HistoricBridges.org - National Bridge Inventory Data Sheet

1992 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Kent County [081]	Unknown [00000]	.25 MI. NE OF LIN. LK. AV		
41322H00007B010	Highway agency district: 5	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 0		BURROUGHS ST.	Toll: On free road [3]	Features intersected: FLAT RIVER	

Design - main	Steel [3]	Design - approach		Kilometerpoint	
2	Truss - Thru [10]	0	Other [00]	Year built: 1905	Year reconstructed: 1939
				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	17.4 m = 57.1 ft	Deck width, out-to-out	4.1 m = 13.5 ft	Bridge roadway width, curb-to-curb	4.1 m = 13.5 ft
Inventory Route, Total Horizontal Clearance	0 m = 0.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Wood or Timber [8]
Type of wearing surface	Wood or Timber [7]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	3.4 metric ton = 3.7 tons	
0.6 km = 0.4 mi	Method to determine operating rating		Operating rating	11.3 metric ton = 12.4 tons	
	Bridge posting		Design Load	M 9 / H 10 [1]	

Functional Details

Average Daily Traffic	130	Average daily truck traffi		%	Year 1991	Future average daily traffic	285	Year 2011

Road classification	Minor Collector (Rural) [08]	Lanes on structure	2	Approach roadway width	5.5 m = 18.0 ft
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	400000	Roadway improvement cost	100000
Length of structure improvement	45.7 m = 149.9 ft	Total project cost	575000
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 - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	N/A [N]
Condition ratings - deck	Fair [5]		
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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	22.6
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	May 1991 [0591]	Designated inspection frequency	24 Months
Underwater inspection		Underwater inspection date	
Fracture critical inspection		Fracture critical inspection date	
Other special inspection	Unknown [Y06]	Other special inspection date	May 1991 [0591]