## HistoricBridges.org - National Bridge Inventory Data Sheet

## 2010 Inventory

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							40-19-56 =	079-39-54 = -
Pennsylvania [42]	Westmoreland (	County [129]	Hempfield [33792]	HEMPFIELD TOWNSH	HP		40.332222	79.665000
644010002000000Highway agency district12		Owner State Highway Agency [01] Maintenance responsibil		sponsibility	ility State Highway Agency [01]			
Route 0 SR 4010			Toll   On free road [3]   Features intersected   BRAN			BRANCH OF I	BRUSH CREEK	
Design - Concrete [1] main         1       Arch - Deck	-	Design - approach 0 Other	[00]	Kilometerpoint60 HYear built1929Skew angle15Historical significance	xm = 37.2 mi Year recon Structure Flare Bridge is n			
Total length     14.6 m = 47.9 ft     Length of maximum span     12.5 m = 41.0 ft     Deck width, out-to-out     10.1 m = 33.1 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 1.7 m = 5.6 ft Curb or sidewalk width - right 1.7 m = 5.6 ft						1.7 m = 5.6 ft		
Deck structure type		Not applicable [N]						
Type of wearing surface Not applicable (applies		s only to structures with no deck) [N]						
Deck protection Not applicable (applies		s only to structures with no deck) [N]						
Type of membrane/wearing surface Not applicable (applie		s only to structures with no deck) [N]						
Weight Limits								
Bypass, detour length Method to determine inventory rating		No rating analysis pe	erformed [5] Inve	entory rating 40	0.8 metric ton = 4	4.9 tons		
0.8 km = 0.5 mi Method to determine operating rating		No rating analysis pe	erformed [5] Ope	erating rating 68	8 metric ton = 74.	8 tons		
Bridge posting Equal to or above leg			jal loads [5]		ign Load M 13.5	5 / H 15 [2]		

Functional Details							
Average Daily Traffic 3707 Average daily tr	uck traffi 5 % Year 2007	Future average daily traffic	6066 Year 201	3			
Road classification Minor Arterial (Urban) [16]	Lanes on structure 2		Approach roadway wid	6.1 m = 20.0 ft			
Type of service on bridge Highway-pedestrian [5]	Direction of traffic 2 - w	ay 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 hori	zontal clearance 0 = N/A		]			
Minimum navigation vertical clearance, vertical lift brid	idge Minimum vertical clearance over bridge roadwa			10 m = 32.8 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 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 a	contract [1]					
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost 0	Roadway impro	ovement cost 0				
	Length of structure improvement	19 m = 62.3 ft Tota	al project cost 0				
	Year of improvement cost estimate						
	Border bridge - state	Borde	er bridge - percent respons	sibility of other state			
	Border bridge - structure number						

Inspection and Sufficiency							
Structure status Open, no res	triction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]				
Condition ratings - superstructur	on ratings - superstructur Poor [4]		Equal to present desirable criteria [8]				
Condition ratings - substructure	Satisfactory [6]	roadway alignment Appraisal ratings -	Basically intolerable requiring high priority of replacement [2]				
Condition ratings - deck Not Applicable [N]		deck geometry					
Scour	Bridge foundations determined required. [4]	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]					
Channel and channel protection	Bank protection is being erode channel. [5]	ed. River control devices a	and/or embankment have major damage. Trees and rush restrict the				
Appraisal ratings - water adequac	y Superior to present desirable	criteria [9]	Status evaluation Structurally deficient [1]				
Pier or abutment protection			Sufficiency rating 48				
Culverts Not applicable. Used i	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 February 2008 [0208] Designated inspection frequency 24 Months							
Underwater inspection	Not needed [N]	Underwater inspect	tion date				
Fracture critical inspection Not needed [N]		Fracture critical inspection date					
Other special inspection	Not needed [N]	Other special inspe	ection date				