

HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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

| | | | | | |
|---|----------------------------|---------------------------------|----------------------------|----------------------------------|--|
| Kentucky [21] | Henderson County [101] | Unknown [00000] | .01 MI EAST OF JCT KY1078 | 37-51-44 = 37.862222 | 087-24-40 = - 87.411111 |
| 051B00015N | Highway agency district 2 | Owner State Highway Agency [01] | Maintenance responsibility | State Highway Agency [01] | |
| Route 60 | | US-60 | Toll On free road [3] | Features intersected GREEN RIVER | |
| Design - main | Steel [3] | Design - approach | Steel [3] | Kilometerpoint | 3112.5 km = 1929.8 mi |
| 2 | Truss - Thru [10] | 6 | Truss - Deck [09] | Year built | 1930 |
| | | | | Year reconstructed | N/A [0000] |
| | | | | Skew angle | 0 |
| | | | | Structure Flared | |
| | | | | Historical significance | Bridge is not eligible for the NRHP. [5] |
| Total length | 336.2 m = 1103.1 ft | Length of maximum span | 109.7 m = 359.9 ft | Deck width, out-to-out | 7.4 m = 24.3 ft |
| Inventory Route, Total Horizontal Clearance | 6 m = 19.7 ft | Curb or sidewalk width - left | 0.1 m = 0.3 ft | Curb or sidewalk width - right | 0.1 m = 0.3 ft |
| Deck structure type | Concrete Cast-in-Place [1] | | | | |
| Type of wearing surface | Low slump Concrete [4] | | | | |
| Deck protection | | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | | |
|-----------------------|--------------------------------------|-----------------------------------|------------------|-----------------------------|
| Bypass, detour length | Method to determine inventory rating | Load Factor(LF) [1] | Inventory rating | 23.7 metric ton = 26.1 tons |
| 1.6 km = 1.0 mi | Method to determine operating rating | Load Factor(LF) [1] | Operating rating | 39.6 metric ton = 43.6 tons |
| | Bridge posting | Equal to or above legal loads [5] | Design Load | M 13.5 / H 15 [2] |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---------------------------------------|------|--|--|------|------|------|
| Average Daily Traffic | 3190 | Average daily truck traffi | 5 | % | Year | 2011 | Future average daily traffic | 4753 | Year | 2031 |
| Road classification | Minor Arterial (Rural) [06] | | Lanes on structure | 2 | | Approach roadway width | 6.7 m = 22.0 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 | Waterway [5] | | Lanes under structure | 0 | | Navigation control | Navigation control on waterway (bridge permit required). [1] | | | |
| Navigation vertical clearanc | 24.2 m = 79.4 ft | | Navigation horizontal clearance | 106.7 m = 350.1 ft | | | | | | |
| Minimum navigation vertical clearance, vertical lift bridge | | | Minimum vertical clearance over bridge roadway | 4.67 m = 15.3 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 | 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 | 3640000 | Roadway improvement cost | 100000 |
| | Length of structure improvement | 33.6 m = 110.2 ft | Total project cost | 3739000 |
| | 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 | 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 replacement [2] |
| Condition ratings - deck | Satisfactory [6] | | |
| Scour | Bridge foundations determined to be stable for the assessed or calculated scour condition. [8] | | |
| Channel and channel protection | Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7] | | |
| Appraisal ratings - water adequacy | Equal to present desirable criteria [8] | Status evaluation | Structurally deficient [1] |
| Pier or abutment protection | None present but re-evaluation suggested [5] | Sufficiency rating | 39 |
| Culverts | Not applicable. Used if structure is not a culvert. [N] | | |
| Traffic safety features - railings | | | |
| Traffic safety features - transitions | | | |
| 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 | March 2011 [0311] | Designated inspection frequency | 12 Months |
| Underwater inspection | Unknown [Y60] | Underwater inspection date | July 2011 [0711] |
| Fracture critical inspection | Every two years [Y24] | Fracture critical inspection date | October 2011 [1011] |
| Other special inspection | Not needed [N] | Other special inspection date | |