HistoricBridges.org - National Bridge Inventory Data Sheet

2015 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

Arkansas [05]	Pulaski County [119]	Unknown [39020]	SH 10 @ U.P.R.R.	34-45-08.80 = 3	092-17-00.10 = -9

#Num!	Highway agency district: 6	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]

Route	10	West [4]	SH 10 WB Log 15.10	Toll	On free road [3]

Features intersected: UNION PACIFIC RR

Design - main	Concrete [1]	Design - approach	Concrete [1]
1	Arch - Thru [12]	2	Girder and floorbeam system [03]

Kilometerpoint: 2429.1 km = 1506.0 mi

Year built: 1927 Year reconstructed:

Skew angle: 0 Structure Flared:

Historical significance: Bridge is on the NRHP. [1]

Total length	41.2 m = 135.2 ft	Length of maximum span	27.4 m = 89.9 ft	Deck width, out-to-out	9.2 m = 30.2 ft	Bridge roadway width, curb-to-curb	9.1 m = 29.9 ft

Inventory Route, Total Horizontal Clearance	9.2 m = 30.2 ft	Curb or sidewalk width - left	1.7 m = 5.6 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:

Weight Limits

Bypass, detour length: 0.2 km = 0.1 mi

Method to determine inventory rating: Load Factor(LF) [1]

Method to determine operating rating: Load Factor(LF) [1]

Bridge posting: Equal to or above legal loads [5]

Inventory rating: 11.8 metric ton = 13.0 tons

Operating rating: 20 metric ton = 22.0 tons

Design Load: M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	15000	Average daily truck traffi	1 %	Year	2014	Future average daily traffic	20091	Year	2028

Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	9.1 m = 29.9 ft
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	1 - way traffic [1]	Bridge median	
Parallel structure designation	The left structure of parallel bridges. This structure carries traffic in the opposite direction. [L]				
Type of service under bridge	Railroad [2]	Lanes under structure	0	Navigation control	Not applicable, no waterway. [N]
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	5.39 m = 17.7 ft		
Minimum lateral underclearance reference feature	Railroad beneath structure [R]				
Minimum lateral underclearance on right	17.1 m = 56.1 ft	Minimum lateral underclearance on left	4.3 m = 14.1 ft		
Minimum Vertical Underclearance	7.37 m = 24.2 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]		
Appraisal ratings - underclearances	Superior to present desirable criteria [9]				

Repair and Replacement Plans

Type of work to be performed

Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	43.9 m = 144.0 ft	Total project cost	322000
Year of improvement cost estimate			
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	33.5
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	February 2015 [0215]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	