HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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 York [36]	Tioga County [107]	Owego [55893]	0.6 MI SE OF APALACHIN	42-03-44 = 42.062222	076-08-56 = -76.148889

2218760	Highway agency district	97	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]

Route	0	MAIN STREET	Toll	On free road [3]	Features intersected	APALACHIN CREEK

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1929
				Year reconstructed	2002
				Skew angle	26
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length	40.2 m = 131.9 ft	Length of maximum span	39.6 m = 129.9 ft	Deck width, out-to-out	9.8 m = 32.2 ft	Bridge roadway width, curb-to-curb	8.3 m = 27.2 ft

Inventory Route, Total Horizontal Clearance	8.3 m = 27.2 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	Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length		Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	35.4 metric ton = 38.9 tons
0.4 km = 0.2 mi		Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	52.6 metric ton = 57.9 tons
		Bridge posting	Equal to or above legal loads [5]	Design Load	

Functional Details

Average Daily Traffic	1290	Average daily truck traffi	5 %	Year	2008	Future average daily traffic	1290
Year	2028						
Road classification	Collector (Urban) [17]	Lanes on structure	2	Approach roadway width	7.6 m = 24.9 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	3.6 m = 11.8 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]						
Minimum lateral underclearance on right	99.9 = Unlimited	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

Widening of existing bridge with deck rehabilitation or replacement. [34]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	184000	Roadway improvement cost	110000
Length of structure improvement	40.2 m = 131.9 ft	Total project cost	294000
Year of improvement cost estimate	2009		
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 desirable criteria [8]
Condition ratings - superstructur	Very Good [8]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Excellent [9]		
Scour	Countermeasures have been installed to mitigate an existing problem with scour. [7]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Meets minimum tolerable limits to be left in place as is [4]	Status evaluation	
Pier or abutment protection		Sufficiency rating	78
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			
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]		
Inspection date	July 2008 [0708]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	October 2009 [1009]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2008 [0708]
Other special inspection	Not needed [N]	Other special inspection date	