

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Michigan [26]	Branch County [023]	Union [81280]	SEC. 10-15 UNION TWP.	42-02-35 = 42.043056	085-06-58 = - 85.116111
12316H00014B010	Highway agency district 5	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	GOWER ROAD	Toll On free road [3]	Features intersected	COLDWATER RIVER	
Design - main Steel [3]	Design - approach	Kilometerpoint 31.4 km = 19.5 mi	Year built #Num!	Year reconstructed N/A [0000]	
1	Truss - Thru [10]	0	Other [00]	Skew angle 0	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length 24.7 m = 81.0 ft	Length of maximum span 23.7 m = 77.8 ft	Deck width, out-to-out 4.1 m = 13.5 ft	Bridge roadway width, curb-to-curb 4 m = 13.1 ft		
Inventory Route, Total Horizontal Clearance 4.1 m = 13.5 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	Load Factor(LF) [1]	Inventory rating	8.5 metric ton = 9.4 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	13.6 metric ton = 15.0 tons
Bridge posting		Design Load	M 9 / H 10 [1]	

Functional Details

Average Daily Traffic	111	Average daily truck traffi	4	%	Year	2004	Future average daily traffic	166	Year	2024
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	6.1 m = 20.0 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						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	240000	Roadway improvement cost	40000						
	Length of structure improvement	30.5 m = 100.1 ft		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

Critical [2]

Appraisal ratings -
roadway alignment

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - substructure

Fair [5]

Appraisal ratings -
deck geometry

Condition ratings - deck

Critical [2]

Scour

Countermeasures have been installed to mitigate an existing problem with scour. [7]

Channel and channel protection

Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]

Appraisal ratings - water adequacy

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

15.9

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

October 2008 [1008]

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