

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**

New York [36] Jefferson County [045] Orleans [55398] 2.5 MI.SW OF ALEX. BAY 44-18-08 = 44.302222 075-58-58 = - 75.982778

5523240 Highway agency district 73 Owner Local Toll Authority [32] Maintenance responsibility Local Toll Authority [32]

Route 81 RTE I81 Toll Toll bridge [1] Features intersected COUNTY ROAD # 100, ST.LA

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 7786 km = 4827.3 mi

3 Suspension [13] 42 Stringer/Multi-beam or girder [02] Year built 1938 Year reconstructed 1986

Skew angle 0 Structure Flared

Historical significance Historical significance is not determinable at this time. [4]

Total length 1371.6 m = 4500.2 ft Length of maximum span 243.8 m = 799.9 ft Deck width, out-to-out 9.2 m = 30.2 ft Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft

Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft Curb or sidewalk width - left 0.8 m = 2.6 ft Curb or sidewalk width - right 0.8 m = 2.6 ft

Deck structure type Closed Grating [4]

Type of wearing surface Other [9]

Deck protection

Type of membrane/wearing surface

**Weight Limits**

Bypass, detour length 19.9 km = 12.3 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 32.6 metric ton = 35.9 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 81.9 metric ton = 90.1 tons

Bridge posting Equal to or above legal loads [5] Design Load M 18 / H 20 [4]

### Functional Details

Average Daily Traffic	5600	Average daily truck traffi	25	%	Year	2009	Future average daily traffic	6213	Year	2031
Road classification	Principal Arterial - Interstate (Rural) [01]		Lanes on structure	2		Approach roadway width	7.3 m = 24.0 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 [6]		Lanes under structure	7		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	45.7 m = 149.9 ft			Navigation horizontal clearance	60.9 m = 199.8 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	4.87 m = 16.0 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	2.4 m = 7.9 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	4.67 m = 15.3 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Somewhat better than minimum adequacy to tolerate being left in place as is [5]									

### Repair and Replacement Plans

Type of work to be performed	Work done by Work to be done by contract [1]									
Widening of existing bridge with deck rehabilitation or replacement. [34]	Bridge improvement cost	6351000	Roadway improvement cost	3719000						
	Length of structure improvement	1371.6 m = 4500.2 ft			Total project cost	10070000				
	Year of improvement cost estimate	2011								
	Border bridge - state	Unknown [CAN]				Border bridge - percent responsibility of other state				
	Border bridge - structure number	0								

## 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="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
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" value="None present but re-evaluation suggested [5]"/>	Sufficiency rating	<input type="text" value="42"/>
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"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="August 2011 [0811]"/>	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="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>