HistoricBridges.org - National Bridge Inventory Data Sheet

2003 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]	Washington County [125]	Robinson [65376]	400' NORTH OF TR 857	40-26-13 = 40.436944	080-21-51 = -80.364167

627223050040070	Highway agency district: 12	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 0		DONALDSON BRIDGE	Toll: On free road [3]	Features intersected: RACCOON CREEK	
Design - main: Steel [3]		Design - approach:		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1901	Year reconstructed: N/A [0000]
				Skew angle: 24	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 25.3 m = 83.0 ft	Length of maximum span: 24.7 m = 81.0 ft	Deck width, out-to-out: 4.1 m = 13.5 ft	Bridge roadway width, curb-to-curb: 3.6 m = 11.8 ft				
Inventory Route, Total Horizontal Clearance: 3.5 m = 11.5 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: 3.6 metric ton = 4.0 tons		
0.5 km = 0.3 mi	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 5.4 metric ton = 5.9 tons		
	Bridge posting:		Design Load:		

Functional Details

Average Daily Traffic	60	Average daily truck traffi	0 %	Year	1993	Future average daily traffic	40
Year	1990						
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	3.4 m = 11.2 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	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	99.9 = Unlimited	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

Other structural work, including hydraulic replacements. [38]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	81000	Roadway improvement cost	35000
Length of structure improvement	32.6 m = 107.0 ft	Total project cost	160000
Year of improvement cost estimate			
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	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Satisfactory [6]		

Scour	Scour calculation/evaluation has not been made. [6]
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	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	21.8

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	October 2001 [1001]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	August 1997 [0897]
Other special inspection	Not needed [N]	Other special inspection date	