

**KENTUCKY TRANSPORTATION AT A GLANCE**

120 Counties

15 Regional Area Development Districts (Rural Planning) / 9 Metropolitan Planning Organizations / 12 KYTC Highway Districts

2010 Census Population of 4,339,367

Land area of 39,728 square miles

**Airways (2013)**

- 6 air carrier airports -
  - 5 passenger air carrier airports including two int'l airports
  - 1 unscheduled passenger air carrier airport
- 53 general aviation airports
- Over 10.2 million passengers annually
- Over 5.53 million tons of air cargo transported annually
- Only state that is headquarters for 2 major air cargo companies



**Public Transportation (2013)**

- 25 rural public transportation services
- 9 urban bus/transit systems
- Regional coordinated human service delivery program with 15 regions
- Over 31 million passengers annually
- Approximately 3 million elderly and disabled passengers annually



**Highways (2013)**

- Over 79,598 miles of public roads and streets
- 10 interstate highways and ten state parkways
- 27,625 miles of state-maintained highways
- 47.2 billion vehicle miles of travel annually (2012)
- 3,691 miles of Federal/State Truck Network in Kentucky with an average of 14% trucks on this network
- Over 14,000 bridges including 9,000 state-maintained bridges
- 3,294 miles on the National Highway System
- 2,989,812 licensed drivers with 120,203 being CDL holders
- 275 million tons of freight hauled by truck annually (2011)
- 487 miles of Trans American bike route US-BR-76



**Waterways (2013)**

- 95 million tons of cargo transported (2012)
- Over 1,900 miles of USACE designated navigable waterways
- 12 public riverports (7 active and 5 developing)
- Over 100 private terminals
- 10 ferry operations
- 14 locks and dams for navigation
- 8<sup>th</sup> in the nation for tons moved on waterways (2012)



**Railways (2011)**

- 13 freight railroads: 5 Class I, 1 regional, and 7 local
- 2,648 miles of railroad track (2013)
- 267 million tons carried by rail annually through Kentucky
- 2,038 Highway-Railroad at-grade crossings
- 4 Amtrak stations + 1 Amtrak bus to rail station
- 11,016 Amtrak passengers annually (2013)

### 3.0 Transportation At-A-Glance

For the purpose of this LRSTP and for Kentucky's long-range planning purposes, the needs, available funding, cabinet policies and strategic plans for these transportation systems will be addressed through incorporating by reference the following documents and resources. The following order of discussion for these modes is based upon the degree by which The KYTC interfaces directly with each of these modes.

#### 3.1 Highways

- *Kentucky's FY 2014 – FY 2020 Enacted Highway Plan* – a Kentucky General Assembly approved project based plan as required by the KRS, Chapter 176. This plan is the means by which the Kentucky General Assembly provides the KYTC an outline for scheduled project phases over the fiscal years defined above. A new Enacted highway plan is anticipated every two years with funding levels constrained over a two year period. This plan can be reviewed at <http://transportation.ky.gov/Program-Management/Pages/2014-Highway-Plan.aspx>.
- *Kentucky Recommended Highway Plan (2014)* – The KYTC Department of Highways Plan approved by the Governor as required by the Kentucky Revised Statutes (KRS), Chapter 176. This plan is the channel through which major highway improvement project phases scheduled for the next six years are recommended to the Kentucky General Assembly during the 2014 Session. A new Recommended Highway Plan is updated every two years and submitted for review and approval by the Kentucky General Assembly in the development of the Enacted Highway Plan. This plan is fiscally constrained for two out of the six year period. The current plan can be accessed at <http://transportation.ky.gov/Program-Management/Pages/2014-Highway-Plan.aspx>.
- Kentucky Transportation Cabinet (KYTC) Department of Highways is charged with the implementation of the Kentucky Enacted Highway Plans by providing a safe and reliable transportation system that delivers economic opportunity and enhances the quality of life for all Kentuckians. The KYTC website is at <http://transportation.ky.gov/Pages/default.aspx>.
- American Association of State Highway and Transportation Officials (AASHTO) is a nonprofit, nonpartisan association representing highway and transportation departments in the 50 States, The District of Columbia and Puerto Rico. Its primary goal is to foster the development, operation, and maintenance of an integrated national transportation system representing all five transportation modes. AASHTO website is <http://www.transportation.org/Pages/Organization.aspx>. The AASHTO 2001 Green Book was adopted by FHWA and is at <http://www.fhwa.dot.gov/programadmin/022305.cfm>.
- U.S. Dept. of Transportation Federal Highway Administration (FHWA) is a Federal Agency that provides stewardship over the construction, maintenance and preservation of the Nation's highways, bridges and tunnels. FHWA also conducts research and provides technical assistance to state and local agencies in an effort to improve safety, mobility, and livability, and to encourage innovation. More information is available on their website at <https://www.fhwa.dot.gov/>.



