

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]	Ingham County [065]	Unknown [00000]	2.7 M NW OF ONONDAGA		
33311H00010B010	Highway agency district 8	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	GALE RD	Toll On free road [3]	Features intersected	GRAND RIVER	
Design - main	Steel [3]	Design - approach	Kilometerpoint		
1	Truss - Thru [10]	0	Other [00]	Year built 1897	Year reconstructed N/A [0000]
				Skew angle 20	Structure Flared
				Historical significance Bridge is on the NRHP. [1]	
Total length	36 m = 118.1 ft	Length of maximum span	36 m = 118.1 ft	Deck width, out-to-out	4.4 m = 14.4 ft
Inventory Route, Total Horizontal Clearance	4.2 m = 13.8 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft
Deck structure type					
Type of wearing surface					
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	9 metric ton = 9.9 tons
0.8 km = 0.5 mi	Method to determine operating rating		Operating rating	9 metric ton = 9.9 tons
	Bridge posting	20.0 - 29.9 % below [2]	Design Load	MS 18+Mod / HS 20+Mod [6]

Functional Details

Average Daily Traffic	460	Average daily truck traffi		%	Year	1978	Future average daily traffic	460	Year	1977
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	8.5 m = 27.9 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	5.08 m = 16.7 ft						
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left				
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	390000	Roadway improvement cost	30000	
	Length of structure improvement	45.7 m = 149.9 ft		Total project cost	590000
	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	Satisfactory [6]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Critical [2]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Scour calculation/evaluation has not been made. [6]		
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	19.9
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	March 1991 [0391]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	September 1989 [0989]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	