

HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]		Northampton County [095]		Easton [21648]		CITY OF EASTON		40-41-24 = 40.690000		075-12-18 = - 75.205000	
487302999200100		Highway agency district 5		Owner Local Toll Authority [32]		Maintenance responsibility		Private (other than railroad) [26]			
Route 22		US 22		Toll Toll bridge [1]		Features intersected DELAWARE RIVER					
Design - main Steel [3]		Design - approach		Kilometerpoint 0 km = 0.0 mi							
1		Truss - Thru [10]		0		Other [00]		Year built 1937		Year reconstructed 1990	
						Skew angle 0		Structure Flared			
						Historical significance Bridge is not eligible for the NRHP. [5]					
Total length 167.6 m = 549.9 ft		Length of maximum span 167.6 m = 549.9 ft		Deck width, out-to-out 14 m = 45.9 ft		Bridge roadway width, curb-to-curb 12.2 m = 40.0 ft					
Inventory Route, Total Horizontal Clearance 12.2 m = 40.0 ft		Curb or sidewalk width - left 2.4 m = 7.9 ft		Curb or sidewalk width - right 2.4 m = 7.9 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 1.6 km = 1.0 mi		Method to determine inventory rating		No rating analysis performed [5]		Inventory rating 52.6 metric ton = 57.9 tons	
		Method to determine operating rating		No rating analysis performed [5]		Operating rating 76.2 metric ton = 83.8 tons	
Bridge posting		Equal to or above legal loads [5]		Design Load		M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	38477	Average daily truck traffi	9	%	Year	2005	Future average daily traffic	56050	Year	2008
Road classification	Principal Arterial - Other Freeways or Exp		Lanes on structure	4		Approach roadway width	12.2 m = 40.0 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	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						Minimum vertical clearance over bridge roadway	6 m = 19.7 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	0	Roadway improvement cost	0
	Length of structure improvement	171 m = 561.1 ft	Total project cost	1000
	Year of improvement cost estimate			
	Border bridge - state	Unknown [342]	Border bridge - percent responsibility of other state	
	Border bridge - structure number	0		

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Good [7]	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 the assessed or calculated scour condition. [8]		
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	60
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	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	May 2009 [0509]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y48]	Underwater inspection date	September 1995 [0995]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	