

V. BRIDGES AND OVERPASSES

The KYTC Highway Information Systems (HIS) database lists eighty-three bridge structures along the Ford and Breathitt Parkways in the study area. Data on these structures is included in **Appendix F – Highway Information System Summary of Parkway Data**. Of the 83 structures, 50 are mainline bridges (i.e., bridges carrying “through traffic” lanes) and the remaining are overpasses, culverts, or bridges that accommodate other uses (i.e., bridges carrying ramps or auxiliary lanes). **Table 10** summarizes the number and type of each structure.

Table 10 – Summary of Structure Types

| Type | Number of Structures | |
|-------------------------|----------------------|--------------|
| | Breathitt Parkway | Ford Parkway |
| Mainline Bridges | 28 | 22 |
| Overpasses | 14 | 9 |
| Culverts | 4 | 6 |
| Total | 46 | 37 |

The mainline bridges along the two Parkways and the overpass bridges passing above the Parkways present potential concerns related to lateral (i.e. horizontal) and vertical clearance widths, respectively. Furthermore, the functional and structural condition of these bridges is an added issue that is relevant where consideration is being given to adding additional traffic (particularly truck traffic) to these structures or to determining if they should be widened, rehabilitated, or replaced. The lateral and vertical clearance issues, along with the condition and safety appurtenances associated with bridges along the Ford and Breathitt Parkways, are discussed below.

A. Lateral Clearances of Bridges

Simply stated, lateral clearance problems involve bridge widths that are too narrow to meet current design guidelines. Limited lateral (or horizontal) clearance on bridges is a common problem on many highway facilities, including most interstate highways throughout the United States.

Current AASHTO freeway design guidelines recommend that the approach roadway width (driving lanes plus shoulders) be carried across the bridge plus a 2'-00" offset for approach guardrail. However, it is acceptable to omit the 2'-00" offset on the right and left bridge approaches and use a 20:1 transition rate from the approach rail to the bridge rail. In each direction of travel on a four-lane freeway, this equates to a minimum lateral clearance of 38'-00" (2-12' lanes, 10' right and 4' left shoulder).

The AASHTO guidelines found in “A Policy on Geometric Design of Highways and Streets, 4th Edition” (American Association of State Highway Officials, 2001) also state the following on Page 510:

“The clear width on bridges carrying freeway traffic should be as wide as the approach roadway. On bridges longer than 200 feet, some economy in substructure costs may be gained by building a single structure rather than twin parallel structures. In such cases, the approach shoulder widths are provided and a median barrier is extended across the bridge.”

In addition, the AASHTO guidelines state on Page 764:

“...For this reason, the clear width on bridges should preferably be as wide as the approach roadway in order to give drivers a sense of openness and continuity. On long bridges, particularly on long-span structures where cost per square meter is greater than the cost on short-span structures, widths that are less than ideal may be acceptable; however, economy alone should not be the governing factor in determining structure widths. The analysis of traffic characteristics, safety features, emergency contingencies, and benefit/cost ratios should be fully considered before the desirable structure width is compromised.”



The lateral clearances (widths) of mainline bridges along the Parkways often do not meet AASHTO guidelines, which require bridge widths equal to the paved roadway plus shoulder widths.

The Draft AASHTO Policy on Design Standards, Interstate System says the following:

“Long bridges, defined as bridges having an overall length in excess of 200 feet, may have a lesser width. Such bridges shall be analyzed individually. On long bridges, offsets to parapet, rail or barrier shall be at least 4 feet measured from the edge of the nearest traffic lane on both the left and the right.”

These citations suggest that for those “long” bridges (over 200’ long), the lateral clearance criteria may be relaxed if conditions warrant.

In addition to the lateral clearance, the treatment of the curb on the bridges will need to be reviewed to insure the bridge railing/parapet meet the current guidelines.

Tables 11 and 12 summarize the length, width and horizontal clearance for each of the mainline bridges on the Ford and Breathitt Parkways. There are two measurements that are relevant to the width of the bridge, the width from the outside of the parapet to

the outside of the opposite parapet (width in **Tables 11 and 12**) and the width of roadway between the face of barrier or curbing (horizontal clearance in **Tables 11 and 12**).

On the Ford Parkway, of the 22 mainline bridges, 14 fail to meet the minimum horizontal clearance criteria. Of these, 12 are over 200 feet long.

