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							43-24-35 =	086-20-57 = -	
Michigan [26] Muskegon County [121]		Whitehall [86780] [IN WHITEHALL		43.409722	86.349167				
61161073000R010 Highway agency district: 3		Owner State Highway	Owner State Highway Agency [01] Maintenance responsibility		State Highway Ag	ency [01]			
Route 31 US-31 BR			Toll On fr	ee road [3]	Features intersed	cted CSX RR			
Design - Steel [3] main 1 Stringer/M	ulti-beam or girder [02	Design - approach Other	· [00]	Kilometerpoint Year built 193 Skew angle 0 Historical signific	Structure F	constructed N/A	[0000] he NRHP. [5]		
Total length 6.7 m = 22.0 ft Length of maximum span 6.7 m = 22.0 ft Deck width, out-to-out 21.8 m = 71.5 ft Bridge roadway width, curb-to-curb 16.5 m = 54.1 ft									
Inventory Route, Total Horizontal Clearance 20.7 m = 67.9 ft			ft Curb or sidewalk width - left 2.1 m = 6.9 ft Curb or side		ewalk width - right	2.1 m = 6.9 ft			
Deck structure type Concrete Cast-in-Place			ce [1]						
Type of wearing surface Bituminous [6]		Bituminous [6]							
Deck protection									
Type of membrane/w	earing surface								
Weight Limits									
Bypass, detour length Method to determine inventory rating		Allowable Stress(AS) [2]		Inventory rating	28.2 metric ton	= 31.0 tons			
0.5 km = 0.3 mi	0.5 km = 0.3 mi Method to determine operating rating		Allowable Stress(AS) [2]		Operating rating 50.9 metric ton = 56.0 tons				
Bridge posting Equal to or above lega			egal loads [5]	l loads [5]		Design Load M 13.5 / H 15 [2]			

Functional Details									
Average Daily Traffic 12781 Average daily tr	ruck traffi 3 % Year 2007 Future average daily traffic 14981 Year 2018								
Road classification) [02] Lanes on structure 4 Approach roadway width 16.5 m = 54.1 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 Railroad [2]	Lanes under structure 0 Navigation control Not applicable, no waterway. [N]								
Navigation vertical clearance 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 99.99 m = 328.1 ft									
Minimum lateral underclearance reference feature Railroad beneath structure [R]									
Minimum lateral underclearance on right 1.5 m = 4.9 ft Minimum lateral underclearance on left 0 = N/A									
Minimum Vertical Underclearance 0 = N/A Minimum vertical underclearance reference feature Railroad beneath structure [R]									
Appraisal ratings - underclearances N/A [N]									
Repair and Replacement Plans									
Type of work to be performed	Work done by Work to be done by contract [1]								
Bridge deck replacement with only incidental									
widening. [37]	Bridge improvement cost 0 Roadway improvement cost 0								
	Length of structure improvement 6.7 m = 22.0 ft Total project cost 0								
	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 res	striction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]				
Condition ratings - superstructure Fair [5]		Appraisal ratings - roadway alignment	Equal to present desirable crite	eria [8]			
Condition ratings - substructure	Fair [5]	Appraisal ratings -	Meets minimum tolerable limits to be left in place as is [4]				
Condition ratings - deck Serious [3]		deck geometry					
Scour	Bridge not over waterway. [N]						
Channel and channel protection	Not applicable. [N]						
Appraisal ratings - water adequac	cy N/A [N]		Status evaluation	Structurally deficient [1]			
Pier or abutment protection			Sufficiency rating	56			
	if structure is not a culvert. [N]						
Traffic safety features - railings							
Traffic safety features - transition							
Traffic safety features - approach							
Traffic safety features - approach		ction frequency 12	Months				
Inspection date August 2008							
Underwater inspection Not needed [N]		Underwater inspe					
Fracture critical inspection	Not needed [N]	Fracture critical in					
Other special inspection	Not needed [N]	Other special insp	ection date				