# HistoricBridges.org - National Bridge Inventory Data Sheet

**2013 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

| | | | | | |
|---|---|---|---|---|---|
| Georgia [13] | Hall County [139] | Gainesville [31908] | IN NW GAINESVILLE | 34-19-20.34 = 34.322317 | 083-52-47.83 = -83.879953 |

| | | | | | |
|---|---|---|---|---|---|
| 13900200 | Highway agency district 1 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01] | | |
| Route: 53 | | SR 53 (WBL) | Toll: On free road [3] | Features intersected: CHATT RIV (LAKE LANIER) | |

| | | | | | |
|---|---|---|---|---|---|
| Design - main: Steel continuous [4] | Design - approach: Steel continuous [4] | Kilometerpoint: 79.1 km = 49.0 mi | | | |
| 5 | Truss - Deck [09] | 4 | Stringer/Multi-beam or girder [02] | Year built: 1956 | Year reconstructed: 1992 |
| | | | | Skew angle: 0 | Structure Flared: |
| | | | | Historical significance: Bridge is not eligible for the NRHP. [5] | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Total length: 370.6 m = 1215.9 ft | Length of maximum span: 79.2 m = 259.9 ft | Deck width, out-to-out: 9.5 m = 31.2 ft | Bridge roadway width, curb-to-curb: 7.8 m = 25.6 ft | | | | |
| Inventory Route, Total Horizontal Clearance: 7.8 m = 25.6 ft | Curb or sidewalk width - left: 0.5 m = 1.6 ft | Curb or sidewalk width - right: 0.5 m = 1.6 ft | | | | | |
| Deck structure type: Closed Grating [4] | | | | | | | |
| Type of wearing surface: Epoxy Overlay [5] | | | | | | | |
| Deck protection: Unknown [8] | | | | | | | |
| Type of membrane/wearing surface: | | | | | | | |

## Weight Limits

| | | | | | |
|---|---|---|---|---|---|
| Bypass, detour length | Method to determine inventory rating: Allowable Stress(AS) [2] | | Inventory rating: 32.4 metric ton = 35.6 tons | | |
| 0.1 km = 0.1 mi | Method to determine operating rating: Allowable Stress(AS) [2] | | Operating rating: 47.7 metric ton = 52.5 tons | | |
| | Bridge posting: Equal to or above legal loads [5] | | Design Load: MS 18 / HS 20 [5] | | |

## Functional Details

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Average Daily Traffic | 24810 | Average daily truck traffi | 0 % | Year | 2011 | Future average daily traffic | 37215 | Year | 2031 |

| | | | | | |
|---|---|---|---|---|---|
| Road classification | Other Principal Arterial (Urban) [14] | Lanes on structure | 2 | Approach roadway width | 8.3 m = 27.2 ft |
| Type of service on bridge | Highway [1] | Direction of traffic | 1 - way traffic [1] | Bridge median | Open median [1] |
| Parallel structure designation | The left structure of parallel bridges. This structure carries traffic in the opposite direction. [L] | | | | |
| 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 | 0 m = 0.0 ft | Minimum vertical clearance over bridge roadway | 99.99 m = 328.1 ft | | |
| Minimum lateral underclearance reference feature | Feature not a highway or railroad [N] | | | | |
| Minimum lateral underclearance on right | 0 = N/A | 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

| | | | |
|---|---|---|---|
| Bridge improvement cost | 4751000 | Roadway improvement cost | 475000 |
| Length of structure improvement | 0 m = 0.0 ft | Total project cost | 7127000 |
| Year of improvement cost estimate | 2013 | | |
| 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 | Equal to present minimum criteria [6] |
| Condition ratings - superstructure | Satisfactory [6] | Appraisal ratings - roadway alignment | Better than present minimum criteria [7] |
| 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 assessed or calculated scour condition. [5] | | |
| Channel and channel protection | 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 | Superior to present desirable criteria [9] | Status evaluation | Functionally obsolete [2] |
| Pier or abutment protection | | Sufficiency rating | 78.5 |
| Culverts | Not applicable. Used if structure is not a culvert. [N] | | |
| Traffic safety features - railings | Inpected feature meets currently acceptable standards. [1] | | |
| Traffic safety features - transitions | Inpected feature meets currently acceptable standards. [1] | | |
| Traffic safety features - approach guardrail | Inpected feature meets currently acceptable standards. [1] | | |
| Traffic safety features - approach guardrail ends | Inpected feature meets currently acceptable standards. [1] | | |
| Inspection date | June 2012 [0612] | Designated inspection frequency | 24 Months |
| Underwater inspection | Unknown [Y60] | Underwater inspection date | June 2012 [0612] |
| Fracture critical inspection | Every year [Y12] | Fracture critical inspection date | June 2012 [0612] |
| Other special inspection | Unknown [N00] | Other special inspection date | |