

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Michigan [26] Chippewa County [033] Dafter [19540] 1.1 MI S OF M-28 46-21-36 = 46.360000 084-25-06 = - 84.418333

17117033000S050 Highway agency district 1 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 1748 DAFTER RD Toll On free road [3] Features intersected I-75

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 862.3 km = 534.6 mi

6 Stringer/Multi-beam or girder [02] 0 Other [00] Year built 1963 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 108.8 m = 357.0 ft Length of maximum span 24 m = 78.7 ft Deck width, out-to-out 9.5 m = 31.2 ft Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft

Inventory Route, Total Horizontal Clearance 8.8 m = 28.9 ft Curb or sidewalk width - left 0.7 m = 2.3 ft Curb or sidewalk width - right 0.7 m = 2.3 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 30 metric ton = 33.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 69.1 metric ton = 76.0 tons

Bridge posting Equal to or above legal loads [5] Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	200	Average daily truck traffi		%	Year		Future average daily traffic	200	Year	
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	10 m = 32.8 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	Highway, with or without ped	Lanes under structure	4	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	2.8 m = 9.2 ft			Minimum lateral underclearance on left	13.5 m = 44.3 ft					
Minimum Vertical Underclearance	4.95 m = 16.2 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

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	293000	Roadway improvement cost	9000						
	Length of structure improvement	108.8 m = 357.0 ft		Total project cost	100000					
	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="Good [7]"/>	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="Good [7]"/>		
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="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="82.2"/>
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"/>		
Inspection date	<input type="text" value="June 2008 [0608]"/>	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"/>