Table 11 – Summary of Substandard Lateral Clearances Along the Ford Parkway

| County | Bridge No. | MP | Features Intersected | Length | Width | Horizontal Clearance |
|--------------|------------|--------|---------------------------|--------|-------|----------------------|
| FORD PARKWAY | | | | | | |
| Lyon | B00049P | 0.001 | I-24 @ MP 41.603 | 275 | 30.0 | 26.0 |
| Lyon | B00049 | 0.001 | I-24 @ MP 41.603 | 272 | 38.0 | 34.0 |
| Lyon | B00052 | 3.408 | P&L RR-ELKHORN TAVERN RD | 221 | 41.7 | 38.0 |
| Lyon | B00052P | 3.408 | P&L RR-ELKHORN TAVERN RD | 221 | 52.7 | 38.0 |
| Lyon | B00030 | 3.702 | US 62 | 226 | 39.8 | 38.3 |
| Lyon | B00030P | 3.703 | US 62 | 226 | 39.8 | 38.0 |
| Caldwell | B00029P | 11.357 | P&L RAILWAY | 189 | 33.0 | 30.0 |
| Caldwell | B00029 | 11.357 | P&L RAILWAY | 189 | 33.0 | 30.0 |
| Caldwell | B00033P | 21.752 | TRADEWATER RIVER | 207 | 33.0 | 30.0 |
| Caldwell | B00033 | 21.752 | TRADEWATER RIVER | 207 | 33.0 | 30.0 |
| Hopkins | B00138 | 22.003 | TRADEWATER RIVER OVERFLOW | 215 | 33.0 | 30.0 |
| Hopkins | B00138P | 22.003 | TRADEWATER RIVER OVERFLOW | 215 | 33.0 | 30.0 |
| Hopkins | B00139P | 24.887 | P&L RAILWAY | 131 | 38.0 | 38.0 |
| Hopkins | B00139 | 24.887 | P&L RAILWAY | 131 | 38.0 | 38.0 |
| Hopkins | B00140 | 28.346 | KY 112 & COPPERAS CREEK | 278 | 33.0 | 30.0 |
| Hopkins | B00140P | 28.346 | KY 112 & COPPERAS CREEK | 278 | 33.0 | 30.0 |
| Hopkins | B00143 | 33.872 | P&L RAILWAY SPUR & OAK RD | 260 | 33.0 | 30.0 |
| Hopkins | B00143P | 33.872 | P&L RAILWAY SPUR & OAK RD | 260 | 33.0 | 30.0 |
| Hopkins | B00144 | 36.900 | CSX TRANSPORTATION | 448 | 33.0 | 30.0 |
| Hopkins | B00144P | 36.900 | CSX TRANSPORTATION | 448 | 33.0 | 30.0 |
| Hopkins | B00145 | 38.311 | BREATHITT PARKWAY | 226 | 47.2 | 44.3 |
| Hopkins | B00145P | 38.311 | BREATHITT PARKWAY | 226 | 45.0 | 42.1 |

Bridge over 200' long with horizontal clearance less than 38'

Bridge under 200' long with horizontal clearance less than 38'

On the Breathitt Parkway, of the 28 mainline bridges, 14 fail to meet the minimum horizontal clearance criteria. Of these, 8 are over 200 feet long.

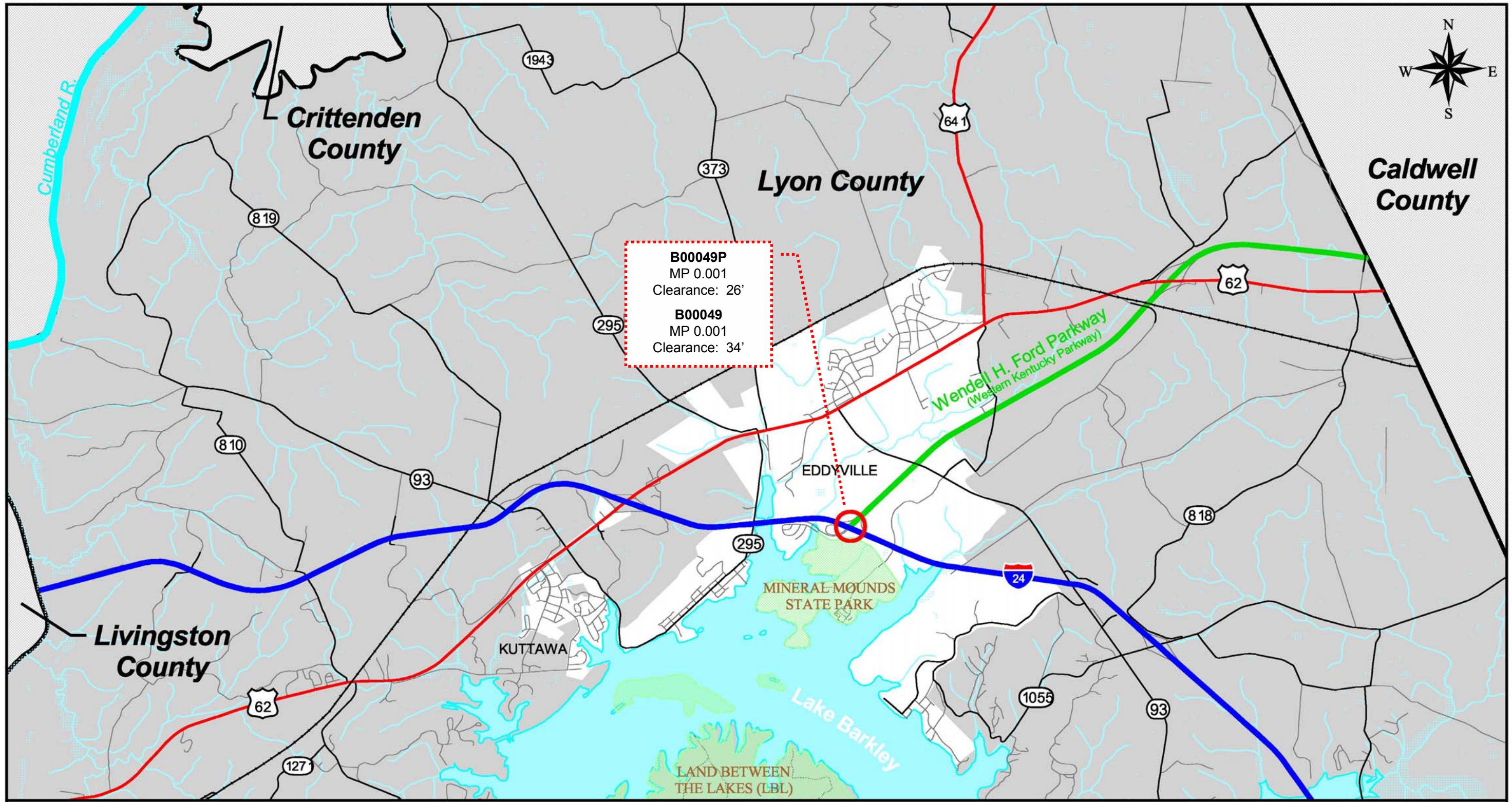
Table 12 – Summary of Substandard Lateral Clearances Along the Breathitt Parkway

