

HistoricBridges.org - National Bridge Inventory Data Sheet

2003 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]	Armstrong County [005]	Mahoning [46632]	MAHONING TWP-CLIMAX	40-59-06 = 40.985000	079-22-36 = - 79.376667
37213010000050	Highway agency district 10	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	CLIMAX BRIDGE	Toll On free road [3]	Features intersected REDBANK CREEK		
Design - main 3	Steel [3] Truss - Deck [09]	Design - approach 0	Other [00]	Kilometerpoint 0 km = 0.0 mi	Year built 1898
				Year reconstructed 1974	Skew angle 0
				Structure Flared	Historical significance
				Bridge is not eligible for the NRHP. [5]	
Total length 78.6 m = 257.9 ft	Length of maximum span 30.8 m = 101.1 ft	Deck width, out-to-out 3.6 m = 11.8 ft	Bridge roadway width, curb-to-curb 3.4 m = 11.2 ft		
Inventory Route, Total Horizontal Clearance 3.3 m = 10.8 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Open Grating [3]				
Type of wearing surface					
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 1.6 km = 1.0 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	11.7 metric ton = 12.9 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	16.2 metric ton = 17.8 tons
Bridge posting		Design Load		

Functional Details

Average Daily Traffic	150	Average daily truck traffi	0	%	Year	2002	Future average daily traffic	140	Year	2021
Road classification	Minor Collector (Rural) [08]		Lanes on structure	2		Approach roadway width	3.4 m = 11.2 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	99.9 = Unlimited					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]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	588000	Roadway improvement cost	253000
	Length of structure improvement	88.1 m = 289.1 ft	Total project cost	1160000
	Year of improvement cost estimate	2002		
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

Inspection and Sufficiency

Structure status	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - superstructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Serious [3]"/>		
Scour	<input type="text" value="Scour calculation/evaluation has not been made. [6]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="12.2"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="March 2001 [0301]"/>	Designated inspection frequency	<input type="text" value="6"/> Months
Underwater inspection	<input type="text" value="Unknown [Y06]"/>	Underwater inspection date	<input type="text" value="June 2001 [0601]"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Unknown [Y06]"/>	Other special inspection date	<input type="text" value="March 2001 [0301]"/>