### 3.2 Public Transportation

- Public transportation services are available in all Kentucky counties. The core needs of public transit riders remain the same – employment and medical needs.
- Kentucky has 25 rural public transportation services and 9 small urban and large urban city bus/transit systems which provide 31 million trips per year. Of these trips, 3 million are for elderly and persons with disabilities, taking them for dialysis, cancer treatment, and other needed services.
- The KYTC Office of Transportation Delivery (OTD) is responsible for seeking grant funds; the oversight and implementation of various statewide public transit grants; and coordinating human service transportation such as non-emergency medical transportation. More information on Public Transit in Kentucky can be found on the KYTC Office of Transportation Delivery website at <http://transportation.ky.gov/transportation-delivery/pages/default.aspx>.

The public transportation program in Kentucky is a two-year program which identifies capital and operating improvements to Kentucky's public transportation system. This program uses local, limited state general funds and federal transit funds. All federal funds for Kentucky's major transit systems do not flow through KYTC, but directly to the public transit system in Kentucky's urban areas. More information on the Federal Transit Administration (FTA) and federal transit funds and programs can be found at <http://www.fta.dot.gov/>.



### 3.3 Airways

- *Kentucky Aviation System Plan (1998)* – a 20 year plan of airport construction projects and operational enhancements at Kentucky’s regional and city airports without a financial commitment. This plan is generally updated about every 10 years. No link to date.
- *Air Service at Kentucky’s Commercial Airports Research Report No. 390 (2011)* – a review by the Legislative Research Commission (LRC) for the Program Review and Investigations Committee of FAA policy and procedures affecting airport financial conditions and funding issues at the three largest airports in Kentucky. This report can be found at <http://www.lrc.ky.gov/lrcpubs/RR390.pdf>.
- The KYTC Department of Aviation (KDA) is charged with providing a safe and secure air transportation system that ensures the mobility of people and goods, enhances economic prosperity, and preserves the quality of our environment and communities. More information about the KDA can be found at <http://transportation.ky.gov/Pages/default.aspx>.



### 3.4 Railways

- *Kentucky Statewide Rail Plan (KSRP) 2002* – this plan identified system-wide strategies and policies, developed specific goals and objectives, and provided a vehicle to identify future rail issues in order to meet requirements for federal funding, should federal funds become available. The plan is currently being updated and is scheduled to be completed in the summer of 2014. The current plan can be accessed at <http://transportation.ky.gov/Railroads/Pages/Kentucky-Statewide-Rail-Plan.aspx>.
- The KYTC Division of Planning maintains information on active rail lines in the state, passenger rail lines, tourist/excursion rail lines, rail GIS data, short line railroad assistance, railroad annual reports, Rails to Trails, and other rail resources. Links to the most recent statewide rail map and ongoing updates can be accessed at <http://transportation.ky.gov/Railroads/Pages/default.aspx>.
- The KYTC Utilities and Rails Branch of the Division of Right-of-Way maintains information and administers the federal highway-railway at-grade crossing safety programs and other rail project coordination. This and other information can be accessed at <http://transportation.ky.gov/Right-of-Way-and-Utilities/Pages/Railroad-Programs.aspx>.
- The Association of American Railroads (AAR) represents North American railroads and Amtrak, and maintains a large amount of information about railroads. This information can be accessed at <https://www.aar.org/Pages/Home.aspx>.
- The American Short Line and Regional Railroad Association (ASLRRA) represent the interests of North American short line and regional railroad members in legislative and regulatory matters. Their site contains information on meetings, seminars, news publications, safety and training. Information can be accessed at <http://www.aslrra.org/home/index.cfm>.
- Amtrak, the National Railroad Passenger Corporation, offers passenger rail service in Kentucky on routes: The Cardinal, between New York City and Chicago (including a stop in Washington DC), and The City of New Orleans, between Chicago and New Orleans. Their website with timetable, station, route, and ticketing information can be accessed at <http://www.amtrak.com/>.
- Kentucky Operation Lifesaver works to prevent death and injuries at highway-railroad at-grade crossings and on railroad right-of-way through education, enforcement, and engineering. Information about this non-profit, public education program can be accessed at <http://www.kvol.org/>.



