

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]	Livonia [49000]	IN LIVONIA	42-22-00 = 42.366667	083-24-29 = - 83.408056
82182101000S010	Highway agency district 7	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 83	HINES DRIVE	Toll On free road [3]	Features intersected	OLD M-14 (ANN ARBOR RD)	
Design - main Concrete [1]	Design - approach	Kilometerpoint 750.4 km = 465.2 mi	Year built 1948	Year reconstructed N/A [0000]	
1	Frame [07]	0	Other [00]	Skew angle 6	Structure Flared
		Historical significance		Bridge is on the NRHP. [1]	
Total length 22.2 m = 72.8 ft	Length of maximum span 22.2 m = 72.8 ft	Deck width, out-to-out 20.1 m = 65.9 ft	Bridge roadway width, curb-to-curb	14.6 m = 47.9 ft	
Inventory Route, Total Horizontal Clearance 19.5 m = 64.0 ft	Curb or sidewalk width - left 2.4 m = 7.9 ft	Curb or sidewalk width - right	2.4 m = 7.9 ft		
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Latex Concrete or similar additive [3]				
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	32.7 metric ton = 36.0 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	99.9 metric ton = 109.9 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	15000	Average daily truck traffi		%	Year	1978	Future average daily traffic	15000	Year	1977
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	4	Approach roadway width	14.6 m = 47.9 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	Highway, with or without ped		Lanes under structure	2	Navigation control	Not applicable, no waterway. [N]				
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	Highway beneath structure [H]									
Minimum lateral underclearance on right	3.6 m = 11.8 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	4.45 m = 14.6 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Somewhat better than minimum adequacy to tolerate being left in place as is [5]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]		
Bridge deck replacement with only incidental widening. [37]	Bridge improvement cost	0	Roadway improvement cost	0
	Length of structure improvement	22.3 m = 73.2 ft	Total project cost	0
	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="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Poor [4]"/>		
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" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="59.1"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
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="November 2007 [1107]"/>	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"/>