

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]	Shiawassee County [155]	Antrim [03120]	3 MILES SOUTHWEST OF BANC	42-51-48 = 42.863333	084-07-36 = - 84.126667
76200010000B010	Highway agency district 6	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 7628	LANSING ROAD	Toll On free road [3]	Features intersected	LOOKINGGLASS RIVER	
Design - main Steel [3]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built 1931	Year reconstructed N/A [0000]	
1	Stringer/Multi-beam or girder [02]	0	Other [00]	Skew angle 0	Structure Flared
			Historical significance	Historical significance is not determinable at this time. [4]	
Total length 12.8 m = 42.0 ft	Length of maximum span 10.6 m = 34.8 ft	Deck width, out-to-out 14.7 m = 48.2 ft	Bridge roadway width, curb-to-curb	12.2 m = 40.0 ft	
Inventory Route, Total Horizontal Clearance 12.1 m = 39.7 ft	Curb or sidewalk width - left 0.8 m = 2.6 ft	Curb or sidewalk width - right	0.8 m = 2.6 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 0.2 km = 0.1 mi	Method to determine inventory rating	Load and Resistance Factor(LRFR) [3]	Inventory rating	20 metric ton = 22.0 tons
	Method to determine operating rating	Load and Resistance Factor(LRFR) [3]	Operating rating	27.3 metric ton = 30.0 tons
Bridge posting		Design Load	M 18 / H 20 [4]	

Functional Details

Average Daily Traffic	2127	Average daily truck traffi	20	%	Year	1998	Future average daily traffic	3830	Year	2018
Road classification	Major Collector (Rural) [07]		Lanes on structure	2		Approach roadway width	12.2 m = 40.0 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	0 m = 0.0 ft				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	0	Roadway improvement cost	0						
	Length of structure improvement	15.9 m = 52.2 ft		Total project cost	0					
	Year of improvement cost estimate	1996								
	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 corrective action [3]

Condition ratings - superstructure

Serious [3]

Appraisal ratings -
roadway alignment

Equal to present desirable criteria [8]

Condition ratings - substructure

Satisfactory [6]

Appraisal ratings -
deck geometry

Equal to present minimum criteria [6]

Condition ratings - deck

Poor [4]

Scour

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

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

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

38.1

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

Traffic safety features - approach guardrail ends

Inspection date

April 2000 [0400]

Designated inspection frequency

24

Months

Underwater inspection

Underwater inspection date

Fracture critical inspection

Unknown [N00]

Fracture critical inspection date

Other special inspection

Unknown [N00]

Other special inspection date