HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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]	Juniata County [067]	Mifflintown [49304]	MIFFLIN	40-34-10 = 40.569444	077-24-05 = -77.401389

340035053000000	Highway agency district: 2	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 35		SR 35-PA 35	Toll: On free road [3]	Features intersected: JUNIATA RIVER	

Design - main	Steel [3]	Design - approach		Kilometerpoint	3969.1 km = 2460.8 mi
4	Truss - Thru [10]	0	Other [00]	Year built: 1937	Year reconstructed: 1972
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is not eligible for the NRHP. [5]

Total length	210.3 m = 690.0 ft	Length of maximum span	52.4 m = 171.9 ft	Deck width, out-to-out	7.8 m = 25.6 ft	Bridge roadway width, curb-to-curb	7.2 m = 23.6 ft
Inventory Route, Total Horizontal Clearance	7.2 m = 23.6 ft	Curb or sidewalk width - left	1.5 m = 4.9 ft	Curb or sidewalk width - right	0.2 m = 0.7 ft		

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	30.8 metric ton = 33.9 tons	
1.3 km = 0.8 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	51.7 metric ton = 56.9 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	8641	Average daily truck traffi	9 %	Year	2008	Future average daily traffic	2720
Year	2029						

Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	7.2 m = 23.6 ft
Type of service on bridge	Highway-pedestrian [5]	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	4 m = 13.1 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	1000
Length of structure improvement	210 m = 689.0 ft	Total project cost	6000
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]
Channel and channel protection	Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]

Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	39

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	March 2008 [0308]	Designated inspection frequency	12	Months	
Underwater inspection	Every two years [Y24]			Underwater inspection date	October 2008 [1008]
Fracture critical inspection	Not needed [N]			Fracture critical inspection date	
Other special inspection	Every year [Y12]			Other special inspection date	March 2009 [0309]