

The National Bridge Inventory contains data submitted by state transportation 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]	Westmoreland County [129]	Hempfield [33792]	MANOR BORO. & HEMPFIELD T	40-19-52 = 40.331111	079-39-58 = - 79.666111
644012001000000	Highway agency district 12	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route 0	SR 4012	Toll On free road [3]	Features intersected BRUSH CREEK		
Design - main Concrete [1]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built 1921	Year reconstructed N/A [0000]	
1 Arch - Deck [11]	0 Other [00]	Skew angle 20	Structure Flared		
		Historical significance	Bridge is not eligible for the NRHP. [5]		
Total length 14 m = 45.9 ft	Length of maximum span 13.7 m = 44.9 ft	Deck width, out-to-out 7.5 m = 24.6 ft	Bridge roadway width, curb-to-curb 4.3 m = 14.1 ft		
Inventory Route, Total Horizontal Clearance 4.3 m = 14.1 ft	Curb or sidewalk width - left 1.2 m = 3.9 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 19.9 km = 12.3 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	26.3 metric ton = 28.9 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	44.5 metric ton = 49.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

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, would be posted or closed except for temporary shoring [D]

Appraisal ratings - structural

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - superstructure

Serious [3]

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 foundations determined to be stable for the assessed or calculated scour condition. [8]

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

17.1

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

February 2009 [0209]

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

Every year [Y12]

Other special inspection date