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 York [36]	Erie County [029]	Eden [23415]	5.6 MI SW JCT RTS 20 + 75	42-41-46 = 42.696111	078-56-07 = -78.935278

1015450	Highway agency district: 53	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 20		RTE 20	Toll: On free road [3]	Features intersected: EIGHTEENMILE CRK	

Design - main: Concrete continuous [2]		Design - approach:		Kilometerpoint: 1995.2 km = 1237.0 mi	
5	Arch - Deck [11]	0	Other [00]	Year built: 1929	Year reconstructed: 2000
				Skew angle: 0	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 126.8 m = 416.0 ft	Length of maximum span: 44.8 m = 147.0 ft	Deck width, out-to-out: 18.1 m = 59.4 ft	Bridge roadway width, curb-to-curb: 17 m = 55.8 ft		
Inventory Route, Total Horizontal Clearance: 17 m = 55.8 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft			
Deck structure type: Concrete Cast-in-Place [1]					
Type of wearing surface: Monolithic Concrete (concurrently placed with structural deck) [1]					
Deck protection: Epoxy Coated Reinforcing [1]					
Type of membrane/wearing surface:					

Weight Limits

Bypass, detour length: 0.6 km = 0.4 mi	Method to determine inventory rating: No rating analysis performed [5]		Inventory rating: 32.6 metric ton = 35.9 tons		
	Method to determine operating rating: No rating analysis performed [5]		Operating rating: 79.9 metric ton = 87.9 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: MS 18 / HS 20 [5]		

Functional Details

Average Daily Traffic	12000	Average daily truck traffi	5 %	Year	2010	Future average daily traffic	12120	Year	2031

Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	17 m = 55.8 ft
Type of service on bridge	Highway [1]	Direction of traffic	2 - way traffic [2]	Bridge median	Closed median (no barriers) [2]
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	93000	Roadway improvement cost	54000
Length of structure improvement	126.8 m = 416.0 ft	Total project cost	147000
Year of improvement cost estimate	2011		
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 - superstructure	Very Good [8]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry	Superior to present desirable criteria [9]
Condition ratings - deck	Very Good [8]		

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	Equal to present minimum criteria [6]	Status evaluation	
Pier or abutment protection		Sufficiency rating	96.6

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	September 2010 [0910]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	