HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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

Wisconsin [55]	Crawford County [023]	Freeman [27700]	2.2M E IOWA STATE LINE	43-23-25 = 43.390278	091-10-50 = -91.180556

B12000500000000	Highway agency district: 5	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		

Route: 82	East [2]	STH 82	Toll: On free road [3]	Features intersected: BN RR/WINNESHIEK SLOUGH	

Design - main: Steel continuous [4]	Design - approach: Steel [3]	Kilometerpoint: 0 km = 0.0 mi			
3	Truss - Deck [09]	1	Stringer/Multi-beam or girder [02]	Year built: 1956	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 194.9 m = 639.5 ft	Length of maximum span: 51.8 m = 170.0 ft	Deck width, out-to-out: 8.7 m = 28.5 ft	Bridge roadway width, curb-to-curb: 7.9 m = 25.9 ft				
Inventory Route, Total Horizontal Clearance: 9.8 m = 32.2 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: Low slump Concrete [4]							
Deck protection:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length: 11.4 km = 7.1 mi	Method to determine inventory rating: Load Factor(LF) [1]	Inventory rating: 25.9 metric ton = 28.5 tons			
	Method to determine operating rating: Load Factor(LF) [1]	Operating rating: 40.5 metric ton = 44.6 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: M 18 / H 20 [4]			

Functional Details

Average Daily Traffic	2357	Average daily truck traffi	8 %	Year	2008	Future average daily traffic	3350
Year	2029						
Road classification	Minor Arterial (Rural) [06]	Lanes on structure	2	Approach roadway width	9.8 m = 32.2 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	Railroad-waterway [7]	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	99.99 m = 328.1 ft				
Minimum lateral underclearance reference feature	Railroad beneath structure [R]						
Minimum lateral underclearance on right	3.2 m = 10.5 ft	Minimum lateral underclearance on left	7.5 m = 24.6 ft				
Minimum Vertical Underclearance	7.1 m = 23.3 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]				
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]						

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 owner's forces [2]		
Bridge improvement cost	2474000	Roadway improvement cost	247000
Length of structure improvement	199.3 m = 653.9 ft	Total project cost	3711000
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	Open, no restriction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Good [7]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Fair [5]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	46.6
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			
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]		
Inspection date	November 2010 [1110]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	November 2010 [1110]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2009 [0909]
Other special inspection	Not needed [N]	Other special inspection date	