

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

Michigan [26] Jackson County [075] Rives [68920] 3 MI E OF RIVES JUNCTION 42-22-41 = 42.378056 084-24-30 = - 84.408333

38200110000B010 Highway agency district: 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 3884 BERRY RD Toll On free road [3] Features intersected GRAND RIVER

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 324.8 km = 201.4 mi

1 Stringer/Multi-beam or girder [02] 0 Other [00] Year built 1932 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 23.1 m = 75.8 ft Length of maximum span 22.5 m = 73.8 ft Deck width, out-to-out 8.9 m = 29.2 ft Bridge roadway width, curb-to-curb 6.7 m = 22.0 ft

Inventory Route, Total Horizontal Clearance 6.7 m = 22.0 ft Curb or sidewalk width - left 0.7 m = 2.3 ft Curb or sidewalk width - right 0.7 m = 2.3 ft

Deck structure type Concrete Cast-in-Place [1]

Type of wearing surface Bituminous [6]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.8 km = 0.5 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 7.6 metric ton = 8.4 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 29 metric ton = 31.9 tons

Bridge posting 10.0 - 19.9 % below [3] Design Load

Functional Details

Average Daily Traffic	2400	Average daily truck traffi	0	%	Year	2008	Future average daily traffic	2930	Year	2028
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	8.5 m = 27.9 ft					
Type of service on bridge	Highway [1]	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	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	Work to be done by contract [1]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	1000	Roadway improvement cost	0						
	Length of structure improvement	30.5 m = 100.1 ft		Total project cost	1000					
	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

Posted for load [P]

Appraisal ratings -
structural

Basically intolerable requiring high priority of replacement [2]

Condition ratings - superstructure

Poor [4]

Appraisal ratings -
roadway alignment

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Condition ratings - substructure

Fair [5]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Poor [4]

Scour

Scour calculation/evaluation has not been made. [6]

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

Better than present minimum criteria [7]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

3

Culverts

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

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Inspected feature meets currently acceptable standards. [1]

Traffic safety features - approach guardrail ends

Inspection date

May 2008 [0508]

Designated inspection frequency

12

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