

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Pennsylvania [42] Beaver County [007] Ambridge [02288] 004001 AMBRDG-ALIQ,S 1-10 40-35-30 = 40.591667 080-14-12 = - 80.236667
 047402000040010 Highway agency district 11 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]
 Route 0 AMBRIDGE-ALIQ BR Toll On free road [3] Features intersected SRS 51(NB)&65,OHIO R,2RR
 Design - main Steel continuous [4] Design - approach Steel [3] Kilometerpoint 0 km = 0.0 mi
 5 Truss - Thru [10] 5 Girder and floorbeam system [03] Year built 1927 Year reconstructed 2000
 Skew angle 0 Structure Flared
 Historical significance Bridge is possibly eligible for the NRHP. [3]
 Total length 608.1 m = 1995.2 ft Length of maximum span 161.5 m = 529.9 ft Deck width, out-to-out 9 m = 29.5 ft Bridge roadway width, curb-to-curb 8.2 m = 26.9 ft
 Inventory Route, Total Horizontal Clearance 8.2 m = 26.9 ft Curb or sidewalk width - left 0.2 m = 0.7 ft Curb or sidewalk width - right 1.9 m = 6.2 ft
 Deck structure type Concrete Cast-in-Place [1]
 Type of wearing surface Monolithic Concrete (concurrently placed with structural deck) [1]
 Deck protection Epoxy Coated Reinforcing [1]
 Type of membrane/wearing surface

Weight Limits

Bypass, detour length 1.3 km = 0.8 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 11.8 metric ton = 13.0 tons
 Method to determine operating rating Load Factor(LF) [1] Operating rating 20 metric ton = 22.0 tons
 Bridge posting Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	22500	Average daily truck traffi	9	%	Year	2006	Future average daily traffic	25000	Year	2026
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	10.1 m = 33.1 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-railroad [Lanes under structure	18		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	288.4 m = 946.2 ft			Navigation horizontal clearance	1900.2 m = 6234.6 ft					
Minimum navigation vertical clearance, vertical lift bridge					Minimum vertical clearance over bridge roadway	5 m = 16.4 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	99.9 = Unlimited				Minimum lateral underclearance on left	99.9 = Unlimited				
Minimum Vertical Underclearance	4 m = 13.1 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Basically intolerable requiring high priority of replacement [2]									

Repair and Replacement Plans

Type of work to be performed	Work done by Work to be done by contract [1]									
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	1000	Roadway improvement cost	4000						
	Length of structure improvement	608 m = 1994.8 ft			Total project cost	20000				
	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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Poor [4]	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	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	2
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	August 2009 [0809]	Designated inspection frequency	12 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	August 2005 [0805]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	August 2009 [0809]
Other special inspection	Not needed [N]	Other special inspection date	