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]	Mercer County [085]	Hermitage [34064]	KELLY ROAD, HERMITAGE	41-16-03 = 41.267500	080-28-13 = -80.470278

437303038823040	Highway agency district: 1	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		

Route: 0	West [4]	BRIDGE 2304,T-388	Toll: On free road [3]	Features intersected: OVER SHENANGO RIVER	

Design - main	Steel [3]	Design - approach		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1897	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 57 m = 187.0 ft	Length of maximum span: 54.6 m = 179.1 ft	Deck width, out-to-out: 6.1 m = 20.0 ft	Bridge roadway width, curb-to-curb: 4.9 m = 16.1 ft		
Inventory Route, Total Horizontal Clearance: 4.9 m = 16.1 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft			

Deck structure type: Open Grating [3]

Type of wearing surface:

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 0 metric ton = 0.0 tons			
0.1 km = 0.1 mi	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 0 metric ton = 0.0 tons			
	Bridge posting: 30.0 - 39.9 % below [1]	Design Load: M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	412	Average daily truck traffi	4 %	Year	2005	Future average daily traffic	580
Year	2025						
Road classification	Collector (Urban) [17]	Lanes on structure	1	Approach roadway width	10.7 m = 35.1 ft		
Type of service on bridge	Highway [1]	Direction of traffic	1 - way traffic [1]	Bridge median	Open median [1]		
Parallel structure designation	The left structure of parallel bridges. This structure carries traffic in the opposite direction. [L]						
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	5 m = 16.4 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	57 m = 187.0 ft	Total project cost	2000
Year of improvement cost estimate	2005		
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		Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	
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	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	19.1

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 2009 [1009]	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	