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]	Dryden [20962]	AT VARNA	42-27-24 = 42.456667	076-26-18 = -76.438333

3209800	Highway agency district	36	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]

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

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
2	Truss - Thru [10]	0	Other [00]	Year built	1920
				Year reconstructed	1952
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length	50.5 m = 165.7 ft	Length of maximum span	24.3 m = 79.7 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	No rating analysis performed [5]	Inventory rating	14 metric ton = 15.4 tons
0.1 km = 0.1 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	14 metric ton = 15.4 tons
	Bridge posting	10.0 - 19.9 % below [3]	Design Load	

Functional Details

Average Daily Traffic	2107	Average daily truck traffi	5 %	Year	2000	Future average daily traffic	2646	Year	2020

Road classification	Local (Urban) [19]	Lanes on structure	1	Approach roadway width	5.7 m = 18.7 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

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

Work done by	Work to be done by contract [1]		
Bridge improvement cost	535000	Roadway improvement cost	319000
Length of structure improvement	50.5 m = 165.7 ft	Total project cost	854000
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		

Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]

Appraisal ratings - water adequacy	Meets minimum tolerable limits to be left in place as is [4]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	23.4

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	

Inspection date	September 2009 [0909]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	September 2009 [0909]
Other special inspection	Not needed [N]	Other special inspection date	