The National Bridge Inventory contains data submitted by state transportion 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							42-16-57 =	084-54-24 = -
Michigan [26] Calhoun County [025]		Marengo [51520] 4.9 MI E OF I-69				42.282500	84.906667	
13113083000S050 Highway agency district 5			Owner State Highway A	Owner State Highway Agency [01] Maintenance responsibility		State Highway Age	ency [01]	
Route 0 20 MILE ROAD			Toll On fre	e road [3]	Features intersec	ted I-94		
Design - main  Concrete continuous [2] Design - approach  Tee beam [04] 0 Other		Kilometerpoint 269.4 km = 167.0 mi  Year built 1960 Year reconstructed N/A [  er [00] Skew angle 0 Structure Flared			[0000]			
Historical significance  Bridge is not eligible for the NRHP. [5]  Total length  69.2 m = 227.0 ft  Length of maximum span 21.6 m = 70.9 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  7.4 m = 24.3 ft  Curb or sidewalk width - left  0.9 m = 3.0 ft  Curb or sidewalk width - right								
Deck structure type  Type of wearing surface  Deck protection  Concrete Cast-in-Place  Monolithic Concrete (concrete)		ce [1] (concurrently placed with str	uctural deck) [1]					
Type of membrane/weari	ng surface							
Weight Limits								
Bypass, detour length  0.6 km = 0.4 mi  Method to determine inventory rating  Method to determine operating rating		Allowable Stress(AS)	· · ·	Inventory rating Operating rating	28.2 metric ton =			
Bridge posting Equal to or above legal lo			egai ioads [5]	as [5] Design Lo		esign Load M 13.5 / H 15 [2]		

Functional Details								
Average Daily Traffic 1500 Average daily tru	uck traffi 3 % Year 1988 Future average daily traffic 2040 Year 2000							
Road classification Local (Rural) [09]	Lanes on structure 2 Approach roadway width 6.9 m = 22.6 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	ut ped Lanes under structure 4 Navigation control Not applicable, no waterway. [N]							
Navigation vertical clearance 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 8.5 m = 27.9 ft								
Minimum Vertical Underclearance   4.67 m = 15.3 ft   Minimum vertical underclearance reference feature   Highway beneath structure [H]								
Appraisal ratings - underclearances 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 Work to be done by contract [1]							
Widening of existing bridge or other major structure without deck rehabilitation or replacement [33]	Bridge improvement cost 595000 Roadway improvement cost 61000							
Thirtied dook for admittation of Topiaconilon [60]	Length of structure improvement 69.2 m = 227.0 ft Total project cost 719000							
	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 res	triction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]				
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]				
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]				
Condition ratings - deck	Fair [5]						
Scour	Bridge not over waterway. [N]						
Channel and channel protection	Not applicable. [N]						
Appraisal ratings - water adequac	N/A [N]		Status evaluation				
Pier or abutment protection			Sufficiency rating 75.6				
Culverts Not applicable. Used if structure is not a culvert. [N]							
Traffic safety features - railings  Traffic safety features - transition	20						
Traffic safety features - approach		ure meets currently acce	ptable standards. [1]				
Traffic safety features - approach		ture meets currently acceptable standards. [1]					
Inspection date August 2009	[0809] Designated inspec	ction frequency 24	Months				
Underwater inspection	Not needed [N]	Underwater inspec	ction date				
Fracture critical inspection	Not needed [N]	Fracture critical ins	spection date				
Other special inspection	Not needed [N]	Other special insp	ection date				