

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	Menominee County	Harris	3.5 MI E POWERS	45.688333	-87.443333
55305A00030B010	Highway agency district: 1	Owner County Highway Agency	Maintenance responsibility County Highway Agency		
Route 0	F-4 ROAD	Toll On free road	Features intersected BIG CEDAR		
Design - main Steel	Design - approach	Kilometerpoint 3.5	Year built 1924	Year reconstructed N/A	
1	Truss - Thru	0	Other	Skew angle 0	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP.
Total length 52.8	Length of maximum span 50.9	Deck width, out-to-out 16.1	Bridge roadway width, curb-to-curb 16.1		
Inventory Route, Total Horizontal Clearance 15.7	Curb or sidewalk width - left 0	Curb or sidewalk width - right 0			
Deck structure type	Corrugated Steel				
Type of wearing surface	Wood or Timber				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 12.4	Method to determine inventory rating Allowable Stress(AS)	Inventory rating 14.3
	Method to determine operating rating Allowable Stress(AS)	Operating rating 18.7
Bridge posting 20.0 - 29.9 % below	Design Load	M 9 / H 10

Functional Details

Average Daily Traffic Average daily truck traffic % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width Bridge median

Type of service on bridge Direction of traffic

Parallel structure designation

Type of service under bridge Lanes under structure

Navigation vertical clearance Navigation control 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	<input type="text" value="Posted for load"/>	Appraisal ratings - structural	<input type="text" value="Meets minimum tolerable limits to be left in place as is"/>
Condition ratings - superstructure	<input type="text" value="Fair"/>	Appraisal ratings - roadway alignment	<input type="text" value="Basically intolerable requiring high priority of replacement"/>
Condition ratings - substructure	<input type="text" value="Poor"/>	Appraisal ratings - deck geometry	<input type="text" value="N/A"/>
Condition ratings - deck	<input type="text" value="Good"/>		
Scour	<input type="text" value="Scour calculation/evaluation has not been made."/>		
Channel and channel protection	<input type="text" value="Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition."/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria"/>	Status evaluation	<input type="text" value="Structurally deficient"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="32.9"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert."/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="Oct-07"/>	Designated inspection frequency	<input type="text" value="24"/>
Underwater inspection	<input type="text" value="Not needed"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Not needed"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed"/>	Other special inspection date	<input type="text"/>