HistoricBridges.org - National Bridge Inventory Data Sheet

2000 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]	St. Clair County [147]	Lynn [49800]	SEC. 13-24 LYNN TWP.	00-00-00 = 0.000000	000-00-00 = -0.000000

77318H00032B010	Highway agency district: 7	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 0		SPEAKER ROAD	Toll: On free road [3]	Features intersected: S. BR. MILL CREEK DRAIN	

Design - main	Steel [3]	Design - approach		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1908	Year reconstructed: N/A [0000]
				Skew angle: 40	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 21.3 m = 69.9 ft	Length of maximum span: 20.1 m = 65.9 ft	Deck width, out-to-out: 4.7 m = 15.4 ft	Bridge roadway width, curb-to-curb: 4.5 m = 14.8 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:					
Type of membrane/wearing surface:					

Weight Limits

Bypass, detour length: 0.3 km = 0.2 mi	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 6.4 metric ton = 7.0 tons			
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 10.9 metric ton = 12.0 tons			
	Bridge posting: 20.0 - 29.9 % below [2]	Design Load: M 18 / H 20 [4]			

Functional Details

Average Daily Traffic	122	Average daily truck traffi	3 %	Year	1994	Future average daily traffic	152
Year	2014						
Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	6.1 m = 20.0 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	99.99 m = 328.1 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]						
Minimum lateral underclearance on right	99.9 = Unlimited	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	0	Roadway improvement cost	0
Length of structure improvement	27.4 m = 89.9 ft	Total project cost	
Year of improvement cost estimate	1995		
Border bridge - state		Border bridge - percent responsibility of other state	0
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	Not Applicable [N]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		

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	Meets minimum tolerable limits to be left in place as is [4]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	18.5

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	

Inspection date	March 1997 [0397]	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	