**10-1109**

# KYTC Bridge Data Miner

Select from the following zoom options or Click on the map to show bridges...
The map will show bridges around the location you clicked or show bridges at large scales.
Click on a bridge for complete details about its structure information.

| Bridge ID | County | City | Route |
|---|---|---|---|

| | |
|---|---|
| Bridge ID: | 033B00031N |
| County: | Estill |
| Roadway: | KY-0594 |
| Road Name: | Red Lick Rd |
| Milepost: | 7.53 |
| Intersection: | Henderson Branch |
| Length: | 30.8 feet |
| Deck Width: | 20.3 feet |
| Roadway Width: | 0 feet |
| Status: | STRUCTURALLY DEFICIENT |
| Sufficiency Rating: | 2 |

**Condition Ratings:**

- Deck: 3
- Superstr.: 3
- Substr.: 5
- Channel: 7
- Culverts: N

**Appraisal Ratings:**

- Structural Eval: 3
- Deck Geometry: 2
- Underclearance: N
- Waterway Adeq: 8
- Alignment: 6

| | |
|---|---|
| Year Built: | 1936 |
| ADT: | 523 |
| Last Inspection: | 5/21/2014 |
| Inspection Frequency: | 12 Months |

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The Kentucky Transportation Cabinet (KYTC) inventories and inspects over 14,000 bridges in accordance with the National Bridge Inspection Standards (NBIS). Over 250 data items are collected and maintained on each bridge. A portion of this data is referred to as the National Bridge Inventory (NBI) and reported annually to the Federal Highway Administration (FHWA). Kentucky bridge maintenance activities are funded through state road funds and the FHWA Highway Bridge Replacement and Rehabilitation Program (HBRRP). The annual National Bridge Inventory (NBI) report determines the amount of HBRRP funds Kentucky will receive for a given fiscal year. The amount of state road funds is determined through the state legislative budgetary process.

HBRRP eligibility:
**Rehabilitation:** The bridge must be structurally deficient or functionally obsolete and have a sufficiency rating of 80 or less.
**Replacement:** The bridge must be structurally deficient or functionally obsolete and have a sufficiency rating of less than 50.

Condition ratings and appraisal ratings are key data items that determine the Sufficiency Rating, Structural Deficiency and Functional Obsolescence of a bridge.

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# NATIONAL BRIDGE INVENTORY
## KENTUCKY INVENTORY AND APPRAISAL REPORT
*Use of this document is subject to 23 USC SEC 409*

### IDENTIFICATION

| | |
|---|---|
| **(8)** STRUCTURE NUMBER | 033B00031N |
| **(1)** STATE NAME: | **KENTUCKY** |
| **(5)** INVENTORY ROUTE: | KY- 594 |
| **(2)** DISTRICT AGENCY DISTRICT: | 10 |
| **(3)**COUNTY CODE: 65 | **(4)**PLACE CODE:0000 |
| **(6)**FEATURES INTERSECTED : | HENDERSON BRANCH |
| **(9)**LOCATION: | 4.4 MI SW OF JCT KY 1139 |
| **(7)**FACILITY CARRIED: | KY-594 |
| **(11)**MILEPOINT: | 7.53 |
| **(12)**BASE HIGHWAY NETWORK: | 0 |
| **(13)**LRS INVENTORY ROUTE&SUBROUTE: | |
| **(16)**LATITUDE: | 37.62 N DEGREES |
| **(17)**LONGITUDE: | -84.01 W DEGREES |
| **(98)**BORDER BRIDGE STATE CODE: Unknown | % shared: Unknown |
| **(99)**BORDER BRIDGE STRUCTURE NO.: | |

### STRUCTURE TYPE AND MATERIAL

| | |
|---|---|
| **(43)**STRUCTURE TYPE MAIN: | 3 |
| **(44)**STRUCTURE TYPE APPR: | ! |
| **(45)**NUMBER OF SPANS IN MAIN UNIT: | 1 |
| **(46)**NUMBER OF APPROACH SPANS: | 0 |
| **(107)**DECK STRUCTURE TYPE: | 1 |
| **(108)**WEARING SURFACE PROTECTION SYSTEM: | 6 |
| **(108A)**TYPE OF WEARING SURFACE: | 6 |
| **(108B)**TYPE OF MEMBRANE: | 0 |
| **(108C)**TYPE OF DECK PROTECTION: | 0 |

### AGE AND SERVICE

| | |
|---|---|
| **(27)**YEAR BUILT: | 1936 |
| **(106)**YEAR RECONSTRUCTED: | 0 |
| **(42A)**TYPE OF SERVICE-ON: | CODE: 1 |
| **(42B)**TYPE OF SERVICE-UNDER: | CODE: 5 |
| **(28)**LANES ON STRUCTURE : 2 | LANES UNDER STRUCTURE: 0 |
| **(29)**AVERAGE DAILY TRAFFIC: | 523 |
| **(30)**YEAR OF ADT: 2013 | TRUCK ADT %0 |
| **(19)**BYPASS, DETOUR LENGTH: | 24.2mi. |

