The National Bridge Inventory contains data submitted by state transportion 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							40-16-22 =	079-53-07 = -
Pennsylvania [42]	Sylvania [42] Allegheny County [003]		Elizabeth [22992] ELIZABETH BORO,MON.RIVER			40.272778	79.885278	
020051011000000 Highway agency district 11			Owner State Highway Agency [01] Maintenance responsibility		State Highway Ag	ency [01]		
Route 51 North [1] ELIZ. BR SR51 Toll On free road [3] Features intersected SR837 2001 CSX NS MON RI								
Design - Steel continuo main  Truss - Thru [		Design - approach Strin	el [3] nger/Multi-beam or girder [02]	Year built 1951	Structure Fla	onstructed 1985	e NRHP. [5]	
Total length 457.8 m = 1502.0 ft Length of maximum span 137.2 m = 450.2 ft Deck width, out-to-out 17.1 m = 56.1 ft Bridge roadway width, curb-to-curb 16.3 m = 53.5 ft Inventory Route, Total Horizontal Clearance 7.9 m = 25.9 ft Curb or sidewalk width - left 2.7 m = 8.9 ft Curb or sidewalk width - right 0.2 m = 0.7 ft								
Deck structure type Closed Grating [4]								
Type of wearing surface Bituminous [6]								
Deck protection								
Type of membrane/wearing surface								
Weight Limits								
Bypass, detour length  1.8 km = 1.1 mi	vicino to determine inventory rating		Load Factor(LF) [1]  Load Factor(LF) [1]		, ,	26.3 metric ton = 44.5 metric ton =		
Bridge posting Equal to or above legal loads [5]			D	Design Load M 13.5 / H 15 [2]				

Functional Details									
Average Daily Traffic 16798 Average daily tr	ruck traffi 8 % Year 2010 Future average daily traffic 45700 Year 2022								
Road classification Other Principal Arterial (Urban)	[14] Lanes on structure 4 Approach roadway width 16.2 m = 53.2 ft								
Type of service on bridge Highway-pedestrian [5]	Direction of traffic 2 - way traffic [2]  Bridge median Closed median with non-mountable bar								
Parallel structure designation No parallel structure exists. [N]									
Type of service under bridge Highway-waterway-rai	Iroad [ Lanes under structure 22 Navigation control Navigation control on waterway (bridge permit required). [1]								
Navigation vertical clearance 50 m = 164.1 ft Navigation horizontal clearance 450 m = 1476.5 ft									
Minimum navigation vertical clearance, vertical lift bridge  Minimum vertical clearance over bridge roadway  6 m = 19.7 ft									
Minimum lateral underclearance reference feature Highway beneath structure [H]									
Minimum lateral underclearance on right 2.9 m = 9.5 ft  Minimum lateral underclearance on left 0 = N/A									
Minimum Vertical Underclearance 5 m = 16.4 ft Minimum vertical underclearance reference feature Highway beneath structure [H]									
Appraisal ratings - underclearances Meets minimum tolerable limits to be left in place as is [4]									
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]									
	Length of structure improvement 690 m = 2263.9 ft Total project cost 10000								
	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 res	striction [A]	Appraisal ratings - structural	Meets minimum tolerable limits	s to be left in place as is [4]					
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]						
Condition ratings - substructure	Fair [5]	Appraisal ratings -	Meets minimum tolerable limits to be left in place as is [4]						
Condition ratings - deck	Fair [5]	deck geometry							
Scour	Bridge foundation	bridge foundations determined to be stable for assessed or calculated scour condition. [5]							
Channel and channel protection	Bank protection channel. [5]	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]							
Appraisal ratings - water adequac	Superior to pres	sent desirable criteria [9]	Status evaluation	Structurally deficient [1]					
Pier or abutment protection			Sufficiency rating	32.1					
Culverts Not applicable. Used if structure is not a culvert. [N]									
Traffic safety features - railings									
Traffic safety features - transition	IS	Inpected feature meets currently acce	d feature meets currently acceptable standards. [1]						
Traffic safety features - approach	n guardrail								
Traffic safety features - approach	n guardrail ends	Inpected feature meets currently acce	feature meets currently acceptable standards. [1]						
Inspection date April 2009 [0409] Designated inspection frequency 24 Months									
Underwater inspection	Not needed [N]	Underwater inspec	ction date						
Fracture critical inspection Not needed [N]			Fracture critical inspection date						
Other special inspection	Not needed [N]	Other special insp	ection date						