

# HistoricBridges.org - National Bridge Inventory Data Sheet

2011 Inventory

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

Connecticut [09]	Fairfield County [001]	New Canaan [50580]	OVER ROUTE 15	41-07-18 = 41.121667	073-28-24 = - 73.473333
713	Highway agency district 3	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 0		WHITE OAK SHADE RD	Toll On free road [3]	Features intersected ROUTE 15	
Design - main	Concrete [1]	Design - approach		Kilometerpoint 162.5 km = 100.8 mi	
1	Frame [07]	0	Other [00]	Year built 1938	Year reconstructed 1991
				Skew angle 24	Structure Flared
				Historical significance Bridge is on the NRHP. [1]	
Total length 23.8 m = 78.1 ft	Length of maximum span 20.7 m = 67.9 ft	Deck width, out-to-out 11 m = 36.1 ft	Bridge roadway width, curb-to-curb 9.1 m = 29.9 ft		
Inventory Route, Total Horizontal Clearance 9.1 m = 29.9 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	Bituminous [6]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface	Preformed Fabric [2]				

## Weight Limits

Bypass, detour length 0.3 km = 0.2 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating 32.4 metric ton = 35.6 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating 54 metric ton = 59.4 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]

## Functional Details

Average Daily Traffic	5930	Average daily truck traffi	4	%	Year	2009	Future average daily traffic	2965	Year	2029
Road classification	Collector (Urban) [17]	Lanes on structure	2		Approach roadway width	9.4 m = 30.8 ft				
Type of service on bridge	Highway [1]	Direction of traffic	2 - way traffic [2]			Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Highway, with or without ped	Lanes under structure	4		Navigation control	Not applicable, no waterway. [N]				
Navigation vertical clearanc	0 = N/A				Navigation horizontal clearance	0 = N/A				
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft				Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	0.8 m = 2.6 ft					Minimum lateral underclearance on left	30.4 m = 99.7 ft			
Minimum Vertical Underclearance	3.94 m = 12.9 ft				Minimum vertical underclearance reference feature	Highway beneath structure [H]				
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

## Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by owner's forces [2]		
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	1000	Roadway improvement cost	1000
	Length of structure improvement	0.1 m = 0.3 ft	Total project cost	2000
	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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - deck	Good [7]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	48
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	June 2010 [0610]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Every year [Y12]	Other special inspection date	