

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Indiana [18]	Elkhart County [039]	Elkhart [20728]	5.4 km N US 20	41-40-48 = 41.680000	086-00-00 = - 86.000000
5165	Highway agency district 2	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 19	SR 19	Toll On free road [3]	Features intersected	ST. JOSEPH RIVER & ROAD	
Design - main Concrete continuous [2]	Design - approach	Kilometerpoint 2717.6 km = 1684.9 mi	Year built 1963	Year reconstructed #Num!	
5	Stringer/Multi-beam or girder [02]	0	Other [00]	Skew angle 15	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length 138.1 m = 453.1 ft	Length of maximum span 30.9 m = 101.4 ft	Deck width, out-to-out 20.2 m = 66.3 ft	Bridge roadway width, curb-to-curb 16.5 m = 54.1 ft		
Inventory Route, Total Horizontal Clearance 7.7 m = 25.3 ft	Curb or sidewalk width - left 0.2 m = 0.7 ft	Curb or sidewalk width - right 0.2 m = 0.7 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface	Preformed Fabric [2]				

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	41.4 metric ton = 45.5 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

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	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Fair [5]		

Scour	Bridge is scour critical; field review indicates that extensive scour has occurred at bridge foundations. [2]
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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]
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Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
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Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	70.3
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Culverts	Not applicable. Used if structure is not a culvert. [N]
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Traffic safety features - railings	
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Traffic safety features - transitions	
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Traffic safety features - approach guardrail	
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Traffic safety features - approach guardrail ends	
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Inspection date	February 2010 [0210]	Designated inspection frequency	24	Months
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Underwater inspection	Every two years [Y24]	Underwater inspection date	July 2010 [0710]
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Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
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Other special inspection	Not needed [N]	Other special inspection date	
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