

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 [17] Cook County [031] Palos [57355] 0.2 M N IL 83 41-41-10 = 41.6 087-51-19 = -87.8

000016034304081 Highway agency district 1 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 45 US 45 SB (LA GRANG) Toll On free road [3] Features intersected CAL SAG CHANNEL

Design - main Steel [3] Design - approach Steel continuous [4] Kilometerpoint 58829.9 km = 36474.5 mi

1 Truss - Thru [10] 5 Stringer/Multi-beam or girder [02] Year built 1967 Year reconstructed 2000

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 135.6 m = 444.9 ft Length of maximum span 88.3 m = 289.7 ft Deck width, out-to-out 10.4 m = 34.1 ft Bridge roadway width, curb-to-curb 9.4 m = 30.8 ft

Inventory Route, Total Horizontal Clearance 8.2 m = 26.9 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 Monolithic Concrete (concurrently placed with structural deck) [1]

Deck protection Epoxy Coated Reinforcing [1]

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.5 km = 0.3 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 34.2 metric ton = 37.6 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 54.9 metric ton = 60.4 tons

Bridge posting Equal to or above legal loads [5] Design Load MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

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 Border bridge - percent responsibility of other state

Border bridge - structure number

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Satisfactory [6]		
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	
Pier or abutment protection		Sufficiency rating	77.7
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	August 2009 [0809]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2007 [0907]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	August 2009 [0809]
Other special inspection	Not needed [N]	Other special inspection date	

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