

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]	Monaca [50320]	MONACA-TR 51 O/ CSX RR.	40-40-57 = 40.682500	080-15-57 = - 80.265833
0400510160000000	Highway agency district 11	Owner State Highway Agency [01]	Maintenance responsibility	Railroad [27]	
Route 51	PENNSYLVANIA AV	Toll On free road [3]	Features intersected CSX RR		
Design - main Steel [3]	Design - approach	Kilometerpoint 1311.1 km = 812.9 mi			
1	Truss - Thru [10]	0	Other [00]	Year built 1938	Year reconstructed N/A [0000]
		Skew angle 60	Structure Flared		
		Historical significance Historical significance is not determinable at this time. [4]			
Total length 56.1 m = 184.1 ft	Length of maximum span 54.9 m = 180.1 ft	Deck width, out-to-out 11.4 m = 37.4 ft	Bridge roadway width, curb-to-curb 10.4 m = 34.1 ft		
Inventory Route, Total Horizontal Clearance 10.4 m = 34.1 ft	Curb or sidewalk width - left 1.8 m = 5.9 ft	Curb or sidewalk width - right 1.8 m = 5.9 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0.5 km = 0.3 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	15.4 metric ton = 16.9 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	45.4 metric ton = 49.9 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	M 13.5 / H 15 [2]

### Functional Details

Average Daily Traffic	10400	Average daily truck traffi	4	%	Year	2010	Future average daily traffic	15000	Year	2015
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-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Railroad [2]		Lanes under structure	0		Navigation control	Not applicable, no waterway. [N]			
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	4.75 m = 15.6 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	6.76 m = 22.2 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	0						
	Length of structure improvement	57.9 m = 190.0 ft		Total project cost	1000					
	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	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Serious [3]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	30.6
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	May 2009 [0509]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	