## 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							46-34-24 =	087-28-09 = -
Michigan [26]	Marquette County [103]		Marquette [51920]	2 MI N OF JCT US41	CO492		46.573333	87.469167
6593 Highway agency district 1		Owner County Highway	Owner County Highway Agency [02] Maintenance res		responsibility	County Highway Agency [02]		
Route 0 HD ROAD			Toll On free road [3] Features intersected DEAD RIVE			ER		
Design - Main  Steel [3]  Truss - Dec	ck [09]	Design - approach Steel  Girde	[3] r and floorbeam system [03]	Year built 1935 Skew angle 0	Structure FI	onstructed ared	11	
Inventory Route, Tota	l Horizontal Clearance	4.8 m = 15.7 ft	an 28.9 m = 94.8 ft  Curb or sidewalk wi	Historical significance  Deck width, out-to-co  idth - left  0 m = 0.0	out 5.1 m = 16.7		dway width, curb-to-cewalk width - right	0 m = 0.0 ft
Deck structure type Type of wearing surfa Deck protection		oncrete Cast-in-Plan	ce [1] concurrently placed with str	uctural deck) [1]				
Type of membrane/we	earing surface							
Weight Limits								
Bypass, detour length  1.3 km = 0.8 mi  Method to determine inventory rating  Method to determine operating rating		Load Factor(LF) [1] Load Factor(LF) [1]		ventory rating perating rating				
Bridge posting Equal to or above legal loads [5]			egal loads [5]	Design Load MS 18+Mod / HS 20+Mod [6]			)+Mod [6]	

Functional Details	
Average Daily Traffic 400 Average daily tr	uck traffi % Year 2001 Future average daily traffic 400 Year 2020
Road classification Local (Rural) [09]	Lanes on structure 2 Approach roadway width 6.4 m = 21.0 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	nited 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 rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost 250000 Roadway improvement cost 25000
actorioration of indacquate strongth. [55]	Length of structure improvement 42.7 m = 140.1 ft Total project cost 295000
	Year of improvement cost estimate 2005
	Border bridge - state  Border bridge - percent responsibility of other state
	Border bridge - structure number

Inspection and Sufficiency									
Open, no restriction [A]		Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]						
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrrective action [3						
Condition ratings - substructure	Fair [5]	Appraisal ratings -	Basically intolerable requiring high priority of replacement [2]						
Condition ratings - deck	Poor [4]	deck geometry							
Scour	, and the second	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]							
Channel and channel protection	Bank is beginning to slump. I minor stream bed movement	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]							
Appraisal ratings - water adequad	Equal to present desirable cri	Equal to present desirable criteria [8]			Structurally deficient [1]				
Pier or abutment protection			S	Sufficiency rating	59.6				
Culverts Not applicable. Used	if structure is not a culvert. [N]								
Traffic safety features - railings									
Traffic safety features - transition	ns								
Traffic safety features - approach guardrail									
Traffic safety features - approach	h guardrail ends								
Inspection date August 2011 [0811] Designated inspection frequency 24 Months									
Underwater inspection	Not needed [N]	Underwater inspection date							
Fracture critical inspection	Every two years [Y24]	two years [Y24] Fracture critical in		August 2011 [0	811]				
Other special inspection	Not needed [N]	Other special insp	ection date						