

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**

New York [36] Bronx County [005] New York [51000] CITY ISLAND BRIDGE 40-51-22 = 40.856111 073-47-36 = 73.793333

2240210 Highway agency district #Num! Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]

Route 0 CITY ISLAND BRDGE Toll On free road [3] Features intersected EASTCHESTER BAY

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 223.7 km = 138.7 mi

2 Truss - Thru [10] 5 Stringer/Multi-beam or girder [02] Year built 1901 Year reconstructed 1977

Skew angle 0 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 173.4 m = 568.9 ft Length of maximum span 25.2 m = 82.7 ft Deck width, out-to-out 10.6 m = 34.8 ft Bridge roadway width, curb-to-curb 10 m = 32.8 ft

Inventory Route, Total Horizontal Clearance 10 m = 32.8 ft Curb or sidewalk width - left 2.4 m = 7.9 ft Curb or sidewalk width - right 2.4 m = 7.9 ft

Deck structure type Concrete Cast-in-Place [1]

Type of wearing surface Latex Concrete or similar additive [3]

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 7.4 metric ton = 8.1 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 41.3 metric ton = 45.4 tons

Bridge posting Equal to or above legal loads [5] Design Load

### Functional Details

Average Daily Traffic	11900	Average daily truck traffi	5	%	Year	2011	Future average daily traffic	16660	Year	2031
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	3		Approach roadway width	10 m = 32.8 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	Waterway [5]		Lanes under structure	0		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	3.6 m = 11.8 ft			Navigation horizontal clearance	16.4 m = 53.8 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	3.28 m = 10.8 ft					
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	99.9 = Unlimited				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A			Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]					
Appraisal ratings - underclearances	N/A [N]									

### 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	86930000	Roadway improvement cost	8158000		
	Length of structure improvement	173.4 m = 568.9 ft		Total project cost	95088000	
	Year of improvement cost estimate	2011				
	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="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - superstructure	<input type="text" value="Serious [3]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
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="Poor [4]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="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. [6]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="1"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
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="October 2011 [1011]"/>	Designated inspection frequency	<input type="text" value="12"/> Months
Underwater inspection	<input type="text" value="Unknown [Y60]"/>	Underwater inspection date	<input type="text" value="September 2008 [0908]"/>
Fracture critical inspection	<input type="text" value="Every year [Y12]"/>	Fracture critical inspection date	<input type="text" value="October 2011 [1011]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>