

# HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

The National Bridge Inventory contains data submitted by state transportation 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]	St. Clair County [147]	Wales [82900]	SEC. 17 WALES TWP.	42-56-48 = 42.946667	082-42-31 = - 82.708611
77200052000B010	Highway agency district 7	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	COVE ROAD	Toll On free road [3]	Features intersected	UNNAMED CREEK	
Design - main Concrete [1]	Design - approach Tee beam [04]	Other [00]	Kilometerpoint 365.5 km = 226.6 mi	Year built 1921	Year reconstructed N/A [0000]
1			Skew angle 0	Structure Flared	
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length 8 m = 26.2 ft	Length of maximum span 6.7 m = 22.0 ft	Deck width, out-to-out 6.7 m = 22.0 ft	Bridge roadway width, curb-to-curb 5.9 m = 19.4 ft		
Inventory Route, Total Horizontal Clearance 5.9 m = 19.4 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	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length 0.5 km = 0.3 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	28 metric ton = 30.8 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	50 metric ton = 55.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]	

### Functional Details

Average Daily Traffic	188	Average daily truck traffi	3	%	Year	2001	Future average daily traffic	340	Year	221
Road classification	Major Collector (Rural) [07]		Lanes on structure	2		Approach roadway width	7.3 m = 24.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way 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 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

Bridge improvement cost

Roadway improvement cost

Length of structure improvement

Total project cost

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 restriction [A]	Appraisal ratings - structural	Better than present minimum criteria [7]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	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 adequacy	Somewhat better than minimum adequacy to tolerate being left in place as is [5]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	74.9
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	February 2010 [0210]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	