

HistoricBridges.org - National Bridge Inventory Data Sheet

2018 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

| | | | | | |
|---|----------------------------|---------------------------------|----------------------------|------------------------------------|----------------------------|
| Texas [48] | Parker County [367] | Unknown [00000] | 1.7 MI W OF FM 113 | 32-40-01.10 = 32.666972 | 098-01-56.70 = -98.032417 |
| 21840031401006 | Highway agency district: 2 | Owner State Highway Agency [01] | Maintenance responsibility | State Highway Agency [01] | |
| Route 20 | | IH 20 NFR | Toll On free road [3] | Features intersected BRAZOS RIVER | |
| Design - main | Steel [3] | Design - approach | Concrete [1] | Kilometerpoint | 396.6 km = 245.9 mi |
| 3 | Truss - Thru [10] | 11 | Tee beam [04] | Year built | 1934 |
| | | | | Year reconstructed | N/A [0000] |
| | | | | Skew angle | 0 |
| | | | | Structure Flared | |
| | | | | Historical significance | Bridge is on the NRHP. [1] |
| Total length | 271.9 m = 892.1 ft | Length of maximum span | 50.3 m = 165.0 ft | Deck width, out-to-out | 8.3 m = 27.2 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 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 | Unknown [8] | | | | |
| Type of membrane/wearing surface | Unknown [8] | | | | |

Weight Limits

| | | | | |
|-----------------------|--------------------------------------|-------------------------|------------------|-----------------------------|
| Bypass, detour length | Method to determine inventory rating | Load Factor(LF) [1] | Inventory rating | 20 metric ton = 22.0 tons |
| 0 km = 0.0 mi | Method to determine operating rating | Load Factor(LF) [1] | Operating rating | 32.7 metric ton = 36.0 tons |
| | Bridge posting | 20.0 - 29.9 % below [2] | Design Load | |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---------------------------------------|------|--|------------------------------|------|------|------|
| Average Daily Traffic | 1160 | Average daily truck traffi | 30 | % | Year | 2013 | Future average daily traffic | 1620 | Year | 2033 |
| Road classification | Major Collector (Rural) [07] | | Lanes on structure | 2 | | Approach roadway width | 9.8 m = 32.2 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 | Waterway [5] | | Lanes under structure | 0 | | 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 | 4.52 m = 14.8 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] | | |
| Other structural work, including hydraulic replacements. [38] | Bridge improvement cost | 43000 | Roadway improvement cost | 11000 |
| | Length of structure improvement | 271.9 m = 892.1 ft | Total project cost | 54000 |
| | 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="Posted for load [P]"/> | Appraisal ratings - structural | <input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/> |
| Condition ratings - superstructure | <input type="text" value="Poor [4]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Equal to present desirable criteria [8]"/> |
| Condition ratings - substructure | <input type="text" value="Good [7]"/> | Appraisal ratings - deck geometry | <input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/> |
| Condition ratings - deck | <input type="text" value="Fair [5]"/> | | |
| Scour | <input type="text" value="Countermeasures have been installed to mitigate an existing problem with scour. [7]"/> | | |
| 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="Superior to present desirable criteria [9]"/> | Status evaluation | <input type="text" value="Structurally deficient [1]"/> |
| Pier or abutment protection | <input type="text" value="Navigation protection not required [1]"/> | Sufficiency rating | <input type="text" value="40.8"/> |
| 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="September 2016 [0916]"/> | 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="July 2016 [0716]"/> |
| Other special inspection | <input type="text" value="Not needed [N]"/> | Other special inspection date | <input type="text"/> |