

# 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]	Wayne County [163]	Woodhaven [88380]	BRWNTWN/WOODHE/ALLEN	42-06-42 = 42.111667	083-13-20 = - 83.222222
82200008000B010	Highway agency district 7	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 2057	VREELAND ROAD	Toll On free road [3]	Features intersected BLAKELY DRAIN		
Design - main 3	Concrete continuous [2] Slab [01]	Design - approach 0	Other [00]	Kilometerpoint 523.2 km = 324.4 mi	Year built 1925
				Year reconstructed 1956	Skew angle 20
				Structure Flared	Historical significance
				Bridge is not eligible for the NRHP. [5]	
Total length 17 m = 55.8 ft	Length of maximum span 6.4 m = 21.0 ft	Deck width, out-to-out 13.8 m = 45.3 ft	Bridge roadway width, curb-to-curb 11.3 m = 37.1 ft		
Inventory Route, Total Horizontal Clearance 13.2 m = 43.3 ft	Curb or sidewalk width - left 1.8 m = 5.9 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 length 0.3 km = 0.2 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	44.5 metric ton = 49.0 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	60.9 metric ton = 67.0 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]

### Functional Details

Average Daily Traffic	8469	Average daily truck traffi	5	%	Year	1992	Future average daily traffic	9739	Year	2015
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2		Approach roadway width	10.7 m = 35.1 ft			
Type of service on bridge	Highway-pedestrian [5]		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	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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 present minimum criteria [7]	Status evaluation	
Pier or abutment protection		Sufficiency rating	96.8
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	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	April 2009 [0409]	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	