| County | Bridge No. | MP | Features Intersected | Length | Width | Horizontal Clearance |
|--------------------------|------------|--------|--------------------------|--------|-------|----------------------|
| BREATHITT PARKWAY | | | | | | |
| Hopkins | B00095 | 37.054 | P&L RR-FLAT CREEK-KY 813 | 318 | 36.0 | 30.0 |
| Hopkins | B00095P | 37.054 | P&L RR-FLAT CREEK-KY 813 | 318 | 36.0 | 30.0 |
| Hopkins | B00096P | 39.774 | KY 2171 | 265 | 36.0 | 30.0 |
| Hopkins | B00096 | 39.774 | KY 2171 | 265 | 37.0 | 34.0 |
| Hopkins | B00100P | 42.418 | KENTUCKY 70 | 192 | 36.0 | 30.0 |
| Hopkins | B00100 | 42.418 | KENTUCKY 70 | 192 | 37.0 | 34.0 |
| Hopkins | B00101P | 43.438 | CSX RAILROAD | 159 | 36.0 | 30.0 |
| Hopkins | B00101 | 43.438 | CSX RAILROAD | 159 | 37.0 | 34.0 |
| Hopkins | B00020P | 48.805 | OTTER CREEK | 144 | 40.0 | 38.0 |
| Hopkins | B00020 | 48.805 | OTTER CREEK | 144 | 40.0 | 38.0 |
| Hopkins | B00210 | 48.970 | OTTER CREEK | 132 | 28.3 | 26.2 |
| Hopkins | B00211 | 48.971 | OTTER CREEK | 182 | 28.3 | 26.2 |
| Hopkins | B00021 | 48.979 | KY 260 @ HANSON | 161 | 39.0 | 38.0 |
| Hopkins | B00021P | 48.979 | KY 260 @ HANSON | 161 | 39.0 | 38.0 |
| Hopkins | B00012 | 54.070 | KY 138 | 174 | 40.0 | 38.0 |
| Hopkins | B00012P | 54.070 | KY 138 | 174 | 40.0 | 38.0 |
| Webster | B00069P | 56.523 | KY 147 | 163 | 40.0 | 38.0 |
| Webster | B00069 | 56.523 | KY 147 | 163 | 40.0 | 38.0 |
| Webster | B00071P | 59.280 | DEER CREEK | 368 | 33.0 | 30.0 |
| Webster | B00071 | 59.280 | DEER CREEK | 368 | 33.0 | 30.0 |
| Webster | B00072 | 60.476 | KY 370 | 166 | 40.0 | 38.0 |
| Webster | B00072P | 60.476 | KY 370 | 166 | 40.0 | 38.0 |
| Webster | B00074 | 63.887 | GROVES CREEK | 260 | 33.0 | 30.0 |
| Webster | B00074P | 63.888 | GROVES CREEK | 260 | 33.0 | 30.0 |
| Henderson | B00062P | 65.393 | ACCESS RD-BIG RIVERS RR | 183 | 41.0 | 38.0 |
| Henderson | B00062 | 65.393 | ACCESS RD-BIG RIVERS RR | 183 | 41.0 | 38.0 |
| Henderson | B00068 | 75.360 | ELAM DITCH | 141 | 40.0 | 38.0 |
| Henderson | B00068P | 75.360 | ELAM DITCH | 141 | 40.0 | 38.0 |

Bridge over 200' long with horizontal clearance less than 38'

Bridge under 200' long with horizontal clearance less than 38'

The locations of all bridges that fall short of the 38'00" minimum lateral clearance are shown on **Figures 10** through **13**. Please note that there is no map for Henderson County since there are no bridges in that county with widths below the minimum guidelines.



Existing Bridge Conditions
HORIZONTAL CLEARANCE

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Planning Study
Lyon County
Item No. 2-69.10


