

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

Illinois [17]	Randolph County [157]	Unknown [00000]	AT CHESTER - MoDOT	37-54-09.12 = 3	089-50-12.91 = -8
79600100000000	Highway agency district: 8	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 150	ILL 150	Toll On free road [3]	Features intersected	MISS RIV/FAU 9416	
Design - main	Steel continuous [4]	Design - approach	Steel [3]	Kilometerpoint	1.6 km = 1.0 mi
6	Truss - Thru [10]	8	Stringer/Multi-beam or girder [02]	Year built	1942
				Year reconstructed	1946
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]
Total length	861.7 m = 2827.2 ft	Length of maximum span	204.2 m = 670.0 ft	Deck width, out-to-out	6.9 m = 22.6 ft
Inventory Route, Total Horizontal Clearance	7.8 m = 25.6 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	Not applicable (applies only to structures with no deck) [N]				
Deck protection	Not applicable (applies only to structures with no deck) [N]				
Type of membrane/wearing surface	Not applicable (applies only to structures with no deck) [N]				

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor (LF) rating reported by rati	Inventory rating	14.3 metric ton = 15.7 tons
0 km = 0.0 mi	Method to determine operating rating	Load Factor (LF) rating reported by rati	Operating rating	23.3 metric ton = 25.6 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	6500	Average daily truck traffi	23	%	Year	2017	Future average daily traffic	9296	Year	2038
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	2		Approach roadway width	6.7 m = 22.0 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 [8]		Lanes under structure	2		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	19.5 m = 64.0 ft			Navigation horizontal clearance	198.1 m = 650.0 ft					
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft			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	30.4 m = 99.7 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	99.99 m = 328.1 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Superior to present desirable criteria [9]									

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	3460000	Roadway improvement cost	346000
	Length of structure improvement	861.7 m = 2827.2 ft	Total project cost	3806000
	Year of improvement cost estimate			
	Border bridge - state	Unknown [297]	Border bridge - percent responsibility of other state	50
	Border bridge - structure number	6656		

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
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	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	23.9
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	September 2018 [0918]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2016 [0816]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2018 [0918]
Other special inspection	Not needed [N]	Other special inspection date	

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Basic Information

Missouri [29]	Perry County [157]	Bois Brule [06886]	S 1007 T 37 N R 11 E	37-54-02.72 = 3	089-50-19.62 = -8
6656	Highway agency district: 7	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route 51	MO 51 S	Toll On free road [3]	Features intersected MISSISSIPPI RVR, UP RR,		
Design - main Steel continuous [4]	Design - approach Steel [3]	Kilometerpoint 0 km = 0.0 mi	Year built 1942	Year reconstructed N/A [0000]	
2	Truss - Thru [10]	12	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length 861.7 m = 2827.2 ft	Length of maximum span 204.2 m = 670.0 ft	Deck width, out-to-out 6.9 m = 22.6 ft	Bridge roadway width, curb-to-curb 6.7 m = 22.0 ft		
Inventory Route, Total Horizontal Clearance 6.7 m = 22.0 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 14.2 km = 8.8 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	25.2 metric ton = 27.7 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	42.3 metric ton = 46.5 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	

Functional Details

Average Daily Traffic	6818	Average daily truck traffi	24	%	Year	2017	Future average daily traffic	9204	Year	2037
Road classification	Minor Arterial (Rural) [06]		Lanes on structure	2		Approach roadway width	6.7 m = 22.0 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 [8]		Lanes under structure	2		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	16.7 m = 54.8 ft			Navigation horizontal clearance	203.6 m = 668.0 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	5.99 m = 19.7 ft					
Minimum lateral underclearance reference feature	Railroad beneath structure [R]									
Minimum lateral underclearance on right	20 m = 65.6 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	7.01 m = 23.0 ft		Minimum vertical underclearance reference feature	Railroad beneath structure [R]						
Appraisal ratings - underclearances	Equal to present desirable criteria [8]									

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	33176000	Roadway improvement cost	3317000
	Length of structure improvement	86.2 m = 282.8 ft	Total project cost	49765000
	Year of improvement cost estimate	2019		
	Border bridge - state	Unknown [175]	Border bridge - percent responsibility of other state	50
	Border bridge - structure number	7.96e+13		

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
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	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	29.7
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	Inspected feature meets currently acceptable standards. [1]		
Inspection date	September 2018 [0918]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2016 [0816]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	September 2018 [0918]
Other special inspection	Not needed [N]	Other special inspection date	