

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.  
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<b>Basic Information</b>		Pennsylvania [42]		Allegheny County [003]		Pittsburgh [61000]		PITTSBURGH-31ST ST.BRIDGE		40-27-52 = 40.464444		079-58-48 = - 79.980000	
22122001000250		Highway agency district 11		Owner State Highway Agency [01]		Maintenance responsibility		State Highway Agency [01]					
Route 0		THIRTYFIRST ST		Toll On free road [3]		Features intersected ALLEG.RIV.,RR'S,LOCALS							
Design - main Steel [3]		Design - approach Steel continuous [4]		Kilometerpoint 0 km = 0.0 mi		Year built 1928		Year reconstructed 1976					
3 Arch - Deck [11]		23 Girder and floorbeam system [03]		Skew angle 99		Structure Flared							
				Historical significance		Bridge is not eligible for the NRHP. [5]							
Total length 817.2 m = 2681.2 ft		Length of maximum span 115.8 m = 379.9 ft		Deck width, out-to-out 13.3 m = 43.6 ft		Bridge roadway width, curb-to-curb 8.5 m = 27.9 ft							
Inventory Route, Total Horizontal Clearance 8.5 m = 27.9 ft		Curb or sidewalk width - left 2.4 m = 7.9 ft		Curb or sidewalk width - right 2.4 m = 7.9 ft									
Deck structure type		Concrete Cast-in-Place [1]											
Type of wearing surface		Bituminous [6]											
Deck protection													
Type of membrane/wearing surface													

<b>Weight Limits</b>		Bypass, detour length 0.5 km = 0.3 mi		Method to determine inventory rating Load Factor(LF) [1]		Inventory rating 32.7 metric ton = 36.0 tons	
		Method to determine operating rating Load Factor(LF) [1]		Operating rating 39.9 metric ton = 43.9 tons			
Bridge posting		Equal to or above legal loads [5]		Design Load		M 13.5 / H 15 [2]	

### Functional Details

Average Daily Traffic	7085	Average daily truck traffi	12	%	Year	2009	Future average daily traffic	8126	Year	2022
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	2		Approach roadway width	11.6 m = 38.1 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	Highway-waterway-railroad [		Lanes under structure	8		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	240 m = 787.4 ft			Navigation horizontal clearance	1181 m = 3874.9 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	10 m = 32.8 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	6.6 m = 21.7 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	3 m = 9.8 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
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	1000	Roadway improvement cost	2000		
	Length of structure improvement	829 m = 2719.9 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 restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Poor [4]		
Scour	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 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	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	42.6
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	June 2009 [0609]	Designated inspection frequency	24 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	