HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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

Illinois [17]	Iroquois County [075]	Fountain Creek [27286]	1.1 MI S. CH 10	40-32-33 = 40.5	087-50-25 = -87.8

38414209105	Highway agency district: 3	Owner: Town or Township Highway Agency [03]	Maintenance responsibility: Town or Township Highway Agency [03]		

Route: 168		TR 168	Toll: On free road [3]	Features intersected: WHISKEY CR	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 342.7 km = 212.5 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1929	Year reconstructed: #Num!
				Skew angle: 60	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 23.5 m = 77.1 ft	Length of maximum span: 21.3 m = 69.9 ft	Deck width, out-to-out: 5.5 m = 18.0 ft	Bridge roadway width, curb-to-curb: 5.1 m = 16.7 ft		
Inventory Route, Total Horizontal Clearance: 5 m = 16.4 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: Monolithic Concrete (concurrently placed with structural deck) [1]

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: 12.6 metric ton = 13.9 tons		
	Method to determine operating rating: Allowable Stress(AS) [2]		Operating rating: 23.4 metric ton = 25.7 tons		
	Bridge posting: 30.0 - 39.9 % below [1]		Design Load:		

Functional Details

Average Daily Traffic	25	Average daily truck traffi		%	Year 2009	Future average daily traffic 26	Year 2032
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	7.3 m = 24.0 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	147000	Roadway improvement cost	15000
Length of structure improvement	30.5 m = 100.1 ft	Total project cost	221000
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	Satisfactory [6]	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 assessed or calculated scour condition. [5]
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]

Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	44.3

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

Traffic safety features - railings	
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	Inpected feature meets currently acceptable standards. [1]

Inspection date	September 2010 [0910]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	February 2012 [0212]
Other special inspection	Not needed [N]	Other special inspection date	