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]	Wayne County [127]	Dyberry [20576]	DYBERRY TWP .5M W SR 4007	41-39-46 = 41.662778	075-17-53 = -75.298056

634017001027110	Highway agency district: 4	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0		SR 4017	Toll: On free road [3]	Features intersected: W BR DYBERRY CREEK	
Design - main: Steel [3]		Design - approach:		Kilometerpoint: 0 km = 0.0 mi	
3	Truss - Thru [10]	0	Other [00]	Year built: 1885	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 39.9 m = 130.9 ft	Length of maximum span: 14 m = 45.9 ft	Deck width, out-to-out: 4.3 m = 14.1 ft	Bridge roadway width, curb-to-curb: 3.9 m = 12.8 ft				
Inventory Route, Total Horizontal Clearance: 3.9 m = 12.8 ft	Curb or sidewalk width - left: 0.2 m = 0.7 ft	Curb or sidewalk width - right: 0.2 m = 0.7 ft					
Deck structure type: Wood or Timber [8]							
Type of wearing surface:							
Deck protection:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 6.4 metric ton = 7.0 tons		
2.9 km = 1.8 mi	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 10 metric ton = 11.0 tons		
	Bridge posting:		Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	15	Average daily truck traffi	10 %	Year	2009	Future average daily traffic	91	Year	2026

Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	2.7 m = 8.9 ft
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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

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	39 m = 128.0 ft	Total project cost	1000
Year of improvement cost estimate	2006		
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 - superstructur	Imminent Failure [1]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Critical [2]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Poor [4]		

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	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	18.6

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 2009 [0409]	Designated inspection frequency	6	Months

Underwater inspection	Every two years [Y24]	Underwater inspection date	April 2009 [0409]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	