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							43-15-00 =	085-17-52 = -
Michigan [26] Montcalm County [117]		Montcalm [55140] 0.25 MI. E. OF JOHNS		HNSON RD		43.250000	85.297778	
59200007000B010 Highway agency district: 3		Owner County Highway Agency [02] Maintenance responsibility		County Highway A	gency [02]			
Route 5946	SID	NEY RD (CO 510)	Toll On free	e road [3]	Features intersed	cted FLAT RIVER	?	
Design - Steel [3] main Stringer/Mul	ti-beam or girder [0	Design - approach 2] 0 Other	[00]	Kilometerpoint Year built 1931 Skew angle 30 Historical significal	Structure F	constructed N/A		
Total length 19.8 m = Inventory Route, Total		ength of maximum space 6.8 m = 22.3 ft	an 18.9 m = 62.0 ft Curb or sidewalk wie	Deck width, out-t	o-out 8.3 m = 27.2	ft Bridge road	lway width, curb-to-c	0.4 m = 1.3 ft
Deck structure type		Concrete Cast-in-Plac	ce [1]					
Type of wearing surface Bituminous [6]								
Deck protection								
Type of membrane/wea	aring surface							
Weight Limits								
Bypass, detour length 2.4 km = 1.5 mi Method to determine inventory rating Method to determine operating rating				Inventory rating Operating rating	35.6 metric ton = 59.4 metric ton =			
Bridge posting Equal to or above le		al loads [5]		Design Load MS 18+Mod / HS 20+Mod [6]				

Functional Details	
Average Daily Traffic 4780 Average daily tr	uck traffi 0 % Year 2005 Future average daily traffic 7833 Year 2025
Road classification Major Collector (Rural) [07]	Lanes on structure 2 Approach roadway width 9.1 m = 29.9 ft
Type of service on bridge Highway [1]	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 vertical clearanc 0 = N/A	Navigation horizontal clearance 0 = N/A
Minimum navigation vertical clearance, vertical lift brid	Minimum vertical clearance over bridge roadway 99.99 m = 328.1 ft
Minimum lateral underclearance reference feature Fe	eature not a highway or railroad [N]
Minimum lateral underclearance on right 99.9 = Unlin	mited 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]
Replacement of bridge or other structure because of substandard load carrying capacity or substantial	Bridge improvement cost 0 Roadway improvement cost 0
bridge roadway geometry. [31]	Length of structure improvement 19.8 m = 65.0 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 Suf	ficiency								
Structure status	Open, no res	triction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]					
Condition ratings - s	Condition ratings - superstructure Fair [5]		Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]					
Condition ratings - substructure Satis		Satisfactory [6]	Appraisal ratings -	Basically intolerable requiring high priority of replacement [2]					
Condition ratings - deck Poor		Poor [4]	deck geometry						
Scour		Bridge foundation	ons determined to be stable for assess	ed or calculated scour condition.	[5]				
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 pres	sent minimum criteria [7]	Status evaluation	Structurally deficient [1]				
Pier or abutment protection				Sufficiency rating	58.2				
Culverts Not appl	licable. Used i	f structure is not a culv	ert. [N]	<u> </u>					
Traffic safety features - railings									
Traffic safety features - transitions Inpected features			Inpected feature meets currently acce	eptable standards. [1]					
Traffic safety features - approach guardrail Inpected feature			Inpected feature meets currently acce	re meets currently acceptable standards. [1]					
Traffic safety features - approach guardrail ends Inpected features			Inpected feature meets currently acce	ure meets currently acceptable standards. [1]					
Inspection date	September 20	007 [0907] Des	signated inspection frequency 24	Months					
Underwater inspection Not needed [N]			Underwater inspe	ction date					
Fracture critical inspection Not needed [N]			Fracture critical in	spection date					
Other special inspection Not neede		Not needed [N]	Other special insp	pection date					