

# HistoricBridges.org - National Bridge Inventory Data Sheet

2015 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

Missouri [29]	Pike County [163]	Buffalo [09604]	S 20 T 54 N R 1 W	39-26-41.12 = 39.444756	091-02-33.90 = -91.042750
5837	Highway agency district: 2	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route 79	MO 79 S	Toll On free road [3]	Features intersected NOIX CR		
Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint 5505.4 km = 3413.3 mi	
1	Truss - Thru [10]	3	Stringer/Multi-beam or girder [02]	Year built 1935	Year reconstructed N/A [0000]
				Skew angle 47	Structure Flared
				Historical significance	Bridge is possibly eligible for the NRHP. [3]
Total length	66.1 m = 216.9 ft	Length of maximum span	30.8 m = 101.1 ft	Deck width, out-to-out	13 m = 42.7 ft
Inventory Route, Total Horizontal Clearance	7.3 m = 24.0 ft	Curb or sidewalk width - left	2.4 m = 7.9 ft	Curb or sidewalk width - right	2.4 m = 7.9 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface	Built-up [1]				

## Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	9.9 metric ton = 10.9 tons
6 km = 3.7 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	23.4 metric ton = 25.7 tons
	Bridge posting	10.0 - 19.9 % below [3]	Design Load	M 13.5 / H 15 [2]

### Functional Details

Average Daily Traffic	3076	Average daily truck traffi	11	%	Year	2013	Future average daily traffic	4767	Year	2035
Road classification	Minor Arterial (Rural) [06]		Lanes on structure	2		Approach roadway width	6.7 m = 22.0 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	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	971000	Roadway improvement cost	97000
	Length of structure improvement	7.7 m = 25.3 ft	Total project cost	1457000
	Year of improvement cost estimate	2015		
	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

Poor [4]

Appraisal ratings -  
roadway alignment

Equal to present minimum criteria [6]

Condition ratings - substructure

Fair [5]

Appraisal ratings -  
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Serious [3]

Scour

Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]

Channel and channel protection

Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

2

Culverts

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

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Inspected feature meets currently acceptable standards. [1]

Traffic safety features - approach guardrail ends

Inspection date

May 2014 [0514]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every year [Y12]

Fracture critical inspection date

May 2014 [0514]

Other special inspection

Not needed [N]

Other special inspection date