

HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]		Lancaster County [071]		West Lampeter [83256]		1300 FT SW OF US 222		40-00-15 = 40.004167		076-18-01 = - 76.300278	
22128		Highway agency district 8		Owner County Highway Agency [02]		Maintenance responsibility		County Highway Agency [02]			
Route 0		ECKMAN RD		Toll On free road [3]		Features intersected MILL CREEK					
Design - main		Steel [3]		Design - approach				Kilometerpoint		0 km = 0.0 mi	
1		Truss - Thru [10]		0		Other [00]		Year built		1935	
								Year reconstructed		N/A [0000]	
								Skew angle		0	
								Structure Flared			
								Historical significance		Bridge is not eligible for the NRHP. [5]	
Total length		31.7 m = 104.0 ft		Length of maximum span		31.1 m = 102.0 ft		Deck width, out-to-out		7 m = 23.0 ft	
								Bridge roadway width, curb-to-curb		6.1 m = 20.0 ft	
Inventory Route, Total Horizontal Clearance		6.1 m = 20.0 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		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating		10.9 metric ton = 12.0 tons	
0.3 km = 0.2 mi		Method to determine operating rating		Load Factor(LF) [1]		Operating rating		18.1 metric ton = 19.9 tons	
Bridge posting		10.0 - 19.9 % below [3]		Design Load					

Functional Details

Average Daily Traffic	900	Average daily truck traffi	1	%	Year	2011	Future average daily traffic	1186	Year	2032
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	6.7 m = 22.0 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						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	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	31 m = 101.7 ft	Total project cost	0
	Year of improvement cost estimate			
	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="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - superstructure	<input type="text" value="Serious [3]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="20.5"/>
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="July 2010 [0710]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Unknown [Y06]"/>	Fracture critical inspection date	<input type="text" value="July 2010 [0710]"/>
Other special inspection	<input type="text" value="Unknown [Y06]"/>	Other special inspection date	<input type="text" value="July 2010 [0710]"/>