

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]	Eaton County [045]	Brookfield [10920]	6 MI S. CHARLOTTE	42-27-15 = 42.454167	084-48-23 = - 84.806389
23303H00006B010	Highway agency district 6	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	POWERS HWY	Toll On free road [3]	Features intersected	BATTLE CREEK	
Design - main Steel [3]	Design - approach	Kilometerpoint 82.2 km = 51.0 mi	Year built 1910	Year reconstructed N/A [0000]	
1 Truss - Thru [10]	0 Other [00]	Skew angle 0	Structure Flared		
		Historical significance	Bridge is on the NRHP. [1]		
Total length 8.5 m = 27.9 ft	Length of maximum span 7.6 m = 24.9 ft	Deck width, out-to-out 5 m = 16.4 ft	Bridge roadway width, curb-to-curb	4.9 m = 16.1 ft	
Inventory Route, Total Horizontal Clearance 4.8 m = 15.7 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		
Deck structure type	Wood or Timber [8]				
Type of wearing surface	Wood or Timber [7]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.5 km = 0.3 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	0 metric ton = 0.0 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	0 metric ton = 0.0 tons
	Bridge posting		Design Load	

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

Bridge closed to all traffic [K]

Appraisal ratings -
structural

Condition ratings - superstructure

Imminent Failure [1]

Appraisal ratings -
roadway alignment

Condition ratings - substructure

Fair [5]

Appraisal ratings -
deck geometry

Condition ratings - deck

Scour

Bridge with "unknown" foundation that has not been evaluated for scour. [U]

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

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

19.4

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 2009 [0509]

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