HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

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 Michigan [26]	Ionia County [067]		Odessa [60200]	1.0 MI W 2.5 MI N I	AKE OD		42-49-35 = 42.826389	085-09-54 = - 85.165000
34310H00014B010 Highway agency district		Owner County Highway Agency [02] Maintenance responsibility		esponsibility	County Highway Agency [02]			
Route 0 CLINTON TRAIL			Toll On free	e road [3]	Features intersect	ed DUCK CREE	K	
Design - Concrete [1] main 1 Tee beam [0]		Design - approach 0 Other	[00]	KilometerpointYear built1928Skew angle0Historical significan	Structure Fla	onstructed N/A [C	- 	
Total length 7 m = 23.0 ft Length of maximum span 6.4 m = 21.0 ft Deck width, out-to-out 6.7 m = 22.0 ft Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft								
Inventory Route, Total Horizontal Clearance 6 m = 19.7 ft		Curb or sidewalk width - left 0 m = 0.0 ft Curb or		Curb or sidew	valk width - right	0 m = 0.0 ft		
Deck structure type	C	Concrete Cast-in-Plac	e [1]					
Type of wearing surface Monolithic Concrete (e			oncurrently placed with structural deck) [1]					
Deck protection								
Type of membrane/wearing surface								
Weight Limits								
Bypass, detour length Method to determine inventory rating		Allowable Stress(AS)	[2]	nventory rating	32.8 metric ton =	36.1 tons		
0.5 km = 0.3 mi Method to determine operating rating		Allowable Stress(AS)	[2]	Operating rating	59 metric ton = 64	4.9 tons		
Bridge posting Equal to or above le			gal loads [5]	I	Design Load MS	18+Mod / HS 20+1	Mod [6]	

Functional Details						
Average Daily Traffic 38 Average daily tr	uck traffi 5 % Year 2008	Future average daily traffic 4	4 Year 2028	3		
Road classification Local (Rural) [09]	Lanes on structure 2		Approach roadway widt	h 9.1 m = 29.9 ft		
Type of service on bridge Highway [1]	Direction of traffic 2 - wa	y traffic [2]	Bridge median			
Parallel structure designation No parallel structure exists. [N]						
Type of service under bridge Waterway [5]	Lanes under structure 0	Navigation control				
Navigation vertical clearanc 0 = N/A	Navigation horiz	contal clearance 0 = N/A				
Minimum navigation vertical clearance, vertical lift brid	dge	Minimum vertical clearanc	e over bridge roadway	99.99 m = 328.1 ft		
Minimum lateral underclearance reference feature	eature not a highway or railroad [N]					
Minimum lateral underclearance on right 99.9 = Unlin	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 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 or	wner's forces [2]				
	Bridge improvement cost 5000	Roadway improv	vement cost 1000			
	Length of structure improvement	7 m = 23.0 ft Tota	l project cost 6000			
	Year of improvement cost estimate					
	Border bridge - state	Borde	r bridge - percent respons	ibility 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 - superstructur	Condition ratings - superstructur Satisfactory [6]		Equal to present minimum criteria [6]				
Condition ratings - substructure	Satisfactory [6]	 roadway alignment Appraisal ratings - 	Somewhat better than minimum adequacy to tolerate being left in place as is [5]				
Condition ratings - deck	Fair [5]	deck geometry					
Scour	Bridge foundations determined	Bridge foundations determined to be stable for assessed 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 adequac	y Better than present minimum	criteria [7]	Status evaluation				
Pier or abutment protection			Sufficiency rating 91				
Culverts Not applicable. Used i	f structure is not a culvert. [N]						
Traffic safety features - railings	Inpected feat	ure meets currently accep	table standards. [1]				
Traffic safety features - transition	S						
Traffic safety features - approach	guardrail						
Traffic safety features - approach	guardrail ends						
Inspection date November 20	008 [1108] Designated inspe	ction frequency 24	Months				
Underwater inspection	Not needed [N]	Underwater inspect	ion date				
Fracture critical inspection Not needed [N]		Fracture critical inspection date					
Other special inspection Not needed [N]		Other special inspe	ction date				