

HistoricBridges.org - National Bridge Inventory Data Sheet

2016 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

District of Columbia [District of Columbia [001]	Unknown [00000]	0.3 MILES WEST OF LINCOLN	38-53-15.20 = 38.887556	077-03-13.50 = -77.053750
#Num!	Highway agency district: 0	Owner National Park Service [66]	Maintenance responsibility	National Park Service [66]	
Route 2		MEMORIAL AVENUE	Toll On free road [3]	Features intersected GWMP (WB) & POTOMAC RIVE	
Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	81 km = 50.2 mi
1	Movable - Bascule [16]	10	Arch - Deck [11]	Year built	1932
				Year reconstructed	1986
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	627 m = 2057.2 ft	Length of maximum span	68.6 m = 225.1 ft	Deck width, out-to-out	29.4 m = 96.5 ft
				Bridge roadway width, curb-to-curb	18.3 m = 60.0 ft
Inventory Route, Total Horizontal Clearance	18.3 m = 60.0 ft	Curb or sidewalk width - left	4.2 m = 13.8 ft	Curb or sidewalk width - right	4.2 m = 13.8 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	Allowable Stress(AS) [2]	Inventory rating	99.9 metric ton = 109.9 tons
0.3 km = 0.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	99.9 metric ton = 109.9 tons
	Bridge posting		Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	60300	Average daily truck traffi	1	%	Year	2013	Future average daily traffic	66330	Year	2033
Road classification	Local (Urban) [19]		Lanes on structure	6		Approach roadway width	18.3 m = 60.0 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	Highway-waterway [6]		Lanes under structure	5		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	9.1 m = 29.9 ft		Navigation horizontal clearance	9.1 m = 29.9 ft						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft						
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	0.3 m = 1.0 ft					Minimum lateral underclearance on left	1.1 m = 3.6 ft			
Minimum Vertical Underclearance	3.86 m = 12.7 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]		
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	250000000	Roadway improvement cost	25000000
	Length of structure improvement		Total project cost	375000000
	Year of improvement cost estimate	2015		
	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	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	Serious [3]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Serious [3]		
Scour	Bridge over "tidal" waters that has not been evaluated for scour, but considered low risk. [T]		
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	Structurally deficient [1]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	17
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	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required. [N]		
Inspection date	April 2015 [0415]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	December 2012 [1212]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2015 [0415]
Other special inspection	Not needed [N]	Other special inspection date	