HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]	Essex County [013]	Newark [51000]	1.6 MI W OF 440-1+9 JCT	40-43-58 = 40.732778	074-07-13 = -74.120278

705151	Highway agency district: 1	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 1		US 1&9 TRUCK	Toll: On free road [3]	Features intersected: PASSAIC RVR & LOCAL RDS	

Design - main: Steel [3]	Design - approach: Steel [3]	Kilometerpoint: 90.1 km = 55.9 mi			
1	Movable - Lift [15]	19	Girder and floorbeam system [03]	Year built: 1939	Year reconstructed: 2002
				Skew angle: 0	Structure Flared: Yes, flared [1]
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 611.1 m = 2005.0 ft	Length of maximum span: 101.5 m = 333.0 ft	Deck width, out-to-out: 17 m = 55.8 ft	Bridge roadway width, curb-to-curb: 15.5 m = 50.9 ft		
Inventory Route, Total Horizontal Clearance: 7.8 m = 25.6 ft	Curb or sidewalk width - left: 1 m = 3.3 ft	Curb or sidewalk width - right: 1 m = 3.3 ft			

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Latex Concrete or similar additive [3]
Deck protection	Epoxy Coated Reinforcing [1]
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length: 0.8 km = 0.5 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 29 metric ton = 31.9 tons		
	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 49 metric ton = 53.9 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 18 / H 20 [4]		

Functional Details

Average Daily Traffic	83500	Average daily truck traffi	10 %	Year	2011	Future average daily traffic	100000
Year	2031						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	4	Approach roadway width	15.9 m = 52.2 ft		
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	2 - way traffic [2]	Bridge median	Closed median with non-mountable bar		
Parallel structure designation	No parallel structure exists. [N]						
Type of service under bridge	Highway-waterway [6]	Lanes under structure	6	Navigation control	Navigation control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	41.1 m = 134.8 ft	Navigation horizontal clearance	91.4 m = 299.9 ft				
Minimum navigation vertical clearance, vertical lift bridge	10.7 m = 35.1 ft	Minimum vertical clearance over bridge roadway	4.85 m = 15.9 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]						
Minimum lateral underclearance on right	2.9 m = 9.5 ft	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	4.88 m = 16.0 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]				
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]						

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost

Roadway improvement cost

Length of structure improvement: 0 m = 0.0 ft

Total project cost

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	Equal to present minimum criteria [6]
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
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 foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]		
Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	
Pier or abutment protection	In place but in a deteriorated condition [3]	Sufficiency rating	59
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	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	June 2011 [0611]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	June 2011 [0611]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	June 2011 [0611]
Other special inspection	Not needed [N]	Other special inspection date	