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 Inform	nation									45-19-07 =	085-15-31 = -
Michigan [26]	Michigan [26] Charlevoix County [029]			Charlev	Charlevoix [14780] IN CHARLEVOIX			45.318611	85.258611		
15115012000B010 Highway agency distr			cy district 2	Owner	Owner State Highway Agency [01] Maintenance responsibili			e responsibility	State Highway Agency [01]		
Route 31 US-31					Toll On free road [3] Features intersected ISLAND LAK				KE OUTLET		
Design - main Steel [3] Movable - Bascule [16]		approach	Steel [3] Stringer/Multi-beam or girder [02]		Kilometerp Year built Skew angl Historical	1949 e 0	1949 Year reconstructed 1992 O Structure Flared				
Total length 67.9 m = 222.8 ft Length of maximum span 33.8 m = 110.9 ft Deck width, out-to-out 17.6 m = 57.7 ft Bridge roadway width, curb-to-curb 13.4 m = 44.0 ft Inventory Route, Total Horizontal Clearance 17 m = 55.8 ft Curb or sidewalk width - left 1.6 m = 5.2 ft Curb or sidewalk width - right 1.6 m = 5.2 ft											
Deck structure type Type of wearing surface Deck protection Open Grating [3] Other [9]											
Type of membrane/wearing surface											
Weight Limits											
31	Bypass, detour length 5.5 km = 3.4 mi Method to determine inventory r Method to determine operating r				, ,,,			nventory rating Operating rating	30 metric ton = 64.5 metric ton		
Bridge posting Equal to or above legal loads [5]						Design Load M 18 / H 20 [4]					

Functional Details									
Average Daily Traffic 15896 Average daily to	uck traffi 4 % Year 2007 Future average daily traffic 16391 Year 2018								
Road classification	[02] Lanes on structure 4 Approach roadway width 13.4 m = 44.0 ft								
Type of service on bridge Highway-pedestrian [5]	Direction of traffic 2 - way traffic [2] Bridge median								
Parallel structure designation No parallel structure	e exists. [N]								
Type of service under bridge Waterway [5]	Lanes under structure 0 Navigation control Navigation control on waterway (bridge permit required). [1]								
Navigation vertical clearance 5 m = 16.4 ft Navigation horizontal clearance 27 m = 88.6 ft									
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 rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost Roadway improvement cost								
doterioration of madoquate strongth [66]	Length of structure improvement Total project cost								
	Year of improvement cost estimate 2006								
	Border bridge - state Border bridge - percent responsibility of other state								
	Border bridge - structure number								

Inspection and Suf	ficiency								
Structure status	Open, would be posted or closed except temporary shoring [D]			ppraisal ratings - tructural	Equal to present minimum criteria [6]				
Condition ratings - s	superstructur	Good [7]		ppraisal ratings - padway alignment	Better than	n present minimum ci			
Condition ratings - substructure Satis		Satisfactory [6]		Appraisal ratings -	Basically in				
Condition ratings - deck		Good [7]	(deck geometry					
Scour		Countermeasu	Countermeasures have been installed to mitigate an existing problem with scour. [7]						
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		Better than pr	Better than present minimum criteria [7]			Status evaluation	Functionally obsolete [[2]	
Pier or abutment protection		In place and f	In place and functioning [2]			Sufficiency rating	59.7		
Culverts Not applicable. Used if structure is not a culvert. [N]									
Traffic safety feature	res - railings		Inpected feature	meets currently acceptable standards. [1]					
Traffic safety feature	res - transitior	ns	Inpected feature	ture meets currently acceptable standards. [1]					
Traffic safety features - approach guardrail Inpected features				ture meets currently acceptable standards. [1]					
Traffic safety features - approach guardrail ends Inpected feature meets currently acceptable standards. [1]									
Inspection date April 2009 [0409] Designated inspection frequency 15 Months									
Underwater inspection Unknown [Y60]				Underwater inspection date		August 2005 [08	August 2005 [0805]		
Fracture critical in	spection	Unknown [Y15]	n [Y15] Fracture critical ins		spection date	date April 2009 [0409]			
Other special insp	ection	Not needed [N]		Other special insp	ection date				