HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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

Michigan [26]	Chippewa County [033]	Sault Ste. Marie [71740]	IN SAULT STE MARIE	46-29-54 = 46.498333	084-21-50 = -84.363889

17117032000B030 | Highway agency district: 1 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01]

Route: 75 | I-75 BS(PORTAGE) | Toll: On free road [3] | Features intersected: POWER CANAL

Design - main	Steel [3]	Design - approach	
1	Arch - Thru [12]	0	Other [00]

Kilometerpoint: 35.4 km = 21.9 mi

Year built: 1970 | Year reconstructed: 1987

Skew angle: 0 | Structure Flared:

Historical significance: Bridge is not eligible for the NRHP. [5]

Total length: 80.7 m = 264.8 ft | Length of maximum span: 80.7 m = 264.8 ft | Deck width, out-to-out: 18.7 m = 61.4 ft | Bridge roadway width, curb-to-curb: 13.7 m = 44.9 ft

Inventory Route, Total Horizontal Clearance: 13.7 m = 44.9 ft | Curb or sidewalk width - left: 1.4 m = 4.6 ft | Curb or sidewalk width - right: 1.4 m = 4.6 ft

Deck structure type: Concrete Cast-in-Place [1]

Type of wearing surface: Latex Concrete or similar additive [3]

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 0.2 km = 0.1 mi

Method to determine inventory rating: Allowable Stress(AS) [2] | Inventory rating: 32.7 metric ton = 36.0 tons

Method to determine operating rating: Allowable Stress(AS) [2] | Operating rating: 73.6 metric ton = 81.0 tons

Bridge posting: Equal to or above legal loads [5] | Design Load: MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	4500	Average daily truck traffi	6 %	Year	1995	Future average daily traffic	22880
Year	2013						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	14.6 m = 47.9 ft		
Type of service on bridge	Highway [1]	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	0 m = 0.0 ft	Minimum vertical clearance over bridge roadway	5.26 m = 17.3 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	5.25 m = 17.2 ft	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	Better than present minimum criteria [7]
Condition ratings - superstructure	Good [7]	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	Good [7]		

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	Superior to present desirable criteria [9]	Status evaluation	
Pier or abutment protection		Sufficiency rating	88.6

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	

Inspection date	May 2008 [0508]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Unknown [Y15]	Fracture critical inspection date	June 2008 [0608]
Other special inspection	Not needed [N]	Other special inspection date	