

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	
Missouri [29]	Cooper County [053]
Pilot Grove [57620]	S 10 T 48 N R 18 W
5726	Highway agency district 5
Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]
Route 41	MO 41 S
Toll On free road [3]	Features intersected LAMINE RVR
Design - main Steel [3]	Design - approach Steel [3]
1	Truss - Thru [10]
5	Truss - Thru [10]
Kilometerpoint 7128.6 km = 4419.7 mi	Year built 1933
Year reconstructed N/A [0000]	Skew angle 0
Structure Flared	Historical significance Bridge is possibly eligible for the NRHP. [3]
Total length 159.4 m = 523.0 ft	Length of maximum span 61.3 m = 201.1 ft
Deck width, out-to-out 7.4 m = 24.3 ft	Bridge roadway width, curb-to-curb 6.7 m = 22.0 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 Concrete Cast-in-Place [1]
Type of wearing surface Bituminous [6]	Deck protection
Type of membrane/wearing surface	

Weight Limits	
Bypass, detour length 3.5 km = 2.2 mi	Method to determine inventory rating Allowable Stress(AS) [2]
Inventory rating 10 metric ton = 11.0 tons	Method to determine operating rating Allowable Stress(AS) [2]
Operating rating 20 metric ton = 22.0 tons	Bridge posting 00.1 - 09.9 % below [4]
Design Load M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	1292	Average daily truck traffi	10	%	Year	2009	Future average daily traffic	1744	Year	2031
Road classification	Major Collector (Rural) [07]	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	4.98 m = 16.3 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	2436000	Roadway improvement cost	243000						
	Length of structure improvement	16.7 m = 54.8 ft		Total project cost	3654000					
	Year of improvement cost estimate	2011								
	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

Satisfactory [6]

Appraisal ratings - deck geometry

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - deck

Poor [4]

Scour

Bridge is scour critical; bridge foundations determined to be unstable. [3]

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

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

4

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

Inspected feature meets currently acceptable standards. [1]

Inspection date

October 2010 [1010]

Designated inspection frequency

12

Months

Underwater inspection

Unknown [Y60]

Underwater inspection date

August 2008 [0808]

Fracture critical inspection

Every year [Y12]

Fracture critical inspection date

April 2010 [0410]

Other special inspection

Not needed [N]

Other special inspection date