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]	1.6 MI SW OF MCLEAN	42-32-01 = 42.533611	076-18-39 = -76.310833

3209780	Highway agency district	36	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route	0		W MALLORYVILLE RD	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	1915
				Year reconstructed	1973
				Skew angle	20
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length	20.7 m = 67.9 ft	Length of maximum span	19.5 m = 64.0 ft	Deck width, out-to-out	4.9 m = 16.1 ft	Bridge roadway width, curb-to-curb	4.7 m = 15.4 ft
Inventory Route, Total Horizontal Clearance	4.7 m = 15.4 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	17.2 metric ton = 18.9 tons	
0.1 km = 0.1 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	26.3 metric ton = 28.9 tons	
	Bridge posting	10.0 - 19.9 % below [3]	Design Load		

Functional Details

Average Daily Traffic	239	Average daily truck traffi	6 %	Year	2009	Future average daily traffic	300	Year	2029

Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	4.2 m = 13.8 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	256000	Roadway improvement cost	153000
Length of structure improvement	20.7 m = 67.9 ft	Total project cost	409000
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	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		

Scour	Bridge is scour critical; field review indicates that extensive scour has occurred at bridge foundations. [2]
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	Meets minimum tolerable limits to be left in place as is [4]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	35.7

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	August 2009 [0809]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	August 2009 [0809]
Other special inspection	Not needed [N]	Other special inspection date	