

The National Bridge Inventory contains data submitted by state transportation 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

Indiana [18]	Marshall County [099]	Plymouth [60822]	0.1 E of MICH St	41-20-36 = 41.343333	086-18-30 = - 86.308333
5000004	Highway agency district 4	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 64	EAST JEFFERSON St	Toll On free road [3]	Features intersected	YELLOW River	
Design - main Concrete [1]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built 1927	Year reconstructed 1987	
2 Arch - Deck [11]	0 Other [00]	Skew angle 19	Structure Flared	Historical significance is not determinable at this time. [4]	
Total length 42.1 m = 138.1 ft	Length of maximum span 21 m = 68.9 ft	Deck width, out-to-out 20.4 m = 66.9 ft	Bridge roadway width, curb-to-curb	15.5 m = 50.9 ft	
Inventory Route, Total Horizontal Clearance 15.5 m = 50.9 ft	Curb or sidewalk width - left 19.8 m = 65.0 ft	Curb or sidewalk width - right	19.8 m = 65.0 ft		
Deck structure type	Other [9]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.2 km = 0.1 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	32.4 metric ton = 35.6 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	42.3 metric ton = 46.5 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	5590	Average daily truck traffi	8	%	Year	2006	Future average daily traffic	6030	Year	2028
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	3		Approach roadway width	15.2 m = 49.9 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control				
Navigation vertical clearanc	4.9 m = 16.1 ft		Navigation horizontal clearance	8.5 m = 27.9 ft						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	99.99 m = 328.1 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 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 owner's forces [2]							
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	24000	Roadway improvement cost	1000						
	Length of structure improvement	42.1 m = 138.1 ft		Total project cost	26000					
	Year of improvement cost estimate	2008								
	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

Better than present minimum criteria [7]

Condition ratings - superstructure

Good [7]

Appraisal ratings -
roadway alignment

Better than present minimum criteria [7]

Condition ratings - substructure

Good [7]

Appraisal ratings -
deck geometry

Equal to present minimum criteria [6]

Condition ratings - deck

Good [7]

Scour

Bridge with "unknown" foundation that has not been evaluated for scour. [U]

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

Equal to present minimum criteria [6]

Status evaluation

Pier or abutment protection

Navigation protection not required [1]

Sufficiency rating

99.5

Culverts

Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings

Inspected feature meets currently acceptable standards. [1]

Traffic safety features - transitions

Inspected feature meets currently acceptable standards. [1]

Traffic safety features - approach guardrail

Inspected feature meets currently acceptable standards. [1]

Traffic safety features - approach guardrail ends

Inspected feature meets currently acceptable standards. [1]

Inspection date

August 2008 [0808]

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