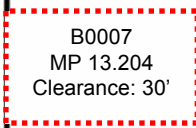
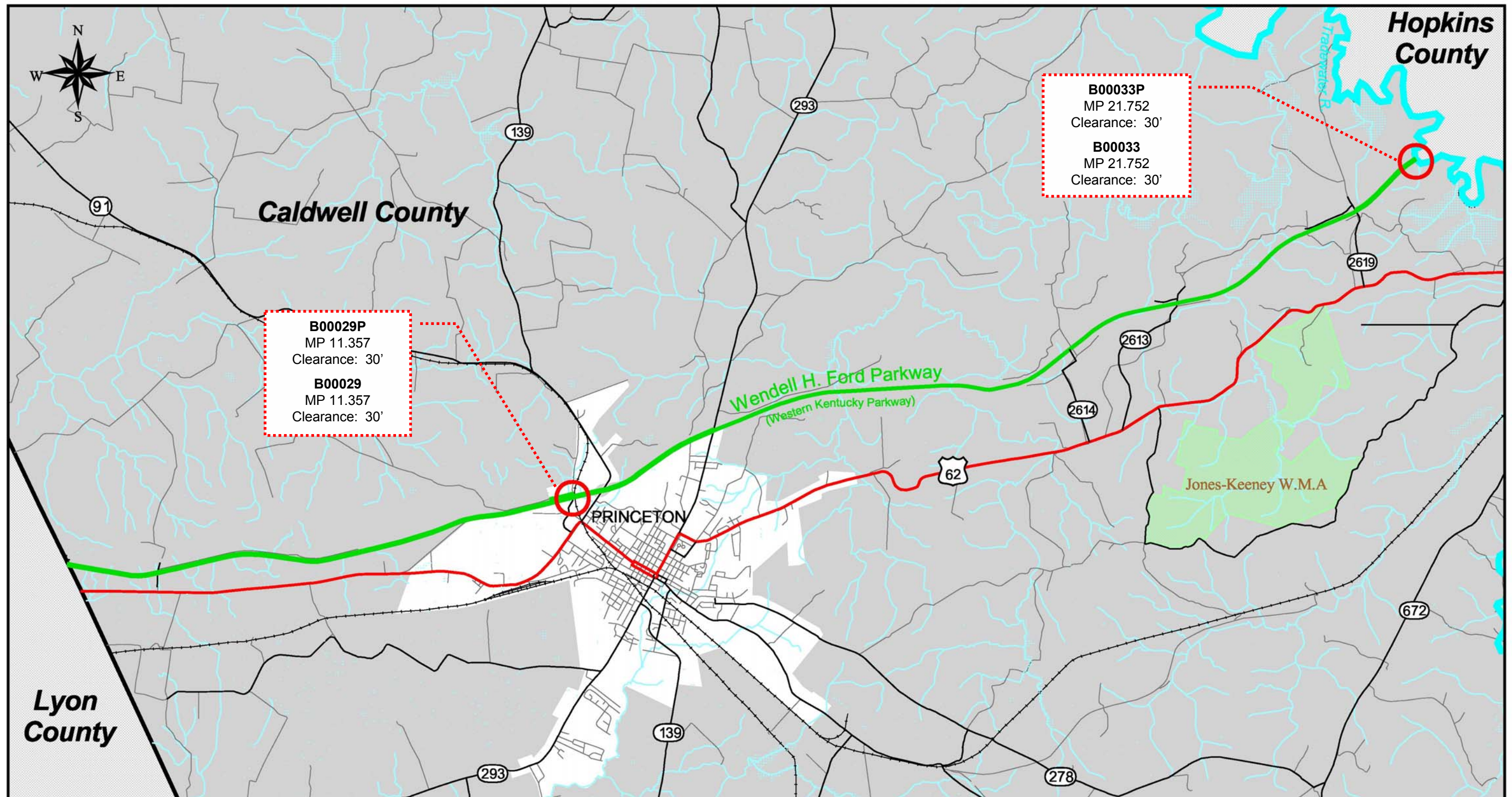
-  -Bridge Location
-  **B0007**
MP 13.204
Clearance: 30'
- Bridge Number
- Milepoint
- Horizontal Clearance



Figure 10. Substandard Horizontal Bridge Clearances for Lyon County 5-5



B00029P
MP 11.357
Clearance: 30'

B00029
MP 11.357
Clearance: 30'

B00033P
MP 21.752
Clearance: 30'

B00033
MP 21.752
Clearance: 30'

Lyon County

Caldwell County


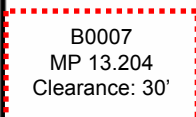
Hopkins County

PRINCETON

Wendell H. Ford Parkway
(Western Kentucky Parkway)

Jones-Keeney W.M.A.



-  -Bridge Location
-  **B0007**
MP 13.204
Clearance: 30'
- Bridge Number
- Milepoint
- Horizontal Clearance



Location Map



Existing Bridge Conditions
HORIZONTAL CLEARANCE

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Planning Study
Caldwell County
Item No. 2-69.10