### 3.5 Waterways

- *Kentucky Riverport Improvement Project (2008)* – a study that made recommendations to provide a comprehensive and wide-reaching plan of action to enable Kentuckians to utilize waterways assets to compete in regional, national, and global markets. It also provided a plan to improve their quality of life through better utilization of the state’s water transportation assets, especially its public riverports. This study recommended education of policymakers and the general public regarding the importance of Kentucky’s public riverports and their influence on the state’s economy. This study is available at <http://transportation.ky.gov/Riverports/Pages/Riverport-Studies.aspx>.
- *Toward A Full Accounting of the Beneficiaries of Navigable Waterways (2011)* – a study developed by the Center for Transportation Research, University of Tennessee Waterborne Commerce Statistics Center and is accessible at <http://nationalwaterwaysfoundation.org/study/BeneficiariesofNavigableWaterways14Jan11Ver.pdf>.
- *Waterborne Commerce of the United States (WCUS)* - a series of publications which provide statistics on the foreign and domestic waterborne commerce moved on the United States waters and is located at <http://www.iwr.usace.army.mil/About/TechnicalCenters/WCSCWaterborneCommerceStatisticsCenter.aspx>.
- *Kentucky Water Transportation Corridors Public Riverport Development and Intermodal Access (2000)* - a report that highlights the specific capital and infrastructure needs of the existing riverports to remain competitive and attract new business. <http://transportation.ky.gov/Riverports/Pages/Riverport-Studies.aspx>.
- U.S. Department of Transportation Maritime Administration, America’s Marine Highway Program is located at [http://www.marad.dot.gov/ships\\_shipping\\_landing\\_page/mhi\\_home/mhi\\_home.htm#](http://www.marad.dot.gov/ships_shipping_landing_page/mhi_home/mhi_home.htm#).
- Water Transportation Advisory Board (WTAB) can be found at <http://transportation.ky.gov/Riverports/Pages/Water-Transportation-Advisory-Board.aspx>.
- U.S. Dept. of Transportation Federal Highway Administration, Ferry Boat Discretionary Grant Program (FBD) ended in 2012. It was replaced by the Ferry Boat Formula Funds Grant Program (FBP) in 2013 and is located at <http://www.fhwa.dot.gov/specialfunding/fbp/distribution.cfm>.
- The KYTC’s Division of Planning maintains information about ferry boat operations within the state, including locations, schedules, contact information, and rates where applicable. This and other information can be accessed at <http://transportation.ky.gov/Ferries/Pages/default.aspx>.
- The KYTC’s Division of Planning maintains information about riverports within the state, the most recent riverport study, a link to the Kentucky Association of Riverports (KAR), and other riverport resources. This information can be accessed at <http://transportation.ky.gov/riverports/Pages/default.aspx>.



### 3.6 Bicycle/ Pedestrian Transportation

- In 2013, nearly 7,500 Kentucky Share the Road License plates were sold or renewed. This specialty plate has generated over \$300,000 for bicycle and pedestrian safety/education programs (administered through the Paula Nye Memorial Grant from 2009-2013). Further information on this program is available at the following link [http://transportation.ky.gov/Bike-Walk/Documents/PaulaNye\\_Memorial\\_BicyclePedestrian\\_Education%20Grant%202013.pdf](http://transportation.ky.gov/Bike-Walk/Documents/PaulaNye_Memorial_BicyclePedestrian_Education%20Grant%202013.pdf).



- 1,778 bicycles utilized state funded ferry boats in 2013 per information collected by the KYTC.
- Kentucky has 36.5 miles of converted rails to trail paths as of 2013. Kentucky ranks 45<sup>th</sup> in total rail-trail mileage. The following website provides further information on trails in Kentucky <http://www.kyrailtrail.org/>.
- In 2013, approximately 0.2% of the adult population commuted to work via bicycle and 2.2% of the adult population commuted to work by walking. In 2014, Kentucky was ranked eighth in the country for recorded per capita spending on bicycle/pedestrian type projects and fifth in the country for the percentage of federal transportation dollars dedicated to bicycle and pedestrian spending. The national average is 2.1% and Kentucky spent 3.2%. The Alliance for Biking and Walking 2014 Benchmarking Report is available at the following website <http://bikewalkalliance.org/resources/benchmarking>.

