

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]	Jackson [41420]	NEAR THE CASCADES	00-00-00 = 0.000000	000-00-00 = 0.000000
384345000001B01	Highway agency district 6	Owner City or Municipal Highway Agency [04]	Maintenance responsibility City or Municipal Highway Agency [04]		
Route 0	DENTON ROAD	Toll On free road [3]	Features intersected SPARKS FND. PARK POND		
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	Bridge is on the NRHP. [1]
Total length 7.3 m = 24.0 ft	Length of maximum span 7 m = 23.0 ft	Deck width, out-to-out 9.7 m = 31.8 ft	Bridge roadway width, curb-to-curb 7 m = 23.0 ft		
Inventory Route, Total Horizontal Clearance 7 m = 23.0 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 0.2 km = 0.1 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	12.7 metric ton = 14.0 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	33.6 metric ton = 37.0 tons
Bridge posting	20.0 - 29.9 % below [2]		Design Load	

Functional Details

Average Daily Traffic	7588	Average daily truck traffi	5	%	Year	2000	Future average daily traffic	8726	Year	2020
Road classification	Collector (Urban) [17]	Lanes on structure	2	Approach roadway width	7.9 m = 25.9 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	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	7.3 m = 24.0 ft		Total project cost	0	
	Year of improvement cost estimate					
	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

Serious [3]

Appraisal ratings -
roadway alignment

Equal to present minimum criteria [6]

Condition ratings - substructure

Fair [5]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Poor [4]

Scour

Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]

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

Superior to present desirable criteria [9]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

4

Culverts

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

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

May 2001 [0501]

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