Figure 11. Substandard Horizontal Bridge Clearances for Caldwell County 5-6

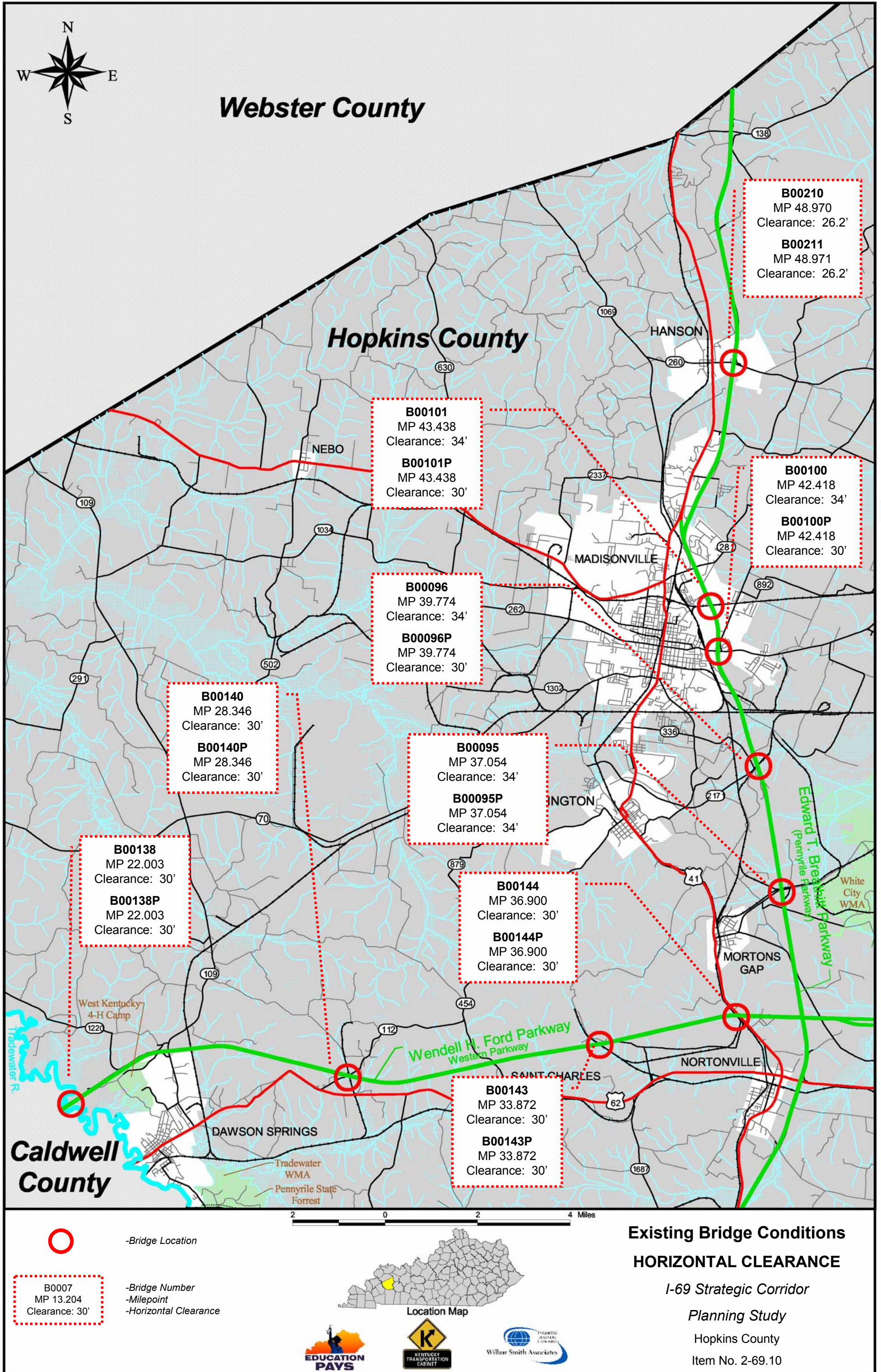
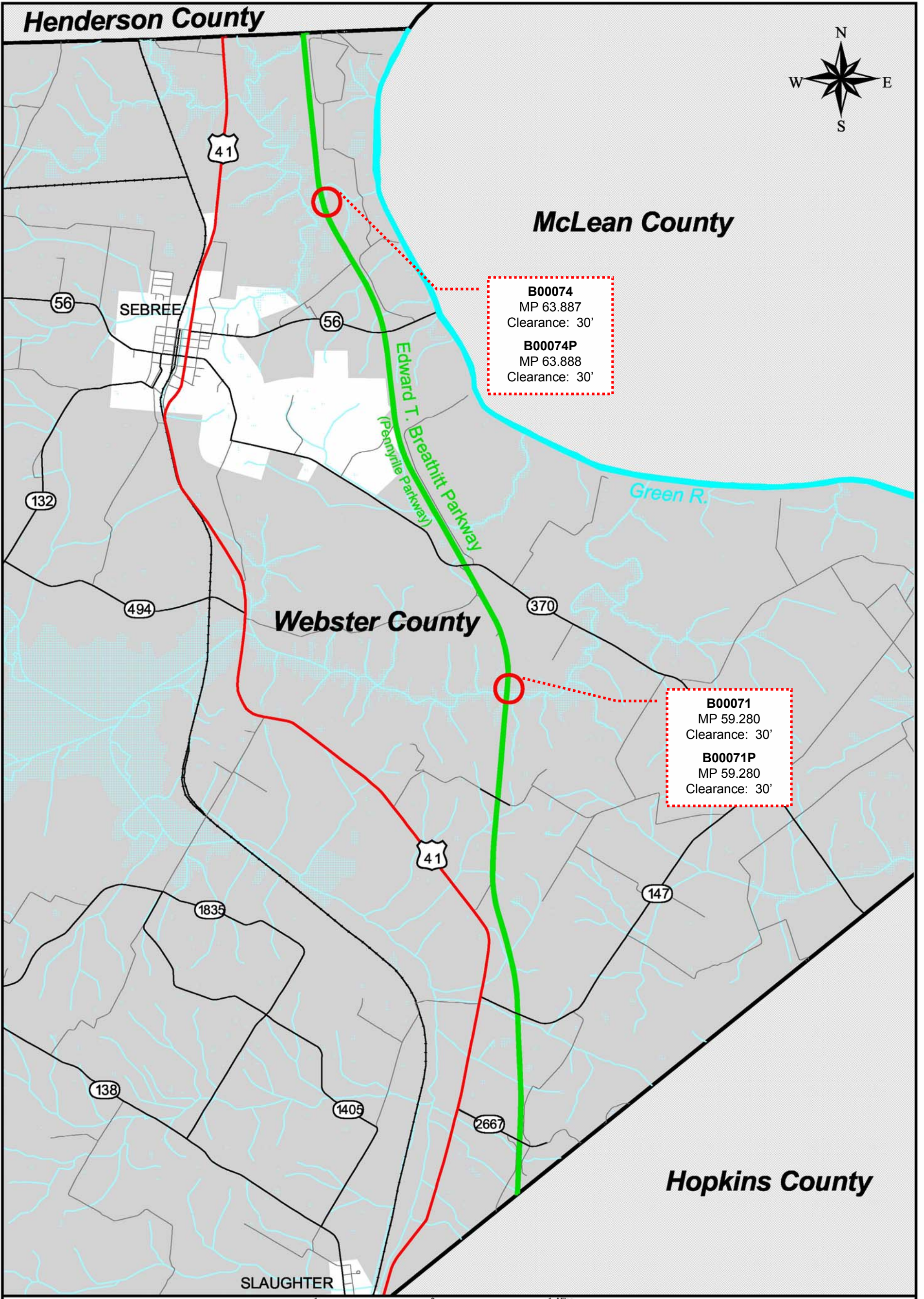


Figure 12. Substandard Horizontal Bridge Clearances for Hopkins County 5-7



B00074
 MP 63.887
 Clearance: 30'

