HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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

New Jersey [34]	Salem County [033]	Lower Alloways Creek [4	2.5 MILES SW OF ROUTE 49	39-31-42 = 39.528333	075-27-00 = -75.450000

1701399	Highway agency district: 3	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]

Route	623	CO RT 623	Toll	On free road [3]	Features intersected: ALLOWAY CREEK

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	0 km = 0.0 mi
2	Movable - Swing [17]	1	Truss - Thru [10]	Year built: 1905	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length	46.6 m = 152.9 ft	Length of maximum span	14.9 m = 48.9 ft	Deck width, out-to-out	5.2 m = 17.1 ft	Bridge roadway width, curb-to-curb	4.4 m = 14.4 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	Wood or Timber [7]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	10.9 metric ton = 12.0 tons	
0.3 km = 0.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	19.1 metric ton = 21.0 tons	
	Bridge posting	10.0 - 19.9 % below [3]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	700	Average daily truck traffi	5 %	Year	2001	Future average daily traffic	940
Year	2021						
Road classification	Major Collector (Rural) [07]	Lanes on structure	4	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 control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	1.2 m = 3.9 ft	Navigation horizontal clearance	12.2 m = 40.0 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	5.26 m = 17.3 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]						
Minimum lateral underclearance on right	30.5 m = 100.1 ft	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

Bridge improvement cost	12112000	Roadway improvement cost	230000
Length of structure improvement	55 m = 180.5 ft	Total project cost	13265000
Year of improvement cost estimate	2001		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	
Condition ratings - deck	Satisfactory [6]		

Scour	Bridge with "unknown" foundation that has not been evaluated for scour. [U]
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	In place but in a deteriorated condition [3]	Sufficiency rating	33.1

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	October 2008 [1008]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	August 2001 [0801]
Other special inspection	Not needed [N]	Other special inspection date	