HistoricBridges.org - National Bridge Inventory Data Sheet

2019 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

Michigan [26]	St. Joseph County [149]	Fabius [26920]	0.3 MI W OF THREE RIVERS	41-57-18.19 = 41.955053	085-38-46.13 = -85.646147

10265	Highway agency district: 5	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 131		US-131 SB	Toll: On free road [3]	Features intersected: ROCKY RIVER	

Design - main	Prestressed concrete [5]	Design - approach		Kilometerpoint: 381.9 km = 236.8 mi	
2	Box beam or girders - Multiple [05]	0	Other [00]	Year built: 1956	Year reconstructed:
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 27.4 m = 89.9 ft	Length of maximum span: 13.7 m = 44.9 ft	Deck width, out-to-out: 15 m = 49.2 ft	Bridge roadway width, curb-to-curb: 14.2 m = 46.6 ft				
Inventory Route, Total Horizontal Clearance: 14.2 m = 46.6 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft					
Deck structure type: Concrete Cast-in-Place [1]							
Type of wearing surface: Latex Concrete or similar additive [3]							
Deck protection:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length	Method to determine inventory rating: Load and Resistance Factor Rating (L	Inventory rating: 25.3 metric ton = 27.8 tons			
0.1 km = 0.1 mi	Method to determine operating rating: Load and Resistance Factor Rating (L	Operating rating: 39.9 metric ton = 43.9 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: MS 18 / HS 20 [5]			

Functional Details

Average Daily Traffic	7850	Average daily truck traffi	10 %	Year	2013	Future average daily traffic	9916	Year	2018

Road classification	Principal Arterial - Other (Rural) [02]	Lanes on structure	3	Approach roadway width	11.1 m = 36.4 ft
Type of service on bridge	Highway [1]	Direction of traffic	1 - way traffic [1]	Bridge median	
Parallel structure designation	The left structure of parallel bridges. This structure carries traffic in the opposite direction. [L]				
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control	
Navigation vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A		
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	99.9 = Unlimited	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

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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	81.4
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]		
Inspection date	July 2017 [0717]	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	

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Basic Information

Michigan [26]	St. Joseph County [149]	Fabius [26920]	0.3 MI W OF THREE RIVERS	41-57-17.99 = 41.954997	085-38-45.59 = -85.645997

10264	Highway agency district: 5	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]

Route	131	US-131 NB	Toll	On free road [3]	Features intersected ROCKY RIVER

Design - main	Steel [3]	Design - approach		Kilometerpoint	1263.5 km = 783.4 mi
2	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built	1951
				Year reconstructed	
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]

Total length	27.4 m = 89.9 ft	Length of maximum span	13.7 m = 44.9 ft	Deck width, out-to-out	14.2 m = 46.6 ft	Bridge roadway width, curb-to-curb	13 m = 42.7 ft

Inventory Route, Total Horizontal Clearance	13 m = 42.7 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Latex Concrete or similar additive [3]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor (LF) rating reported by rati	Inventory rating	43.4 metric ton = 47.7 tons	
0.1 km = 0.1 mi	Method to determine operating rating	Load Factor (LF) rating reported by rati	Operating rating	72.6 metric ton = 79.9 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	7850	Average daily truck traffi	10 %	Year	2013	Future average daily traffic	9916	Year	2018

Road classification	Principal Arterial - Other (Rural) [02]	Lanes on structure	2	Approach roadway width	11.1 m = 36.4 ft
Type of service on bridge	Highway [1]	Direction of traffic	1 - way traffic [1]	Bridge median	Closed median (no barriers) [2]
Parallel structure designation	The right structure of parallel bridges carrying the roadway in the direction of the inventory. [R]				
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control	
Navigation vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A		
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	99.9 = Unlimited	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

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	Superior to present desirable criteria [9]
Condition ratings - deck	Fair [5]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	98.6
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]		
Inspection date	July 2017 [0717]	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	