### 3.7 Modes and Interconnectivity

The following are maps of various modes of transportation as they connect to themselves and other modes. This interconnectivity between modes is critical to the overall effectiveness of our combined transportation network. It is through the utilization of these various systems of transportation that the movement of both people and freight improves the overall quality of life for all Kentuckians.

Figure 3.7 A shows the access to and connection between the interstates, parkways and other arterials.

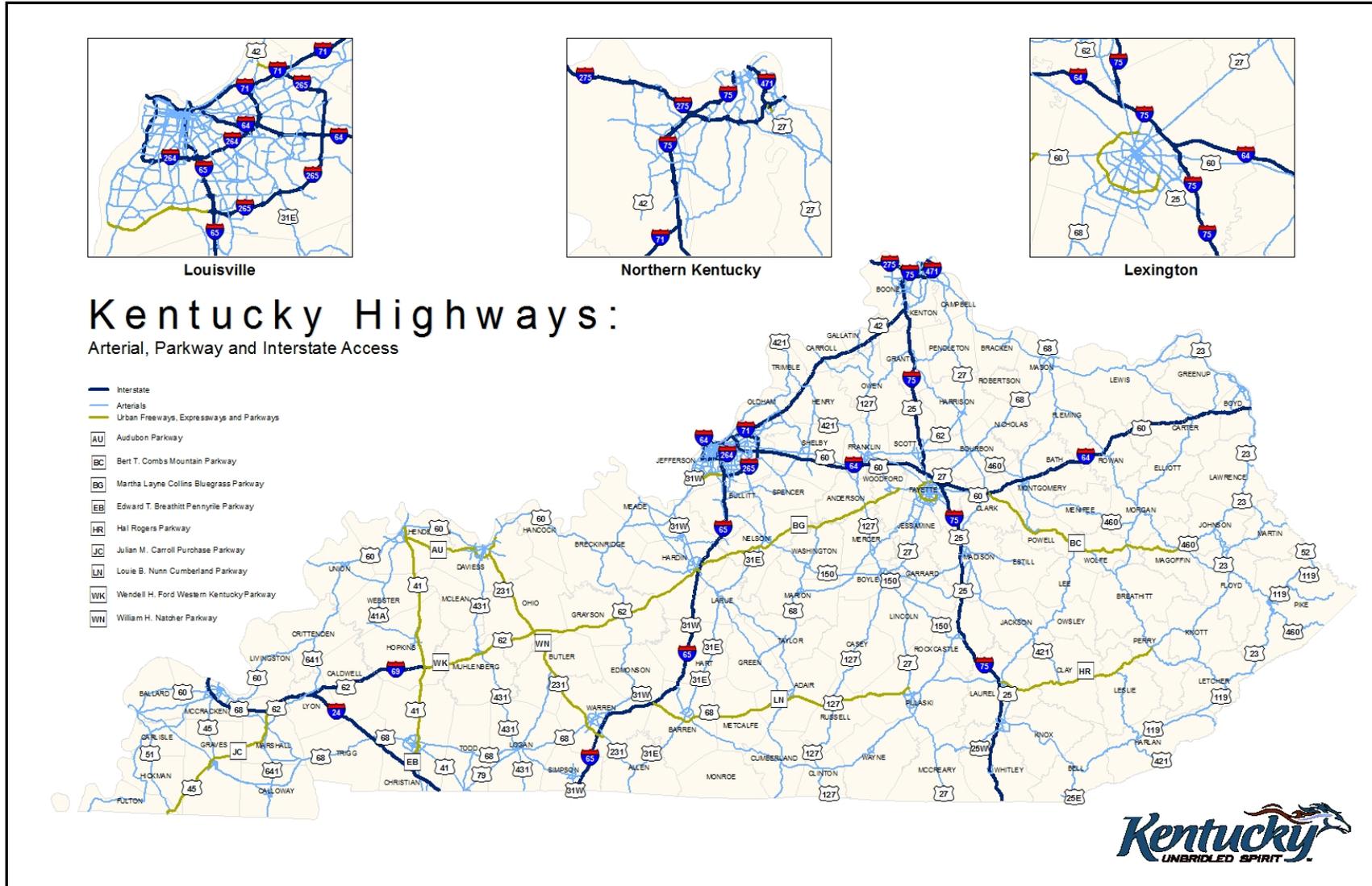


Figure 3.7 A – Kentucky Highway Arterial Map





Figure 3.7 D provides the geographical association between the railroads and the highway system within the state of Kentucky.

