## HistoricBridges.org - National Bridge Inventory Data Sheet

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	n									42-52-12 =	085-51-44 = -
Michigan [26] Ottawa County [139]			Hudson	Hudsonville [39800] 4.9 MI SW OF KENT CO LINE				42.870000	85.862222		
70170023000B060 Highway agency district: 3			Owner	Owner State Highway Agency [01] Maintenance responsibility				State Highway Ag	ency [01]		
Route 121 M-121				Toll On free road [3] Features intersected BUTTERMIL					MILK CREEK		
Design - main  Steel [3] Design - approach  Stringer/Multi-beam or girder [02] 0			approach	Kilometerpoint 1271.7 km = 788.5 mi  Year built 1949 Year reconstructed N/A [0000]  Skew angle 0 Structure Flared  Historical significance Bridge is not eligible for the NRHF							
Total length 10.6 m = 34.8 ft Length of maximum span 10.6 m = 34.8 ft Deck width, out-to-out 41.7 m = 136.8 ft Bridge roadway width, curb-to-curb 37.2 m = 122.1 ft											
Inventory Route, Total Horizontal Clearance 30.4 m = 99.7 ft				ft Curb or sidewalk width - left 1.8 m			1.8 m =	5.9 ft	Curb or s	sidewalk width - right	1.8 m = 5.9 ft
Deck structure type Concrete Cast-in-Place [1]											
Type of wearing surface Monolithic Concrete (concurren				tly placed with str	uctural deck	) [1]					
Deck protection											
Type of membrane/wearing surface											
Weight Limits											
			rmine inventory rating		Allowable Stress(AS) [2]		1	Inventory rating	59.1 metric to	on = 65.0 tons	
0.3 km = 0.2 mi Method to dete		ethod to determine	rmine operating rating		Allowable Stress(AS) [2]			Operating rating	99.9 metric to	on = 109.9 tons	
Bridge posting Equal to or above			e legal loads	egal loads [5]			Design Load MS 18 / HS 20 [5]				

Functional Details								
Average Daily Traffic 12246 Average daily	truck traffi 9 % Year 2007 Future average daily traffic 18214 Year 2018							
Road classification Major Collector (Rural) [07]	Lanes on structure 6 Approach roadway width 38.1 m = 125.0 ft							
Type of service on bridge Highway-pedestrian [5]	Direction of traffic 2 - way traffic [2]  Bridge median (no barriers) [2]							
Parallel structure designation No parallel structure	ure 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 Work to be done by contract [1]							
Bridge deck replacement with only incidental widening. [37]	Bridge improvement cost 0 Roadway improvement cost 0							
widerinig. [57]	Length of structure improvement 10.7 m = 35.1 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	triction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]							
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]							
Condition ratings - substructure	Good [7]	Appraisal ratings -	Superior to present desirable criteria [9]							
Condition ratings - deck	Good [7]	deck geometry								
Scour	Bridge is scour critical; bridge	Bridge is scour critical; bridge foundations determined to be unstable. [3]								
Channel and channel protection	Bank protection is being erode channel. [5]	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]								
Appraisal ratings - water adequac	Equal to present desirable cri	iteria [8]	Status evaluation							
Pier or abutment protection			Sufficiency rating 90.2							
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 inspe	ection date							
Fracture critical inspection	Not needed [N]	Fracture critical inspection date								
Other special inspection	Not needed [N]	Other special insp	pection date							