

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]	Venango County [121]	Sugarcreek [75000]	SUGAR CREEK BOROUGH	41-25-07 = 41.418611	079-52-33 = - 79.875833
604010010009340	Highway agency district 1	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 0		SR 4010,SUGAR CR	Toll On free road [3]	Features intersected OVER SUGAR CREEK	
Design - main	Aluminum, Wrought Iron or Cast Iron [9]	Design - approach		Kilometerpoint 663.4 km = 411.3 mi	
1	Truss - Thru [10]	0	Other [00]	Year built 1920	Year reconstructed 1981
				Skew angle 0	Structure Flared
				Historical significance Historical significance is not determinable at this time. [4]	
Total length 38.4 m = 126.0 ft	Length of maximum span 37.5 m = 123.0 ft	Deck width, out-to-out 5.5 m = 18.0 ft	Bridge roadway width, curb-to-curb 4.8 m = 15.7 ft		
Inventory Route, Total Horizontal Clearance 4.8 m = 15.7 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	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface	Preformed Fabric [2]				

Weight Limits

Bypass, detour length 2.4 km = 1.5 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating 26.3 metric ton = 28.9 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating 44.5 metric ton = 49.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	<input type="text" value="1092"/>	Average daily truck traffi	<input type="text" value="2"/>	%	Year	<input type="text" value="2010"/>	Future average daily traffic	<input type="text" value="1758"/>	Year	<input type="text" value="2025"/>
Road classification	<input type="text" value="Minor Collector (Rural) [08]"/>		Lanes on structure	<input type="text" value="2"/>		Approach roadway width	<input type="text" value="5.2 m = 17.1 ft"/>			
Type of service on bridge	<input type="text" value="Highway [1]"/>		Direction of traffic	<input type="text" value="One lane bridge for 2 - way traffic [3]"/>		Bridge median	<input type="text"/>			
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>									
Type of service under bridge	<input type="text" value="Waterway [5]"/>		Lanes under structure	<input type="text" value="0"/>		Navigation control	<input type="text"/>			
Navigation vertical clearanc	<input type="text" value="0 = N/A"/>		Navigation horizontal clearance	<input type="text" value="0 = N/A"/>						
Minimum navigation vertical clearance, vertical lift bridge	<input type="text" value="0 m = 0.0 ft"/>					Minimum vertical clearance over bridge roadway	<input type="text" value="4 m = 13.1 ft"/>			
Minimum lateral underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>									
Minimum lateral underclearance on right	<input type="text" value="0 = N/A"/>					Minimum lateral underclearance on left	<input type="text" value="0 = N/A"/>			
Minimum Vertical Underclearance	<input type="text" value="0 = N/A"/>		Minimum vertical underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>						
Appraisal ratings - underclearances	<input type="text" value="N/A [N]"/>									

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost

Roadway improvement cost

Length of structure improvement

Total project cost

Year of improvement cost estimate

Border bridge - state

Border bridge - percent responsibility of other state

Border bridge - structure number

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	N/A [N]
Condition ratings - deck	Fair [5]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	
Pier or abutment protection		Sufficiency rating	57.1
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	July 2009 [0709]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2009 [0709]
Other special inspection	Unknown [Y06]	Other special inspection date	July 2009 [0709]