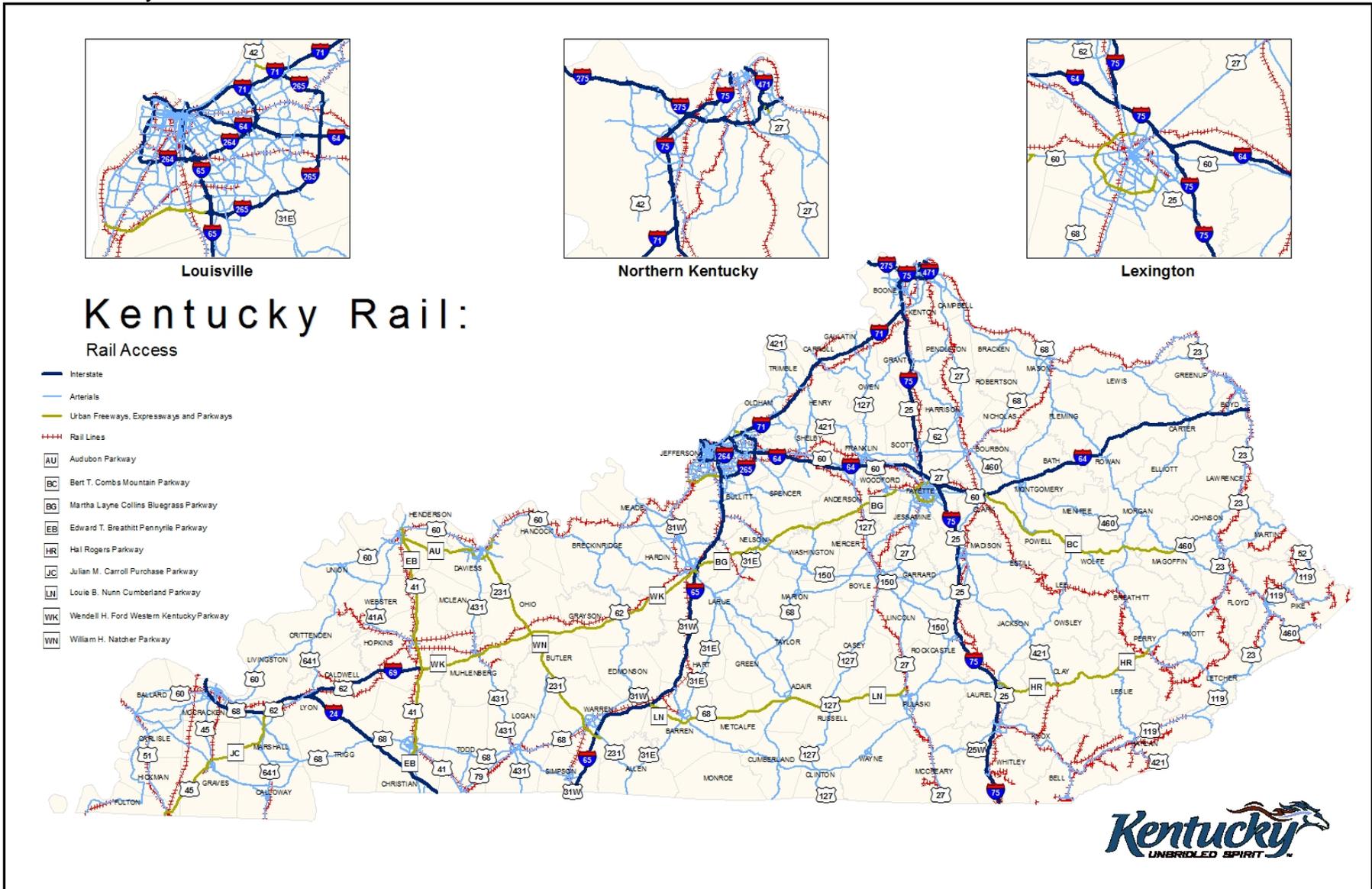


Figure 3.7 D – Kentucky Railroad Network Map

Figure 3.7 E shows the location of the all the urban motor vehicle mass transit carriers throughout Kentucky. These transit providers primarily utilize the local and regional highway system network.

