

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] Kalamazoo County [077] Charleston [14720] 5.7 MI E OF I-94 BL 42-16-42 = 42.278333 085-24-01 = - 85.400278

39139022000S080 Highway agency district 5 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 0 SCOTT ROAD (38 TH) Toll On free road [3] Features intersected I-94

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 1029 km = 638.0 mi

4 Stringer/Multi-beam or girder [02] 0 Other [00] Year built 1951 Year reconstructed N/A [0000]

Skew angle 11 Structure Flared

Historical significance Bridge is on the NRHP. [1]

Total length 58.5 m = 191.9 ft Length of maximum span 14.9 m = 48.9 ft Deck width, out-to-out 9.5 m = 31.2 ft Bridge roadway width, curb-to-curb 7.9 m = 25.9 ft

Inventory Route, Total Horizontal Clearance 7.9 m = 25.9 ft Curb or sidewalk width - left 0.5 m = 1.6 ft Curb or sidewalk width - right 0.5 m = 1.6 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 1.1 km = 0.7 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 26.4 metric ton = 29.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 63.6 metric ton = 70.0 tons

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

Functional Details

Average Daily Traffic	782	Average daily truck traffi	3	%	Year	1994	Future average daily traffic	1000	Year	2015
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	8.4 m = 27.6 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	3.2 m = 10.5 ft					Minimum lateral underclearance on left	3.2 m = 10.5 ft			
Minimum Vertical Underclearance	4.5 m = 14.8 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	69000		Roadway improvement cost	7000					
	Length of structure improvement	58.5 m = 191.9 ft			Total project cost	81000				
	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	Better than present minimum criteria [7]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	78.4
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
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	September 2008 [0908]	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	