

HistoricBridges.org - National Bridge Inventory Data Sheet

2009 Inventory

The National Bridge Inventory contains data submitted by state transportation 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

Michigan [26]	Wayne County [163]	Detroit [22000]	DETROIT	S/I-96	42-23-00 = 42.383333	083-15-32 = - 83.258889
82200174000B020	Highway agency district 7	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]		
Route 2000		OUTER DRIVE	Toll On free road [3]	Features intersected	UPPER ROUGE RIVER	
Design - main Concrete [1]	Design - approach		Kilometerpoint 778.9 km = 482.9 mi	Year built 1927	Year reconstructed N/A [0000]	
2	Tee beam [04]	0	Other [00]	Skew angle 0	Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length 29.2 m = 95.8 ft	Length of maximum span 14 m = 45.9 ft	Deck width, out-to-out 25 m = 82.0 ft	Bridge roadway width, curb-to-curb 18.3 m = 60.0 ft			
Inventory Route, Total Horizontal Clearance 23.7 m = 77.8 ft	Curb or sidewalk width - left 2.7 m = 8.9 ft	Curb or sidewalk width - right 2.7 m = 8.9 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 0.6 km = 0.4 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	45.5 metric ton = 50.1 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	61.8 metric ton = 68.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18+Mod / HS 20+Mod [6]	

Functional Details

Average Daily Traffic	11104	Average daily truck traffi	5	%	Year	1996	Future average daily traffic	11871	Year	2015
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	4		Approach roadway width	18.3 m = 60.0 ft			
Type of service on bridge	Highway-pedestrian [5]		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	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

Work done by

Bridge improvement cost

Roadway improvement cost

Length of structure improvement

Total project cost

Year of improvement cost estimate

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 minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
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	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	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	92.8
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	May 2008 [0508]	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	