	7.9 m = 25.9 ft	Deck width, out-to-out	9.1 m = 29.9 ft	Bridge roadway width, curb-to-curb	8.2 m = 26.9 ft
Inventory Route, Total Horizontal Clearanc	8.2 m = 26.9 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 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	Method to determine inventory rating		Inventory rating	27.2 metric ton = 29.9 tons	
0.5 km = 0.3 mi	Method to determine operating rating		Operating rating	55.3 metric ton = 60.8 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	6359	Average daily truck traffi	5 %	Year	2013	Future average daily traffic	7970
Year	2032						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	8.2 m = 26.9 ft		
Type of service on bridge	Highway [1]	Direction of traffic	2 - way traffic [2]	Bridge median			
Parallel structure designatio	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	16 m = 52.5 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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Not Applicable [N]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
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	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	60.7
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	April 2013 [0413]	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	