HistoricBridges.org - National Bridge Inventory Data Sheet

2012 Inventory

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

Kentucky [21]	Mason County [161]	Unknown [01310]	3.8 MI NORTH JCT KY 9	38-39-00 = 38.650000	083-45-34 = -83.759444

081B00041N	Highway agency district 9	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]

Route	62	US-62X	Toll	On free road [3]	Features intersected OHIO RIVER-MYVLLE- CSX R

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	553.6 km = 343.2 mi
3	Suspension [13]	12	Stringer/Multi-beam or girder [02]	Year built 1931	Year reconstructed 2001
				Skew angle 0	Structure Flared
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length	873.6 m = 2866.3 ft	Length of maximum span	323.1 m = 1060.1 ft	Deck width, out-to-out	7.8 m = 25.6 ft	Bridge roadway width, curb-to-curb	6.1 m = 20.0 ft
Inventory Route, Total Horizontal Clearance	6 m = 19.7 ft	Curb or sidewalk width - left	1.4 m = 4.6 ft	Curb or sidewalk width - right	0.3 m = 1.0 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	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	37.2 metric ton = 40.9 tons	
15.9 km = 9.9 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	63.5 metric ton = 69.9 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	8080	Average daily truck traffi	4 %	Year	2011	Future average daily traffic	9130
Year	2031						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	6.1 m = 20.0 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-waterway-railroad [	Lanes under structure	2	Navigation control	Navigation control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	2.5 m = 8.2 ft	Navigation horizontal clearance	3 m = 9.8 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	5.91 m = 19.4 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]						
Minimum lateral underclearance on right	3.4 m = 11.2 ft	Minimum lateral underclearance on left	4.7 m = 15.4 ft				
Minimum Vertical Underclearance	4.12 m = 13.5 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]				
Appraisal ratings - underclearances	Basically intolerable requiring high priority of replacement [2]						

Repair and Replacement Plans

Type of work to be performed

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	10962000	Roadway improvement cost	0
Length of structure improvement	87.4 m = 286.8 ft	Total project cost	10962000
Year of improvement cost estimate			
Border bridge - state	Unknown [395]	Border bridge - percent responsibility of other state	23
Border bridge - structure number	800333		

Inspection and Sufficiency

Structure status	Posted for load [P]	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	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	49

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	November 2011 [1111]	Designated inspection frequency	12	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	October 2007 [1007]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2011 [0711]
Other special inspection	Not needed [N]	Other special inspection date	

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2013 Inventory

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Basic Information

Ohio [39]	Brown County [015]	Aberdeen [00142]	0.186 MI S OF USR 52	38-38-48 = 38.646667	083-45-41 = -83.761389

800333	Highway agency district 9	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 41		SR 41 BUS.62 & 68	Toll: On free road [3]	Features intersected: OHIO RIVER CSX RR LOCAL	

Design - main: Steel [3]	Design - approach: Steel [3]	Kilometerpoint: 0 km = 0.0 mi			
5	Suspension [13]	10	Stringer/Multi-beam or girder [02]	Year built: 1931	Year reconstructed: 2003
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 873.6 m = 2866.3 ft	Length of maximum span: 323.1 m = 1060.1 ft	Deck width, out-to-out: 8.7 m = 28.5 ft	Bridge roadway width, curb-to-curb: 6.1 m = 20.0 ft				
Inventory Route, Total Horizontal Clearance: 6.1 m = 20.0 ft	Curb or sidewalk width - left: 1.4 m = 4.6 ft	Curb or sidewalk width - right: 0.2 m = 0.7 ft					
Deck structure type: Concrete Cast-in-Place [1]							
Type of wearing surface: Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]							
Deck protection: Epoxy Coated Reinforcing [1]							
Type of membrane/wearing surface: Unknown [8]							

Weight Limits

Bypass, detour length	Method to determine inventory rating: Load Factor(LF) [1]	Inventory rating: 24.3 metric ton = 26.7 tons		
1 km = 0.6 mi	Method to determine operating rating: Load Factor(LF) [1]	Operating rating: 33.4 metric ton = 36.7 tons		
	Bridge posting: 10.0 - 19.9 % below [3]	Design Load:		

Functional Details

Average Daily Traffic	7730	Average daily truck traffi	9 %	Year	2011	Future average daily traffic	Year
Road classification	Collector (Urban) [17]	Lanes on structure	2	Approach roadway width	7.3 m = 24.0 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-waterway-railroad [	Lanes under structure	6	Navigation control	Navigation control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	24.4 m = 80.1 ft	Navigation horizontal clearance	272.5 m = 894.1 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.88 m = 16.0 ft				
Minimum lateral underclearance reference feature	Railroad beneath structure [R]						
Minimum lateral underclearance on right	0.9 m = 3.0 ft	Minimum lateral underclearance on left	0.9 m = 3.0 ft				
Minimum Vertical Underclearance	4.57 m = 15.0 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]				
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrrective action [3]						

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost		Roadway improvement cost	
Length of structure improvement		Total project cost	
Year of improvement cost estimate			
Border bridge - state	Unknown [214]	Border bridge - percent responsibility of other state	75
Border bridge - structure number	081B00041N00000		

Inspection and Sufficiency

Structure status		Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure		Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure		Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck			
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection			
Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	56.6
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		Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	August 2009 [0809]
Other special inspection	Not needed [N]	Other special inspection date	