

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] Clinton County [037] Watertown [84400] .5 MI N OF CLARK RD 00-00-00 = 0.000000 000-00-00 = - 0.000000

19315H00011B010 Highway agency district 6 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 0 BAUER ROAD Toll On free road [3] Features intersected LOOKING GLASS RIVER

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 0 Other [00] Year built 1902 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is on the NRHP. [1]

Total length 24 m = 78.7 ft Length of maximum span 24 m = 78.7 ft Deck width, out-to-out 4.2 m = 13.8 ft Bridge roadway width, curb-to-curb 4.2 m = 13.8 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 Wood or Timber [8]

Type of wearing surface Wood or Timber [7]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.6 km = 0.4 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 0 metric ton = 0.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 0 metric ton = 0.0 tons

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

Functional Details

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

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc 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

Bridge closed to all traffic [K]

Appraisal ratings - structural

Condition ratings - superstructure

Appraisal ratings - roadway alignment

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

Condition ratings - substructure

Critical [2]

Appraisal ratings - deck geometry

Condition ratings - deck

Scour

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

Channel and channel protection

Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]

Appraisal ratings - water adequacy

Equal to present minimum criteria [6]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

0

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

February 1999 [0299]

Designated inspection frequency

24

Months

Underwater inspection

Unknown [N24]

Underwater inspection date

Fracture critical inspection

Unknown [N24]

Fracture critical inspection date

Other special inspection

Unknown [N24]

Other special inspection date

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Basic Information

Michigan [26] Clinton County [037] Unknown [00000] .1 MI S OF HERBISON

19307H00014B010 Highway agency district 5 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 0 TALLMAN ROAD Toll On free road [3] Features intersected LOOKING GLASS RIVER

Design - main Steel [3] Design - approach Other [00] Kilometerpoint Year built 1896 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 27.1 m = 88.9 ft Length of maximum span 27.1 m = 88.9 ft Deck width, out-to-out 4.6 m = 15.1 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 Wood or Timber [8]

Type of wearing surface Wood or Timber [7]

Deck protection Epoxy Coated Reinforcing [1]

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.6 km = 0.4 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	280	Average daily truck traffi		%	Year	1979	Future average daily traffic	280	Year	1977
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	5.5 m = 18.0 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	4.26 m = 14.0 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	326000	Roadway improvement cost	20000		
	Length of structure improvement	33.5 m = 109.9 ft		Total project cost	346000	
	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 corrective action [3]

Condition ratings - substructure

Appraisal ratings -
deck geometry

Condition ratings - deck

Scour

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

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

13.4

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

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