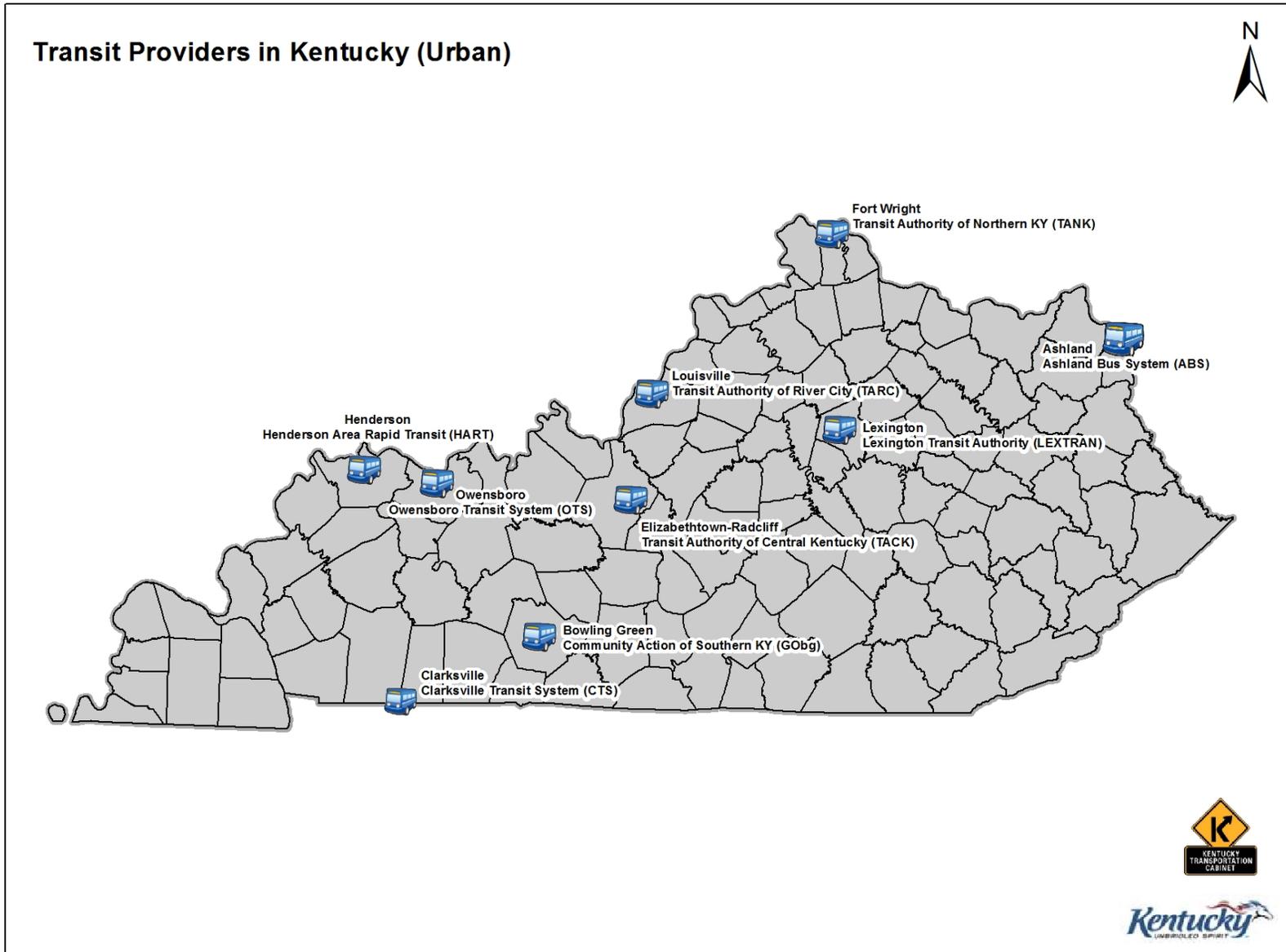


Figure 3.7 E – Kentucky Urban Mass Transit Providers Map

Figure 3.7 F illustrates the rural motor vehicle mass transit provider boundaries throughout Kentucky.

