

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] Lemont [42808] .1MI S OF 171,N JCT 41-41-46 = 41.6 087-56-10 = -87.9

000016042704134 Highway agency district 1 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 83 IL 83,171 (KINGER) Toll On free road [3] Features intersected CAL SAG CHANNEL

Design - main Steel [3] Design - approach Steel continuous [4] Kilometerpoint 5097.3 km = 3160.3 mi

1 Truss - Thru [10] 4 Stringer/Multi-beam or girder [02] Year built 1934 Year reconstructed 1997

Skew angle 0 Structure Flared

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

Total length 154.8 m = 507.9 ft Length of maximum span 92.8 m = 304.5 ft Deck width, out-to-out 16.9 m = 55.4 ft Bridge roadway width, curb-to-curb 13.4 m = 44.0 ft

Inventory Route, Total Horizontal Clearance 13.4 m = 44.0 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 1.8 m = 5.9 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 1.6 km = 1.0 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 28.8 metric ton = 31.7 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 46.8 metric ton = 51.5 tons

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

Functional Details

Average Daily Traffic	<input type="text" value="34000"/>	Average daily truck traffi	<input type="text" value="5"/>	%	Year	<input type="text" value="2009"/>	Future average daily traffic	<input type="text" value="46035"/>	Year	<input type="text" value="2021"/>
Road classification	<input type="text" value="Other Principal Arterial (Urban) [14]"/>		Lanes on structure	<input type="text" value="4"/>		Approach roadway width	<input type="text" value="13.4 m = 44.0 ft"/>			
Type of service on bridge	<input type="text" value="Highway [1]"/>		Direction of traffic	<input type="text" value="2 - way traffic [2]"/>		Bridge median	<input type="text"/>			
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>									
Type of service under bridge	<input type="text" value="Waterway [5]"/>		Lanes under structure	<input type="text" value="0"/>		Navigation control	<input type="text" value="Navigation control on waterway (bridge permit required). [1]"/>			
Navigation vertical clearanc	<input type="text" value="11.5 m = 37.7 ft"/>			Navigation horizontal clearance	<input type="text" value="76.2 m = 250.0 ft"/>					
Minimum navigation vertical clearance, vertical lift bridge	<input type="text"/>			Minimum vertical clearance over bridge roadway	<input type="text" value="4.6 m = 15.1 ft"/>					
Minimum lateral underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>									
Minimum lateral underclearance on right	<input type="text" value="0 = N/A"/>					Minimum lateral underclearance on left	<input type="text" value="0 = N/A"/>			
Minimum Vertical Underclearance	<input type="text" value="0 = N/A"/>			Minimum vertical underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>					
Appraisal ratings - underclearances	<input type="text" value="N/A [N]"/>									

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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Better than present minimum criteria [7]"/>
Condition ratings - substructure	<input type="text" value="Good [7]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="47.8"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="August 2009 [0809]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="August 2009 [0809]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>