

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]		Washington County [125]		North Strabane [55432]	300' WEST OF SR 19		40-16-10.42 = 40.269561	080-07-52.24 = -80.131178	
35315		Highway agency district: 12		Owner	County Highway Agency [02]		Maintenance responsibility	County Highway Agency [02]	
Route	#Num!	MC DOWELL BRIDGE		Toll	On free road [3]		Features intersected	CHARTIERS CREEK	
Design - main	Concrete continuous [2]		Design - approach	Kilometerpoint		0 km = 0.0 mi			
	3			Year built		1943	Year reconstructed		N/A [0000]
	Other [00]			Skew angle		0	Structure Flared		
	0			Historical significance		Bridge is not eligible for the NRHP. [5]			
Total length		43.6 m = 143.1 ft		Length of maximum span		18.3 m = 60.0 ft		Deck width, out-to-out	7.2 m = 23.6 ft
Inventory Route, Total Horizontal Clearance		5.8 m = 19.0 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		Bituminous [6]							
Deck protection									
Type of membrane/wearing surface		Unknown [8]							

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	28.1 metric ton = 30.9 tons
0.6 km = 0.4 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	48.1 metric ton = 52.9 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	

Functional Details

Average Daily Traffic	400	Average daily truck traffi	2	%	Year	2000	Future average daily traffic	400	Year	2010
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	6.1 m = 20.0 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	Work done by	Work to be done by owner's forces [2]		
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	20000	Roadway improvement cost	58000
	Length of structure improvement	53 m = 173.9 ft	Total project cost	265000
	Year of improvement cost estimate			
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - deck	Poor [4]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
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	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	47.8
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	April 2017 [0417]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2014 [0814]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Every year [Y12]	Other special inspection date	April 2018 [0418]