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	lacia Causta [0(7]	Commb all [120.40]			42-47-09 =	085-17-28 = -		
Michigan [26]	Ionia County [067]	Campbell [12840]	7.3 MI W VILL LAKE OF	JESSA	42.785833	85.291111		
34200043000B010	Highway agency district 3	Owner County Highway	y Agency [02]	Maintenance responsibility	County Highway A	gency [02]		
Route 3403	HASTINGS ROAD	Toll On fre	ee road [3] Fea	atures intersected DUCK CRE	EK			
Design - Concrete [main 1 Girder and	1]Design - approachfloorbeam system [03]0Othe	r [00]	Kilometerpoint178 IYear built1923Skew angle30Historical significance	km = 110.4 mi Year reconstructed N/A Structure Flared Bridge is not eligible for t				
Total length 10.6 m = 34.8 ft Length of maximum span 9.4 m = 30.8 ft Deck width, out-to-out 7.6 m = 24.9 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 sidewalk width - right 0 m = 0.0 ft								
Deck structure type Concrete Cast-in-Place [1]								
Type of wearing surface Bituminous [6]								
Deck protection								
Type of membrane/wearing surface								
Weight Limits								
Bypass, detour lengt	h Method to determine inventory rating	No rating analysis pe	erformed [5] Inver	ntory rating 33 metric ton =	36.3 tons			
0.5 km = 0.3 mi	Method to determine operating rating	No rating analysis pe	erformed [5] Oper	42 metric ton =	46.2 tons			
	Bridge posting Equal to or above	egal loads [5]	Desig	gn Load MS 18+Mod / HS 20	+Mod [6]			

Functional Details							
Average Daily Traffic 108 Average daily traffic	uck traffi 20 % Year 2007 Future average daily traffic 126	Year 2027					
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 structur	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 bridge Minimum vertical clearance over bridge roadway 99.99 m = 328.1 ft							
Minimum lateral underclearance reference feature F	eature not a highway or railroad [N]						
Minimum lateral underclearance on right 99.9 = Unlir	nited Minimum lateral underclearance	e 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 dopo by						
Type of work to be performed	Work done by						
	Bridge improvement cost Roadway improvem	ment cost					
	Length of structure improvement Total pr	roject cost					
	Year of improvement cost estimate						
	Border bridge - state Border br	ridge - percent responsibility of other state					
	Border bridge - structure number						

Inspection and Sufficiency								
Structure status Open, no restriction [A]			praisal ratings - uctural	Equal to	Equal to present minimum criteria [6]			
Condition ratings - superstructur	Satisfactory [6]		praisal ratings - adway alignment	Meets minimum tolerable limits to be left in place as is [4]				
ondition ratings - substructure Satisfactory [6]		A	opraisal ratings -	Meets minimum tolerable limits to be left in place as is [4]				
Condition ratings - deck Serious [3]			eck geometry					
Scour	Bridge with "ur	Bridge with "unknown" foundation that has not been evaluated for scour. [U]						
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	by Better than pro	Better than present minimum criteria [7]			Status evaluation	Structurally deficient [1]	
Pier or abutment protection					Sufficiency rating	76		
Culverts Not applicable. Used	if structure is not a cul	vert. [N]]			
Traffic safety features - railings	Inpected feature m	re meets currently acceptable standards. [1]						
Traffic safety features - transitions Inpected for			ature meets currently acceptable standards. [1]					
Traffic safety features - approach	Inpected feature m	pected feature meets currently acceptable standards. [1]						
Traffic safety features - approach	Inpected feature m	npected feature meets currently acceptable standards. [1]						
Inspection date October 200	9 [1009] De	esignated inspection	frequency	24	Months			
Underwater inspection		Underwater inspection date						
Fracture critical inspection Not needed [N]			Fracture critical inspection date					
Other special inspection	Not needed [N]	Other speci		spection date				