HistoricBridges.org - National Bridge Inventory Data Sheet

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							40-41-24 =	080-16-08 = -
Pennsylvania [42]	Beaver County [00	07]	Monaca [50320] MONACA & EAS		AST ROCHESTER	Γ ROCHESTER		80.268889
3482 Highway agency district 11			Owner State Highway A	Owner State Highway Agency [01] Maintenance responsibility			State Highway Ag	ency [01]
Route 51	PE	NNSYLVANIA AVE	Toll On free road [3] Features intersected TR65SB,OH			ORV,NS RR		
main approach		rder and floorbeam system [03] Skew angle 0 Structure Flared		constructed 1993	e NRHP. [5]			
Total length 620.9 m = 2037.2 ft Length of maximum span 222.5 m = 730.0 ft Deck width, out-to-out 11.1 m = 36.4 ft Bridge roadway width, curb-to-curb 8.2 m = 26.9 ft Inventory Route, Total Horizontal Clearance 8.2 m = 26.9 ft Curb or sidewalk width - left 1.5 m = 4.9 ft Curb or sidewalk width - right 0.2 m = 0.7 ft								
Deck structure type Type of wearing surface Concrete Cast-in-Place Monolithic Concrete (c			ace [1] (concurrently placed with str	uctural deck) [1]]			
Deck protection Epoxy Coated Reinfo		ıforcing [1]						
Type of membrane/w	earing surface							
Weight Limits								
Bypass, detour lengt 1.6 km = 1.0 mi	wethou to determine inventory rating		, ,		Inventory rating Operating rating			
Bridge posting Equal to or above legal loads [5]			Design Load MS 18 / HS 20 [5]					

Functional Details									
Average Daily Traffic 15324 Average daily tr	uck traffi 8 % Year 2013 Future average daily traffic 18233 Year 2032								
Road classification Other Principal Arterial (Urban)	[14] Lanes on structure 2 Approach roadway width 8.2 m = 26.9 ft								
Type of service on bridge Highway-pedestrian [5]	Direction of traffic 2 - way traffic [2] Bridge median								
Parallel structure designation No parallel structure	e exists. [N]								
Type of service under bridge Highway-waterway-railroad [Lanes under structure 4 Navigation control Navigation control on waterway (bridge permit required). [
Navigation vertical clearanc 788.1 m = 2585.8 ft	Navigation horizontal clearance 8168.6 m = 26801.2 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 99.9 = Unlimited Minimum lateral underclearance on left 99.9 = Unlimited									
Minimum Vertical Underclearance 4 m = 13.1 ft Minimum vertical underclearance reference feature Highway beneath structure [H]									
Appraisal ratings - underclearances Basically intolerable requiring high priority of corrrective action [3]									
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								
determination of interaction of the determination o	Length of structure improvement 621 m = 2037.5 ft Total project cost 2000								
	Year of improvement cost estimate								
	Border bridge - state Border bridge - percent responsibility of other state								
	Border bridge - structure number								

Inspection and Suff	ficiency								
Structure status	Open, no res	striction [A]	· ·	ppraisal ratings - ructural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]				
Condition ratings - superstructure Fair [5]			Appraisal ratings - roadway alignment		Better than present minimum criteria [7]				
Condition ratings - substructure Satisf		Satisfactory [6]		Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]				
Condition ratings - deck Good		Good [7]	d						
Scour		Bridge is scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]						
Channel and channel protection			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		Superior to pres	ent desirable crite	eria [9]		Status evaluation	Functionally obsolete [2]		
Pier or abutment protection		None present b	e present but re-evaluation suggested [5]			Sufficiency rating 43.8			
Culverts Not appli	icable. Used	if structure is not a culv	ert. [N]						
Traffic safety features - railings Inpected fea				ture meets currently acceptable standards. [1]					
Traffic safety features - transitions									
Traffic safety features - approach guardrail Inpect			Inpected feature i	cted feature meets currently acceptable standards. [1]					
Traffic safety features - approach guardrail ends			Inpected feature r	pected feature meets currently acceptable standards. [1]					
Inspection date									
Underwater inspection Every two years [Y24]			Underwater inspection date		November 2011 [1111]				
Fracture critical inspection Every		Every two years [Y24]	two years [Y24]		spection date	June 2011 [061	June 2011 [0611]		
Other special inspection Not no		Not needed [N]	[N] Other special inspec						