

# HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

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

Wisconsin [55]	Rock County [105]	Turtle [81050]	0.1M N JCT CTH S	42-33-56 = 42.565556	088-57-53 = - 88.964722
P53016200000000	Highway agency district 1	Owner Town or Township Highway Agency [03]	Maintenance responsibility	Town or Township Highway Agency [03]	
Route 0	North [1]	LRD LATHERS RD	Toll On free road [3]	Features intersected TURTLE CREEK	
Design - main 1	Steel [3]	Design - approach 0	Other [00]	Kilometerpoint 0 km = 0.0 mi	
	Truss - Thru [10]			Year built 1887	Year reconstructed N/A [0000]
				Skew angle 0	Structure Flared
				Historical significance Bridge is eligible for the NRHP. [2]	
Total length 44.9 m = 147.3 ft	Length of maximum span 43.1 m = 141.4 ft	Deck width, out-to-out 4.9 m = 16.1 ft	Bridge roadway width, curb-to-curb 4.3 m = 14.1 ft		
Inventory Route, Total Horizontal Clearance 6.7 m = 22.0 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	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length 0.3 km = 0.2 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating 6.5 metric ton = 7.2 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating 11.3 metric ton = 12.4 tons
Bridge posting 20.0 - 29.9 % below [2]	Design Load		

### Functional Details

Average Daily Traffic	450	Average daily truck traffi	0	%	Year	2008	Future average daily traffic	193	Year	2029
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	6.7 m = 22.0 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	0 m = 0.0 ft					Minimum vertical clearance over bridge roadway	4.74 m = 15.6 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 owner's forces [2]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	438000	Roadway improvement cost	43000
	Length of structure improvement	49.4 m = 162.1 ft	Total project cost	657000
	Year of improvement cost estimate	2010		
	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 - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	19.1
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 2010 [0510]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2010 [0510]
Other special inspection	Not needed [N]	Other special inspection date	