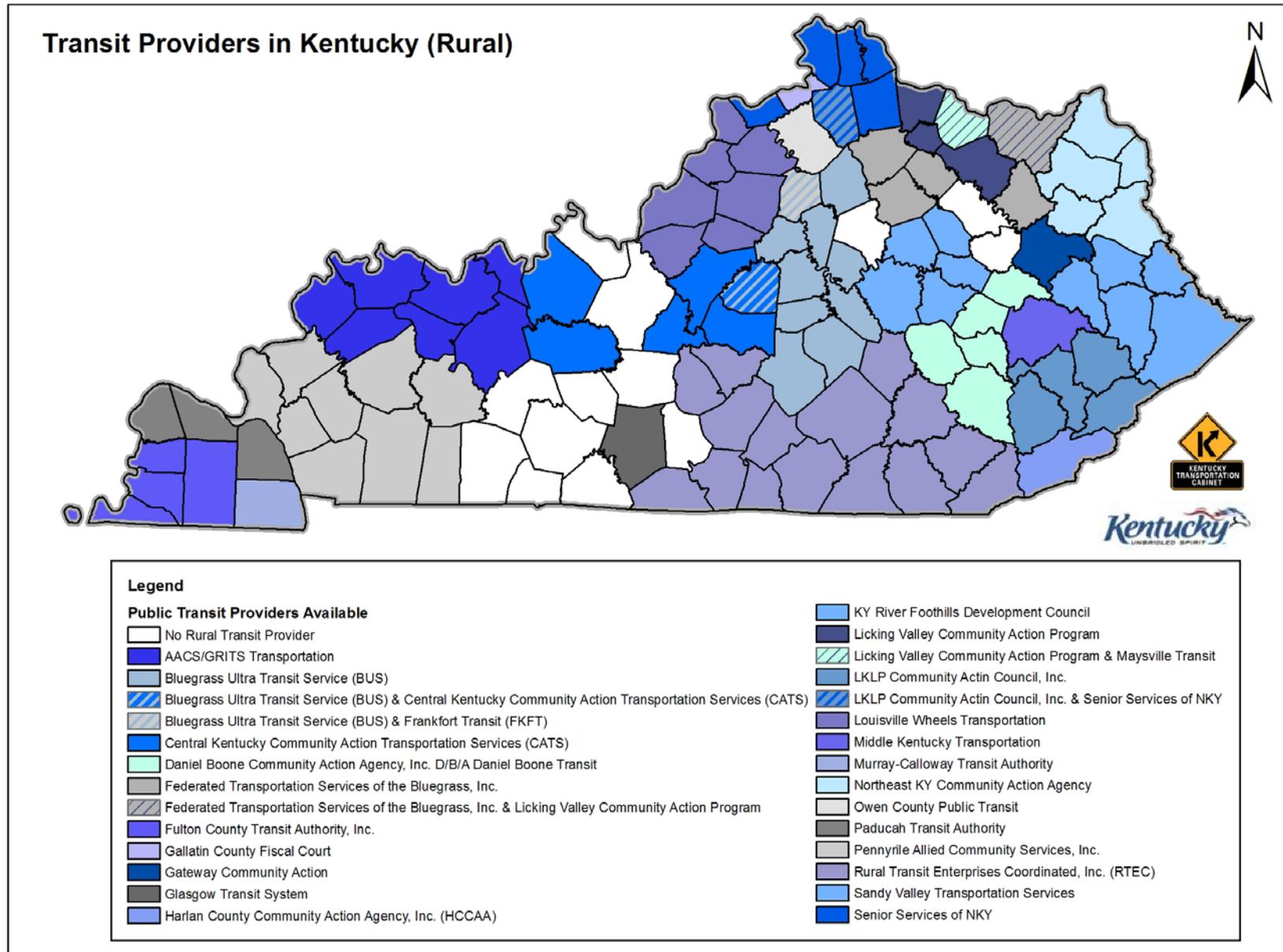


Figure 3.7 F – Kentucky Rural Public Mass Transit Boundary Map

Figure 3.7 G provides the location of the current Trans-America Bike Trail and the connectivity to the highway system throughout Kentucky. This bike trail is identified with a Bike Route (BR) abbreviation in Kentucky and identified as US-BR-76.