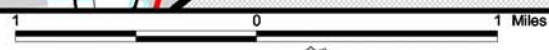
B00074P
 MP 63.888
 Clearance: 30'

B00071
 MP 59.280
 Clearance: 30'

B00071P
 MP 59.280
 Clearance: 30'

-Bridge Location

-Bridge Number
 MP 13.204 -Milepoint
 Clearance: 30' -Horizontal Clearance



Existing Bridge Conditions
HORIZONTAL CLEARANCE

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Planning Study

Webster County

Item No. 2-69.10

Figure 13. Substandard Horizontal Bridge Clearances for Webster County 5-8

B. Vertical Clearances of Overpasses

Vertical clearance, or the minimum height between the pavement and the bottom of bridge structures (overpasses) crossing over the Parkways, should be at least 16 feet across the entire roadway width, including auxiliary lanes and usable width of shoulder, in accordance with AASHTO guidelines. Additional allowances should be made for future staged paving or resurfacing. However, with the current practice of pavement recycling, the additional clearance may not be required if the existing pavement meets structural requirements for anticipated traffic loading.



The recommended vertical clearance (height) of bridges over the Parkways is 16 feet over each of the travel lanes and the outside shoulders.

Vertical clearances for those bridges that pass over the Parkways were collected from the KYTC Highway Information System (HIS) database. The clearances are recorded over the left edge of the passing lane, the centerline and the right edge of the driving lane. AASHTO guidelines also recommend that the clearance be recorded over the useable shoulder which, in the case of the Ford and Breathitt Parkways, would be the outside shoulders. Additional data collection would be required to obtain the clearance at the edge of the outside shoulder.

The clearances for the two Parkways are shown on **Tables 13** and **14**. As shown in **Table 13**, the Ford Parkway has four (4) bridges that have clearances less than 16', all located in Caldwell County. The lowest clearance is 14'09" on Bridge Number B00060 eastbound over KY 2614.

As shown in **Table 14**, there is only one bridge on the Breathitt Parkway that does not have a 16' clearance over the travel lanes: Bridge Number B00011 at KY 2665 has 15'10" clearance over the Parkway centerline and a 15' 07" clearance over the right edge of the driving lane in the southbound direction.

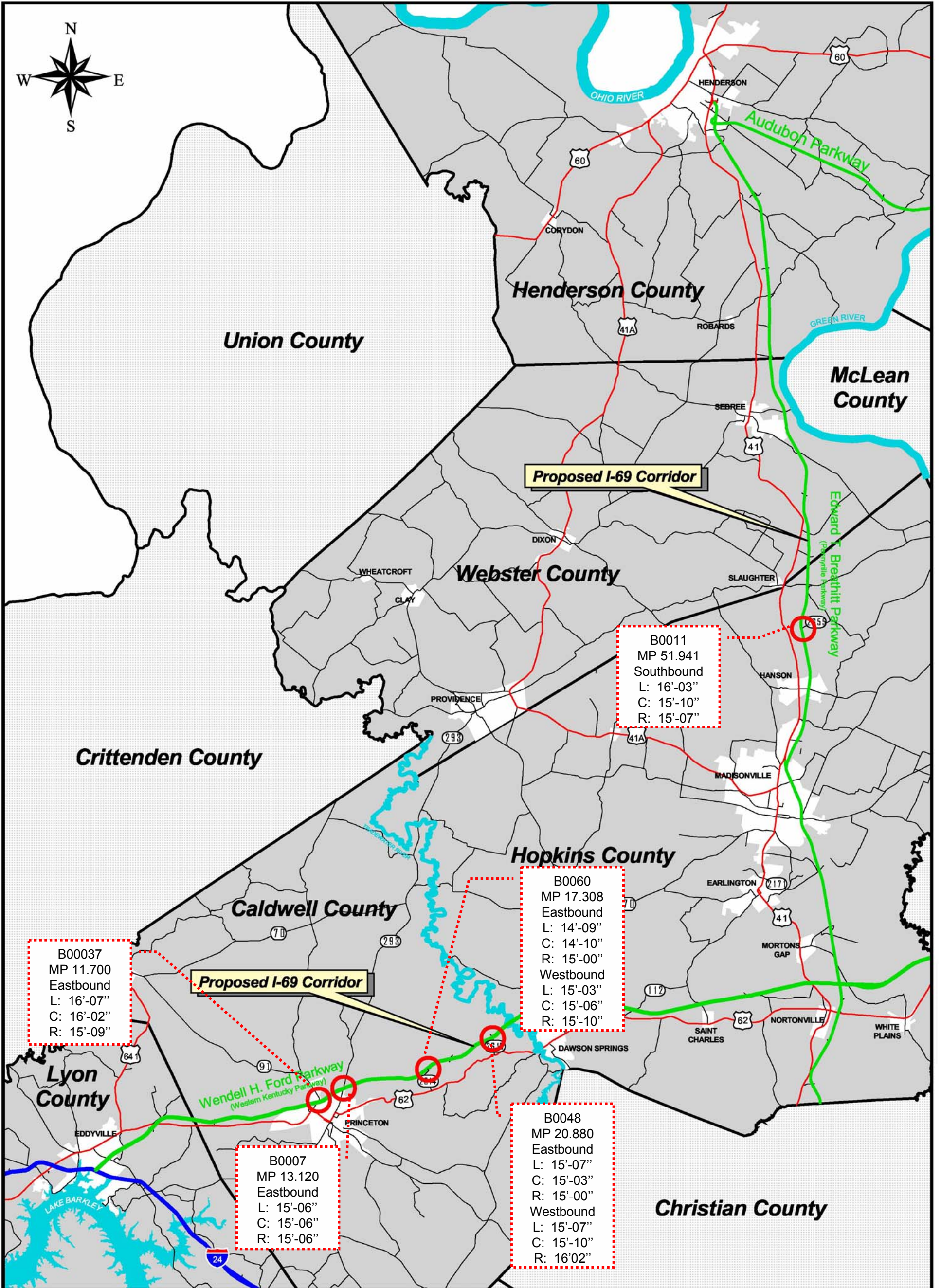
Bridges that do not meet current interstate design guidelines for vertical clearance are shown on **Figure 14**.

