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]	Tompkins County [109]	Groton [30972]	4.2 MILES NORTH OF MCLEAN	42-36-56 = 42.615556	076-17-15 = -76.287500

3314230	Highway agency district 36	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]

Route 0		GROTON CITY ROAD	Toll	On free road [3]	Features intersected FALL CREEK

Design - main	Aluminum, Wrought Iron or Cast Iron [9]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built #Num!	Year reconstructed 1947
				Skew angle 0	Structure Flared
				Historical significance	Historical significance is not determinable at this time. [4]

Total length	22.2 m = 72.8 ft	Length of maximum span	21.3 m = 69.9 ft	Deck width, out-to-out	4.2 m = 13.8 ft	Bridge roadway width, curb-to-curb	3.9 m = 12.8 ft
Inventory Route, Total Horizontal Clearance	3.9 m = 12.8 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Open Grating [3]
Type of wearing surface	Other [9]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	15.4 metric ton = 16.9 tons	
0.3 km = 0.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	23.6 metric ton = 26.0 tons	
	Bridge posting	10.0 - 19.9 % below [3]	Design Load	M 18 / H 20 [4]	

Functional Details

Average Daily Traffic	183	Average daily truck traffi	6 %	Year	2009	Future average daily traffic	230
Year	2029						
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	4.8 m = 15.7 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	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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	618000	Roadway improvement cost	414000
Length of structure improvement	22.2 m = 72.8 ft	Total project cost	1032000
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	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Serious [3]	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 the assessed or calculated scour condition. [8]		
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	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	20.6
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			
Traffic safety features - approach guardrail ends			

Inspection date	June 2009 [0609]	Designated inspection frequency	12	Months
Underwater inspection	Not needed [N]	Underwater inspection date		
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	June 2009 [0609]	
Other special inspection	Not needed [N]	Other special inspection date		