

HistoricBridges.org - National Bridge Inventory Data Sheet

2019 Inventory

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]		Fayette County [051]		Dunbar [20216]	DUNBAR TOWNSHIP		39-58-25.70 = 39.973806	079-36-58.52 = -79.616256
16814	Highway agency district: 12		Owner	State Highway Agency [01]		Maintenance responsibility	State Highway Agency [01]	
Route 0		SR 1053	Toll	On free road [3]		Features intersected	GIST RUN	
Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi			
	1	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built	1940	Year reconstructed	N/A [0000]
					Skew angle	21	Structure Flared	
					Historical significance	Bridge is not eligible for the NRHP. [5]		
Total length	10.1 m = 33.1 ft		Length of maximum span	9.1 m = 29.9 ft		Deck width, out-to-out	11.6 m = 38.1 ft	
Inventory Route, Total Horizontal Clearance	7.9 m = 25.9 ft		Curb or sidewalk width - left	1.5 m = 4.9 ft		Curb or sidewalk width - right	1.5 m = 4.9 ft	
Deck structure type	Concrete Cast-in-Place [1]							
Type of wearing surface	Bituminous [6]							
Deck protection								
Type of membrane/wearing surface								

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	27.2 metric ton = 29.9 tons
0.6 km = 0.4 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	46.3 metric ton = 50.9 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	2265	Average daily truck traffi	9	%	Year	2018	Future average daily traffic	4653	Year	2032
Road classification	Collector (Urban) [17]	Lanes on structure	2		Approach roadway width	7.9 m = 25.9 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	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	Work done by	Work to be done by contract [1]		
Bridge deck rehabilitation with only incidental widening. [36]	Bridge improvement cost	8000	Roadway improvement cost	22000
	Length of structure improvement	16 m = 52.5 ft	Total project cost	103000
	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 corrective action [3]
Condition ratings - deck	Fair [5]		
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 desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	65.9
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	February 2017 [0217]	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	