Table 13 – Summary of Substandard Vertical Clearances Along the Ford Parkway

| MP | Bridge # | Dir. | Location | County | Left Edge Passing Lane Clearance | Centerline Clearance | Right Edge Driving Lane Clearance |
|--------------------------------|---|------|---|----------|----------------------------------|----------------------|-----------------------------------|
| WENDELL H. FORD PARKWAY | | | | | | | |
| 0.085 | B00050 | EB | UNDER KY 93 | Lyon | 17'09" | 17'09" | 18'03" |
| 0.085 | | WB | UNDER KY 93 | Lyon | 17'00" | 16'08" | 16'09" |
| 5.577 | B00029 | EB | UNDER KY 2611 | Lyon | 17'07" | 17'04" | 17'04" |
| 5.577 | | WB | UNDER KY 2611 | Lyon | 18'00" | 17'10" | 18'00" |
| 11.700 | B00037 | EB | UNDER KY 91 | Caldwell | 16'07" | 16'02" | 15'09" |
| 11.700 | | WB | UNDER KY 91 | Caldwell | 17'07" | 18'07" | 19'02" |
| 13.120 | B00007 | EB | UNDER KY 293 | Caldwell | 15'06" | 15'06" | 15'06" |
| 13.120 | | WB | UNDER KY 293 | Caldwell | 16'03" | 16'07" | 17'01" |
| 17.308 | B00060 | EB | UNDER KY 2614 LEWISTOWN RD | Caldwell | 14'09" | 14'10" | 15'00" |
| 17.308 | | WB | UNDER KY 2614 LEWISTOWN RD | Caldwell | 15'03" | 15'06" | 15'10" |
| 18.610 | B00061 | EB | UNDER KY 2613 LONGBREAK- FLYYN FORK RD | Caldwell | 22'01" | 22'02" | 22'04" |
| 18.610 | | WB | UNDER KY 2613 LONGBREAK- FLYYN FORK RD | Caldwell | 22'01" | 22'02" | 22'04" |
| 20.880 | B00048 | EB | UNDER KY 2619 DAWSON SPRINGS-EVANS MILL RD | Caldwell | 15'07" | 15'03" | 15'00" |
| 20.880 | | WB | UNDER KY 2619 DAWSON SPRINGS-EVANS MILL RD | Caldwell | 15'07" | 15'10" | 16'02" |
| 24.440 | B00070 | EB | UNDER KY 109 | Hopkins | 16'01" | 16'08" | 16'09" |
| 24.440 | | WB | UNDER KY 109 | Hopkins | 16'05" | 16'10" | 17'03" |
| 31.580 | B00117 | EB | UNDER KY 454 | Hopkins | 17'08" | 17'06" | 17'01" |
| 31.580 | | WB | UNDER KY 454 | Hopkins | 19'01" | 19'09" | 20'06" |
| | Bridge with Vertical Clearance less than the AASHTO recommended minimum of 16 feet. | | | | | | |

Table 14 – Summary of Substandard Vertical Clearances Along the Breathitt Parkway

| MP | Bridge # | Dir. | Location | County | Left Edge Passing Lane Clearance | Centerline Clearance | Right Edge Driving Lane Clearance |
|------------------------------------|---|------|--------------------------------|-----------|----------------------------------|----------------------|-----------------------------------|
| EDWARD T. BREATHITT PARKWAY | | | | | | | |
| 40.996 | B00102 | NB | UNDER ICRR | Hopkins | 23'03" | 23'00" | 22'09" |
| 40.996 | | SB | UNDER ICRR | Hopkins | 23'07" | 23'07" | 24'00" |
| 41.060 | RR0602 | NB | UNDER L&N RR SPUR | Hopkins | 16'06" | 16'03" | 16'02" |
| 41.060 | | SB | UNDER L&N RR SPUR | Hopkins | 16'04" | 16'06' | 16'10" |
| 45.206 | B00016 | NB | US 41 N.B. LANE | Hopkins | 19'09" | 20'07" | 21'07" |
| 45.206 | | SB | UNDER US 41 N.B. LANE | Hopkins | 18'02" | 17'03" | 16'02" |
| 46.435 | B00018 | NB | UNDER KY 2657 JOHN FOWLER RD | Hopkins | 16'10" | 16'08" | 16'09" |
| 46.435 | | SB | UNDER KY 2657 JOHN FOWLER RD | Hopkins | 16'10" | 16'08" | 16'10" |
| 47.472 | B00019 | NB | UNDER KY 862 | Hopkins | 17'02" | 16'10" | 16'10" |
| 47.472 | | SB | UNDER KY 862 | Hopkins | 17'07" | 17'07" | 18'00" |
| 51.941 | B00011 | NB | UNDER KY 2655 HERBERT BROWN RD | Hopkins | 16'03" | 16'07" | 16'10" |
| 51.941 | | SB | UNDER KY 2655 HERBERT BROWN RD | Hopkins | 16'03" | 15'10" | 15'07" |
| 55.449 | B00068 | NB | UNDER KY 2667 | Webster | 17'08" | 17'08" | 18'06" |
| 55.449 | | SB | UNDER KY 2667 | Webster | 17'00" | 16'05" | 16'01" |
| 58.396 | B00070 | NB | UNDER KY 2666 | Webster | 16'09" | 16'03" | 16'04" |
| 58.396 | | SB | UNDER KY 2666 | Webster | 16'06" | 16'05" | 16'09" |
| 62.637 | B00073 | NB | UNDER KY 56 | Webster | 17'01" | 16'09" | 16'06" |
| 62.637 | | SB | UNDER KY 56 | Webster | 17'05" | 17'07" | 17'10" |
| 66.835 | B00063 | NB | UNDER KY 2678 | Henderson | 18'03" | 18'03" | 18'10" |
| 66.835 | | SB | UNDER KY 2678 | Henderson | 17'06" | 17'00" | 16'10" |
| 68.363 | B00064 | NB | UNDER KY 416 | Henderson | 16'08" | 16'08" | 16'03" |
| 68.363 | | SB | UNDER KY 416 | Henderson | 16'08" | 16'08" | 17'00" |
| 69.674 | B00065 | NB | UNDER KY 2675 | Henderson | 16'08" | 16'06" | 16'07" |
| 69.674 | | SB | UNDER KY 2675 | Henderson | 16'08" | 16'05" | 16'06" |
| 72.346 | B00066 | NB | UNDER KY 136 | Henderson | 17'02" | 16'09" | 16'06" |
| 72.346 | | SB | UNDER KY 136 | Henderson | 17'00" | 17'02" | 17'03" |
| 73.256 | B00067 | NB | UNDER KY 2677 | Henderson | 16'08" | 16'03" | 16'02" |
| 73.256 | | SB | UNDER KY 2677 | Henderson | 17'02" | 17'01" | 17'04" |
| | Bridge with Vertical Clearance less than the AASHTO recommended minimum of 16 feet. | | | | | | |