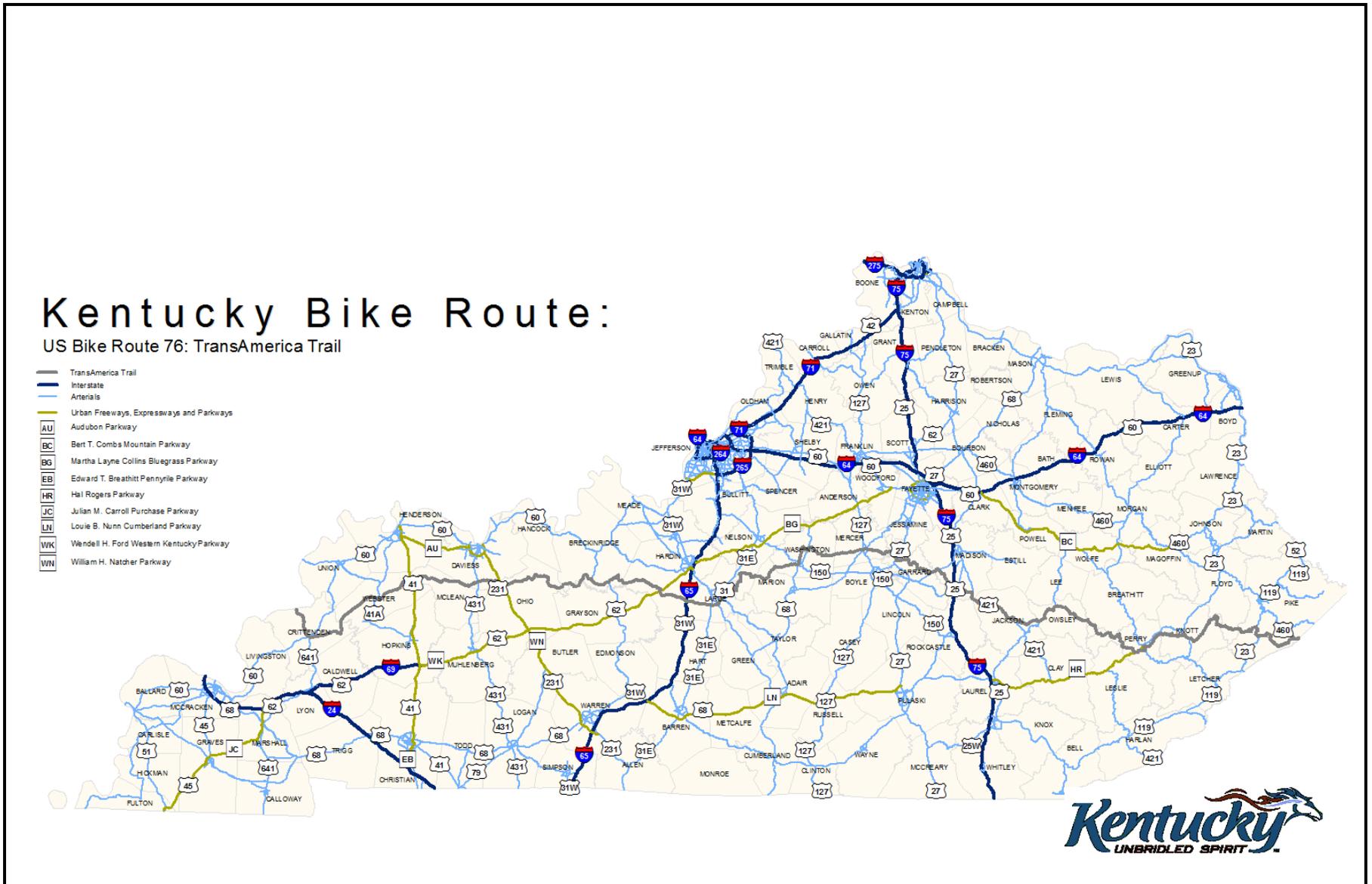


Figure 3.7 G – Kentucky Trans-America Bike Trail US-BR-76 Map