

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]	Ionia County [067]	Boston [09680]	1.0 MI E OF KENT CO LINE	42-52-44.39 = 42.878997	085-17-31.47 = -85.292075
3974	Highway agency district: 3	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 3426	HASTINGS RD	Toll On free road [3]	Features intersected	I-96	
Design - main Concrete continuous [2]	Design - approach	Kilometerpoint	1212.4 km = 751.7 mi		
4	Tee beam [04]	0	Other [00]	Year built	1958
				Year reconstructed	
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	73.1 m = 239.8 ft	Length of maximum span	21.6 m = 70.9 ft	Deck width, out-to-out	10.1 m = 33.1 ft
				Bridge roadway width, curb-to-curb	7.9 m = 25.9 ft
Inventory Route, Total Horizontal Clearance	9.4 m = 30.8 ft	Curb or sidewalk width - left	0.2 m = 0.7 ft	Curb or sidewalk width - right	0.2 m = 0.7 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Epoxy Overlay [5]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length	Method to determine inventory rating	Load Factor (LF) rating reported by rati	Inventory rating	32.4 metric ton = 35.6 tons
0.5 km = 0.3 mi	Method to determine operating rating	Load Factor (LF) rating reported by rati	Operating rating	54.4 metric ton = 59.8 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

### Functional Details

Average Daily Traffic	<input type="text" value="140"/>	Average daily truck traffi	<input type="text"/>	%	Year	<input type="text" value="1974"/>	Future average daily traffic	<input type="text" value="140"/>	Year	<input type="text" value="1977"/>
Road classification	<input type="text" value="Major Collector (Rural) [07]"/>		Lanes on structure	<input type="text" value="2"/>	Approach roadway width	<input type="text" value="10.3 m = 33.8 ft"/>				
Type of service on bridge	<input type="text" value="Highway [1]"/>		Direction of traffic	<input type="text" value="2 - way traffic [2]"/>		Bridge median	<input type="text"/>			
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>									
Type of service under bridge	<input type="text" value="Highway, with or without ped"/>		Lanes under structure	<input type="text" value="4"/>	Navigation control	<input type="text" value="Not applicable, no waterway. [N]"/>				
Navigation vertical clearanc	<input type="text" value="0 = N/A"/>			Navigation horizontal clearance	<input type="text" value="0 = N/A"/>					
Minimum navigation vertical clearance, vertical lift bridge	<input type="text"/>				Minimum vertical clearance over bridge roadway	<input type="text" value="99.99 m = 328.1 ft"/>				
Minimum lateral underclearance reference feature	<input type="text" value="Highway beneath structure [H]"/>									
Minimum lateral underclearance on right	<input type="text" value="3 m = 9.8 ft"/>				Minimum lateral underclearance on left	<input type="text" value="10.2 m = 33.5 ft"/>				
Minimum Vertical Underclearance	<input type="text" value="4.62 m = 15.2 ft"/>			Minimum vertical underclearance reference feature	<input type="text" value="Highway beneath structure [H]"/>					
Appraisal ratings - underclearances	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>									

### 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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Better than present minimum criteria [7]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge not over waterway. [N]"/>		
Channel and channel protection	<input type="text" value="Not applicable. [N]"/>		
Appraisal ratings - water adequacy	<input type="text" value="N/A [N]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="92"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="December 2018 [1218]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>