

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] Midland County [111] Unknown [00000] AT GORDONVILLE RD

56314H00009B010 Highway agency district 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 0 4 3/4 MILE RD Toll On free road [3] Features intersected PINE RIVER

Design - main Steel [3] Design - approach Other [00] Kilometerpoint Year built 1903 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 36.6 m = 120.1 ft Length of maximum span 35.4 m = 116.1 ft Deck width, out-to-out 5.2 m = 17.1 ft Bridge roadway width, curb-to-curb 4.6 m = 15.1 ft

Inventory Route, Total Horizontal Clearance 4.5 m = 14.8 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
 Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi Method to determine inventory rating Inventory rating 0 metric ton = 0.0 tons

Method to determine operating rating Operating rating 0 metric ton = 0.0 tons

Bridge posting Design Load MS 18+Mod / HS 20+Mod [6]

Functional Details

Average Daily Traffic	320	Average daily truck traffi	%	Year	1978	Future average daily traffic	320	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	99.99 m = 328.1 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	470000	Roadway improvement cost	35000			
	Length of structure improvement	45.7 m = 149.9 ft		Total project cost	413000		
	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

Appraisal ratings -
roadway alignment

Basically intolerable requiring high priority of replacement [2]

Condition ratings - substructure

Poor [4]

Appraisal ratings -
deck geometry

Condition ratings - deck

Serious [3]

Scour

Scour calculation/evaluation has not been made. [6]

Channel and channel protection

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. [8]

Appraisal ratings - water adequacy

Meets minimum tolerable limits to be left in place as is [4]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

15

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

June 1991 [0691]

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