### GEOMETRIC DATA

| | |
|---|---|
| **(48)**LENGTH OF MAXIMUM SPAN: | 31 ft. |
| **(49)**STRUCTURE LENGTH: | 31 ft. |
| **(50)**CURB OR SIDEWALK LEFT: 0.00 | RIGHT:0.00 |
| **(51)**BRIDGE ROADWAY CURB TO CURB: | 19.00 ft. |
| **(52)**DECK WIDTH OUT TO OUT: | 20.30 ft. |
| **(32)**APPROACH ROADWAY WIDTH (W/SHOULDERS): | 16.10 ft. |
| **(33)**BRIDGE MEDIAN: | CODE: 0 |
| **(34)**SKEW: | 0 |
| **(10)**INVENTORY ROUTE MIN VERT CLEAR) Vclrinv): | 99.99 ft. |
| **(47)**INVENTORY ROUTE TOTAL HORIZ CLEAR (Vcllriv): | 18.7 ft. |
| **(53)**MIN VERT CLEAR OVER BRIDGE RDWY(vCLOVER): | 99.99 ft. |
| **(54)**MIN VER UNDERCLEAR REF(Refvuc): | (a) N (b) 0 |
| **(55)**MIN LAT UNDERCLEAR RT REF (Refhuc): | (a) Nft. (b) 0 ft. |
| **(56)**MIN LAT UNDERCLEAR LEFT(Hclruit) | 0 ft. |

### NAVIGATION DATA

| | |
|---|---|
| **(38)**NAVIGATION CONTROL: | 0 |
| **(111)**PIER PROTECTION: | |
| **(39)**NAVIGATION VERTICAL CLEARANCE: | 0 |
| **(116)**VERT-LIFT BRIDGE NAV MIN VERT CLEARANCE: | |
| **(40)**NAVIGATION HORZ CLEARANCE: | 0 |
| SUFFICIENCY RATING: | **2** |
| STATUS: | 1 |

### CLASSIFICATION

| | |
|---|---|
| **(112)**NBIS BRIDGE LENGTH: | Y |
| **(104)**HIGHWAY SYSTEM: | 0 |
| **(26)**FUNCTIONAL CLASS | 08 |
| **(100)**STRAHNET HIGHWAY: | 0 |
| **(101)**PARALLEL STRUCTURE: | N |
| **(102)**DIRECTION OF TRAFFIC: | 2 |
| **(103)**TEMPORARY STRUCTURE: | |
| **(105)**FEDERAL LANDS HIGHWAY: | 0 |
| **(110)**DESIGNATED NATIONAL NETWORK: | 0 |
| **(20)**TOLL: | 3 |
| **(21)**MAINTAIN: | 01 |
| **(22)**OWNER: | 01 |
| **(37)**HISTORICAL SIGNIFICANCE | 5 |

### CONDITION

| | |
|---|---|
| **(58)**DECK: | 3 |
| **(59)**SUPERSTRUCTURE: | 3 |
| **(60)**SUBSTRUCTURE: | 5 |
| **(61)**CHANNEL AND CHANNEL PROTECTION : | 7 |
| **(61)**CULVERTS: | N |

### LOAD RATING AND POSTING

| | |
|---|---|
| **(31)**DESIGN LOAD : | 2 |
| **(63)**OPERATING RATING METHOD: | 1 |
| **(64)**OPERATING RATING: | 11 Tons |
| **(65)**INVENTORY RATING METHOD: | 1 |
| **(66)**INVENTORY RATING: | 11 Tons |
| **(70)**BRIDGE POSTING: | 0 |
| **(41)**STRUCTURE OPEN,POSTED OR CLOSED: | P |

### APPRAISAL

| | |
|---|---|
| **(67)**STRUCTURE EVALUATION: | 3 |
| **(68)**DECK GEOMETRY: | 2 |
| **(69)**UNDERCLEARANCE,VERTICAL & HORIZONTAL: | N |
| **(71)**WATERWAY ADEQUACY: | 8 |
| **(72)**APPROACH ROADWAY ALIGNMENT: | 6 |
| **(36)**TRAFFIC SAFETY FEATURES: | 0000 |
| **(113)**SCOUR CRITICAL BRIDGES: | 8 |

### PROPOSED IMPROVEMENTS

| | |
|---|---|
| **(75)**TYPE OF WORK: | 341 |
| **(76)**LENGTH OF STRUCTURE IMPROVEMENTS: | 3 |
| **(94)**BRIDGE IMPROVEMENT COST: | 79000 |
| **(95)**ROADWAY IMPROVEMENT COST: | 0 |
| **(96)**TOTAL PROJECT COST: | 79000 |
| **(97)**YEAR OF IMPROVEMENT COST ESTIMATE | 1994 |
| **(114)**FUTURE ADT: | 638 |
| **(115)**YEAR OF FUTURE ADT: | 2033 |

### INSPECTIONS

| | |
|---|---|
| **(90)**INSPECTION DATE: | 5/21/2014 |
| **(91)**FREQUENCY: | 12months |
| **(92A)**FRACTURE CRITICAL DETAIL: | N |
| **(92B)**UNDERWATER INSPECTION: | N |
| **(92C)**OTHER SPECIAL INSPECTIONS: | N |
| **(93A)** FC DETAILS INSP DATE: | 1/1/1901 |
| **(93B)**UW DETAILS INSP DATE: | 1/1/1901 |
| **(93C)OTHER SPECIAL INSP DATE:** | 1/1/1901 |