

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] Butler County [019] Butler [10472] KARNs CROSSING 40-52-11 = 40.869722 079-52-38 = - 79.877222

100068051000000 Highway agency district 10 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 68 SR0068 Toll On free road [3] Features intersected B&LE,B&P RRS;CONNOQUE CR

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 3263.1 km = 2023.1 mi

2 Truss - Thru [10] 10 Girder and floorbeam system [03] Year built 1937 Year reconstructed 1984

Skew angle 36 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 264.6 m = 868.2 ft Length of maximum span 51.2 m = 168.0 ft Deck width, out-to-out 10.9 m = 35.8 ft Bridge roadway width, curb-to-curb 10.3 m = 33.8 ft

Inventory Route, Total Horizontal Clearance 10.4 m = 34.1 ft Curb or sidewalk width - left 0.2 m = 0.7 ft Curb or sidewalk width - right 0.2 m = 0.7 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 0.3 km = 0.2 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 18.1 metric ton = 19.9 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 56.2 metric ton = 61.8 tons

Bridge posting Equal to or above legal loads [5] Design Load M 13.5 / H 15 [2]

### Functional Details

Average Daily Traffic	9371	Average daily truck traffi	3	%	Year	2009	Future average daily traffic	17798	Year	2023
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	2		Approach roadway width	10.4 m = 34.1 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	Railroad-waterway [7]		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	4.72 m = 15.5 ft						
Minimum lateral underclearance reference feature	Railroad beneath structure [R]									
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	6.68 m = 21.9 ft		Minimum vertical underclearance reference feature	Railroad beneath structure [R]						
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

### Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]		
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	0	Roadway improvement cost	1000
	Length of structure improvement	269.1 m = 882.9 ft	Total project cost	4000
	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	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
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	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	56.1
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			
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	June 2009 [0609]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	June 2009 [0609]
Other special inspection	Not needed [N]	Other special inspection date	