

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Iowa [19] Butler County [023] Unknown [00000] 901814 42-36-20 = 42.605556 092-56-50 = - 92.947222

87210 Highway agency district 2 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 0 LOCAL Toll On free road [3] Features intersected BEAVER CREEK

Design - main Steel [3] Design - approach Wood or timber [7] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 2 Stringer/Multi-beam or girder [02] Year built 1910 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is possibly eligible for the NRHP. [3]

Total length 42.1 m = 138.1 ft Length of maximum span 30.2 m = 99.1 ft Deck width, out-to-out 4.9 m = 16.1 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 Bituminous [6]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.5 km = 0.3 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 0.9 metric ton = 1.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 7.2 metric ton = 7.9 tons

Bridge posting Design Load

Functional Details

Average Daily Traffic	20	Average daily truck traffi	0	%	Year	2005	Future average daily traffic	26	Year	2029
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	0 m = 0.0 ft				Minimum vertical clearance over bridge roadway	4.04 m = 13.3 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 contract [1]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	165000	Roadway improvement cost	5000						
	Length of structure improvement	50 m = 164.1 ft		Total project cost	170000					
	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 - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
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	18.9
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	April 2009 [0409]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [N00]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2009 [0409]
Other special inspection	Every year [Y12]	Other special inspection date	April 2009 [0409]