

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]	Shelby County [205]	Salt River [65666]	S 36 T 57 N R 10 W	39-42-10 = 39.702778	091-58-35 = - 91.976389
21452	Highway agency district 3	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 307	COUNTY RD 453	Toll On free road [3]	Features intersected	CREEK	
Design - main Steel [3]	Design - approach	Kilometerpoint 80.5 km = 49.9 mi	Year built 1910	Year reconstructed N/A [0000]	
1	Truss - Thru [10]	0	Other [00]	Skew angle 0	Structure Flared
		Historical significance Historical significance is not determinable at this time. [4]			
Total length 8.8 m = 28.9 ft	Length of maximum span 8.5 m = 27.9 ft	Deck width, out-to-out 3.7 m = 12.1 ft	Bridge roadway width, curb-to-curb 3.3 m = 10.8 ft		
Inventory Route, Total Horizontal Clearance 3.3 m = 10.8 ft	Curb or sidewalk width - left 0.1 m = 0.3 ft	Curb or sidewalk width - right 0.1 m = 0.3 ft			
Deck structure type	Wood or Timber [8]				
Type of wearing surface	Wood or Timber [7]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0.8 km = 0.5 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	5.4 metric ton = 5.9 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	8.1 metric ton = 8.9 tons
Bridge posting		Design Load		

### Functional Details

Average Daily Traffic	15	Average daily truck traffi	10	%	Year	2010	Future average daily traffic	19	Year	2030
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	4.9 m = 16.1 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	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	108000	Roadway improvement cost	10000						
	Length of structure improvement	1.5 m = 4.9 ft		Total project cost	163000					
	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	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
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	18.9
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required. [N]		
Inspection date	May 2010 [0510]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2010 [0510]
Other special inspection	Not needed [N]	Other special inspection date	