HistoricBridges.org - National Bridge Inventory Data Sheet

2019 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]	Lebanon County [075]	Union [78376]	LICKDALE	40-27-08.90 = 40.452472	076-30-30.85 = -76.508569

22744	Highway agency district:	8	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route	0		Lickdale Rd	Toll	On free road [3]	Features intersected	Swatara Creek

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi		
2	Truss - Thru [10]	0	Other [00]	Year built	1933	Year reconstructed	1996
				Skew angle	47	Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]		

Total length	71.9 m = 235.9 ft	Length of maximum span	35.1 m = 115.2 ft	Deck width, out-to-out	7.5 m = 24.6 ft	Bridge roadway width, curb-to-curb	6.8 m = 22.3 ft
Inventory Route, Total Horizontal Clearance	6.8 m = 22.3 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Epoxy Overlay [5]
Deck protection	Epoxy Coated Reinforcing [1]
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	32.7 metric ton = 36.0 tons	
1 km = 0.6 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	55.3 metric ton = 60.8 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]	

Functional Details

Average Daily Traffic	1863	Average daily truck traffi	7 %	Year	2018	Future average daily traffic	3207	Year	2032

Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	7.9 m = 25.9 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	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

Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]

Work done by	Work to be done by owner's forces [2]		
Bridge improvement cost	28000	Roadway improvement cost	81000
Length of structure improvement	78 m = 255.9 ft	Total project cost	372000
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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	63.7
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]		

Inspection date	September 2017 [0917]	Designated inspection frequency	24	Months
Underwater inspection	Not needed [N]	Underwater inspection date		
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2017 [0917]	
Other special inspection	Not needed [N]	Other special inspection date		