HistoricBridges.org - National Bridge Inventory Data Sheet

2019 Inventory

The National Bridge Inventory contains data submitted by state transportion 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

Texas [48]	Tarrant County [439]	Fort Worth [27000]	.73 MI W OF HENDERSON ST	32-44-48.49 = 32.746803	097-20-46.57 = -97.346269

022200ZL1380001 | Highway agency district: 2 | Owner: City or Municipal Highway Agency [04] | Maintenance responsibility: City or Municipal Highway Agency [04]

Route: 0 | W LANCASTER AVE | Toll: On free road [3] | Features intersected: CLR FRK TRIN/FOREST PARK

Design - main	Steel continuous [4]	Design - approach	Steel [3]	Kilometerpoint	117.5 km = 72.8 mi
21	Truss - Deck [09]	27	Stringer/Multi-beam or girder [02]	Year built	1938
				Year reconstructed	2010
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length: 907.1 m = 2976.2 ft | Length of maximum span: 40.5 m = 132.9 ft | Deck width, out-to-out: 15.4 m = 50.5 ft | Bridge roadway width, curb-to-curb: 12.2 m = 40.0 ft

Inventory Route, Total Horizontal Clearance: 12.2 m = 40.0 ft | Curb or sidewalk width - left: 1.6 m = 5.2 ft | Curb or sidewalk width - right: 1.6 m = 5.2 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: Unknown [8]

Weight Limits

Bypass, detour length: 0.2 km = 0.1 mi

Method to determine inventory rating: Load Factor(LF) [1] | Inventory rating: 8.2 metric ton = 9.0 tons

Method to determine operating rating: Load Factor(LF) [1] | Operating rating: 14.5 metric ton = 16.0 tons

Bridge posting: Equal to or above legal loads [5] | Design Load: M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic: 11518
Average daily truck traffi: 0 %
Year: 2014
Future average daily traffic: 12670
Year: 2034

Road classification: Minor Arterial (Urban) [16]
Lanes on structure: 4
Approach roadway width: 12.2 m = 40.0 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-waterway-railroad [8
Lanes under structure: 12
Navigation control:

Navigation vertical clearanc: 0 = N/A
Navigation horizontal clearance: 0 = N/A

Minimum navigation vertical clearance, vertical lift bridge:
Minimum vertical clearance over bridge roadway: 99.99 m = 328.1 ft

Minimum lateral underclearance reference feature: Railroad beneath structure [R]

Minimum lateral underclearance on right: 8.3 m = 27.2 ft
Minimum lateral underclearance on left: 0 = N/A

Minimum Vertical Underclearance: 7.04 m = 23.1 ft
Minimum vertical underclearance reference feature: Railroad beneath structure [R]

Appraisal ratings - underclearances: Superior to present desirable criteria [9]

Repair and Replacement Plans

Type of work to be performed:
Other structural work, including hydraulic replacements. [38]

Work done by: Work to be done by contract [1]

Bridge improvement cost: 238000
Roadway improvement cost: 60000

Length of structure improvement: 907.1 m = 2976.2 ft
Total project cost: 298000

Year of improvement cost estimate:

Border bridge - state:
Border bridge - percent responsibility of other state:

Border bridge - structure number:

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	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	Equal to present desirable criteria [8]
Status evaluation	
Pier or abutment protection	
Sufficiency rating	19.8
Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	March 2018 [0318]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	December 2017 [1217]
Other special inspection	Not needed [N]	Other special inspection date	