

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

Ohio [39]	Shelby County [149]	Orange [58660]	.07 M. N. SULPHUR HEIGHTS	40-15-54 = 40.265000	084-09-30 = - 84.158333
7539967	Highway agency district 7	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 40	RIVER ROAD	Toll On free road [3]	Features intersected	GREAT MIAMI RIVER	
Design - main Steel [3]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built #Num!	Year reconstructed 1982	
2	Truss - Thru [10]	0	Other [00]	Skew angle 0	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length 71 m = 233.0 ft	Length of maximum span 34.7 m = 113.9 ft	Deck width, out-to-out 5.5 m = 18.0 ft	Bridge roadway width, curb-to-curb 5.3 m = 17.4 ft		
Inventory Route, Total Horizontal Clearance 5.5 m = 18.0 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Corrugated Steel [6]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.2 km = 0.1 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	15.3 metric ton = 16.8 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	20.7 metric ton = 22.8 tons
Bridge posting			Design Load	

Functional Details

Average Daily Traffic	200	Average daily truck traffi	0	%	Year	1978	Future average daily traffic	269	Year	2015
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	7 m = 23.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	One lane bridge for 2 - way traffic [3]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control				
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	5.08 m = 16.7 ft						
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]						
Appraisal ratings - underclearances	N/A [N]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	\$268,000	Roadway improvement cost	\$27,000						
	Length of structure improvement	80.5 m = 264.1 ft		Total project cost	\$311,000					
	Year of improvement cost estimate	1992								
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Meets minimum tolerable limits to be left in place as is [4]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	49.4
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	October 1998 [1098]	Designated inspection frequency	12 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	