B0011
 MP 51.941
 Southbound
 L: 16'-03"
 C: 15'-10"
 R: 15'-07"


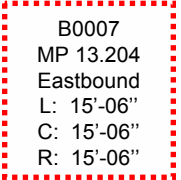
B0060
 MP 17.308
 Eastbound
 L: 14'-09"
 C: 14'-10"
 R: 15'-00"
 Westbound
 L: 15'-03"
 C: 15'-06"
 R: 15'-10"

B0048
 MP 20.880
 Eastbound
 L: 15'-07"
 C: 15'-03"
 R: 15'-00"
 Westbound
 L: 15'-07"
 C: 15'-10"
 R: 16'-02"

B0007
 MP 13.120
 Eastbound
 L: 15'-06"
 C: 15'-06"
 R: 15'-06"

B00037
 MP 11.700
 Eastbound
 L: 16'-07"
 C: 16'-02"
 R: 15'-09"

Figure 14. Substandard Vertical Bridge Clearances 5-12

-  -Bridge Location
- 
 - B0007 -Bridge Number
 - MP 13.204 -Milepoint
 - Eastbound -Direction
 - L: 15'-06" -Left Edge Passing Lane
 - C: 15'-06" -Centerline
 - R: 15'-06" -Right Edge Driving Lane



Existing Bridge Conditions
VERTICAL CLEARANCE
 I-69 Strategic Corridor
 Planning Study

C. Bridge Conditions

According to the KYTC Bridge Division, a bridge is eligible for Federal rehabilitation funds when it meets two criteria: (1) the bridge has a sufficiency rating below 50.0 and (2) the bridge is considered either structurally deficient or functionally obsolete. In KYTC's Highway Information Systems (HIS) database, several of the bridge structures are shown as either Functionally Obsolete or Structurally Deficient. By Federal definition, bridges are classified as functionally obsolete when they do not meet current geometric design guidelines, such as lane width, approach alignment, overhead clearances, etc. A classification as structurally deficient indicates that a bridge is no longer able to carry the vehicle weight it was originally designed to carry. In the HIS database, the determination of whether a bridge is functionally obsolete is based on information in the "Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges". Based on functional classification, the Parkways are compared against the criteria for "Other Multilane Divided Facilities" as opposed to "Interstate and Other Divided Freeways". If each bridge was compared to the criteria for Interstates, then additional bridges would be classified functionally obsolete adding to the 15 discussed below.

Information related to structurally deficient or functionally obsolete bridges is included in the bridge table in **Appendix F**. Of the 50 mainline bridges and 23 overpasses along the proposed corridor, two (2) are considered structurally deficient and 13 are considered functionally obsolete.

The two (2) structurally deficient bridges are overpasses of the existing Parkways, including the following:

- One (1) is in Webster County on the Breathitt Parkway, with a sufficiency rating that falls below 50.0; and
- One (1) is in Caldwell County on the Ford Parkway, with a sufficiency rating of 54.6. Although this rating does not fall below 50.0, the structure should continue to be monitored for eligibility for Federal rehabilitation funds.

Of the thirteen (13) structures that are functionally obsolete, 2 are over the existing Parkways and 11 are mainline bridges. Of the two (2) bridges located over existing Parkways that are considered functionally obsolete:

- One (1) is in Hopkins County over the Ford Parkway; and
- One (1) is in Lyon County over the Ford Parkway, with a sufficiency rating of 57.1. The structure is not a mainline bridge, but passes over the Parkway. Although the rating did not fall below 50.0, the structure should continue to be monitored for eligibility for Federal rehabilitation funds.

Of the eleven (11) mainline bridges considered functionally obsolete:

- One (1) is along the Ford Parkway in Lyon County;
- Four (4) are along the Ford Parkway in Hopkins County;

- Five (5) are along the Breathitt Parkway in Hopkins County; and
- One (1) is along the Breathitt Parkway in Webster County.

Sufficient information is not available through the as-built plans to determine the condition or application of bridge safety appurtenances such as approach guardrail, type of bridge rail, pier protection, etc.