

The National Bridge Inventory contains data submitted by state transportation 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

Illinois	Wabash County	Mount Carmel	MT CARMEL	38.4	-87.758333
93001420516	Highway agency district: 7	Owner State Highway Agency	Maintenance responsibility State Highway Agency		
Route 15	FAP-827 (ILL-15)	Toll On free road	Features intersected WABASH RIVER		
Design - main Steel	Design - approach	Kilometerpoint 14423	Year built 1932	Year reconstructed 1987	
12	Truss - Thru	0 Other	Skew angle 0	Structure Flared	
			Historical significance	Bridge is not eligible for the NRHP.	
Total length 2726.2	Length of maximum span 225.1	Deck width, out-to-out 23.6	Bridge roadway width, curb-to-curb 21.7		
Inventory Route, Total Horizontal Clearance 21.7	Curb or sidewalk width - left 0	Curb or sidewalk width - right 0			
Deck structure type	Concrete Cast-in-Place				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck)				
Deck protection	Epoxy Coated Reinforcing				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 5.4	Method to determine inventory rating	Allowable Stress(AS)	Inventory rating	16.8
	Method to determine operating rating	Allowable Stress(AS)	Operating rating	50.5
Bridge posting	Equal to or above legal loads	Design Load	M 18 / H 20	

Functional Details

Average Daily Traffic	7100	Average daily truck traffi	10	%	Year	2007	Future average daily traffic	10200	Year	2025
Road classification	Other Principal Arterial (Urban)		Lanes on structure	2		Approach roadway width	23			
Type of service on bridge	Highway		Direction of traffic	2 - way traffic		Bridge median				
Parallel structure designation	No parallel structure exists.									
Type of service under bridge	Waterway		Lanes under structure	0		Navigation control				
Navigation vertical clearanc	N/A		Navigation horizontal clearance	N/A						
Minimum navigation vertical clearance, vertical lift bridge						Minimum vertical clearance over bridge roadway	153.2			
Minimum lateral underclearance reference feature	Feature not a highway or railroad									
Minimum lateral underclearance on right	N/A					Minimum lateral underclearance on left	N/A			
Minimum Vertical Underclearance	N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad						
Appraisal ratings - underclearances	N/A									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry.	Bridge improvement cost	10147	Roadway improvement cost	1015						
	Length of structure improvement	2726.2		Total project cost	15221					
	Year of improvement cost estimate	2002								
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

Inspection and Sufficiency

Structure status

Open, no restriction

Appraisal ratings -
structural

Basically intolerable requiring high priority of replacement

Condition ratings - superstructure

Poor

Appraisal ratings -
roadway alignment

Equal to present minimum criteria

Condition ratings - substructure

Satisfactory

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement

Condition ratings - deck

Satisfactory

Scour

Bridge foundations determined to be stable for assessed or calculated scour condition.

Channel and channel protection

Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.

Appraisal ratings - water adequacy

Equal to present desirable criteria

Status evaluation

Structurally deficient

Pier or abutment protection

Sufficiency rating

14

Culverts

Not applicable. Used if structure is not a culvert.

Traffic safety features - railings

Inspected feature meets currently acceptable standards.

Traffic safety features - transitions

Traffic safety features - approach guardrail

Inspected feature meets currently acceptable standards.

Traffic safety features - approach guardrail ends

Inspection date

Jun-08

Designated inspection frequency

12

Months

Underwater inspection

Unknown

Underwater inspection date

May-08

Fracture critical inspection

Every year

Fracture critical inspection date

Jun-08

Other special inspection

Not needed

Other special inspection date