

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]	Berrien County [021]	New Troy [57660]	0.2 MI W OF NEW TROY				
11200054000B010	Highway agency district	7	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route	0	AVERY ROAD	Toll	On free road [3]	Features intersected	GALIEN RIVER	
Design - main	Concrete [1]	Design - approach		Kilometerpoint			
1	Girder and floorbeam system [03]	0	Other [00]	Year built	1928	Year reconstructed	N/A [0000]
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is possibly eligible for the NRHP. [3]		
Total length	18.3 m = 60.0 ft	Length of maximum span	17.4 m = 57.1 ft	Deck width, out-to-out	7.8 m = 25.6 ft	Bridge roadway width, curb-to-curb	6.1 m = 20.0 ft
Inventory Route, Total Horizontal Clearance	6.1 m = 20.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		
Deck structure type	Concrete Cast-in-Place [1]						
Type of wearing surface	Bituminous [6]						
Deck protection							
Type of membrane/wearing surface							

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	12.4 metric ton = 13.6 tons
1.9 km = 1.2 mi	Method to determine operating rating		Operating rating	48.6 metric ton = 53.5 tons
	Bridge posting	30.0 - 39.9 % below [1]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	559	Average daily truck traffi	5	%	Year	1981	Future average daily traffic	850	Year	2010
Road classification	Minor Collector (Rural) [08]	Lanes on structure	2	Approach roadway width	9.1 m = 29.9 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	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	310000	Roadway improvement cost	150000						
	Length of structure improvement	24.4 m = 80.1 ft		Total project cost	465000					
	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 corrective action [3]

Condition ratings - superstructure

Serious [3]

Appraisal ratings -
roadway alignment

Basically intolerable requiring high priority of replacement [2]

Condition ratings - substructure

Fair [5]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - deck

Poor [4]

Scour

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

Channel and channel protection

Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]

Appraisal ratings - water adequacy

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

2

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

July 1990 [0790]

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