

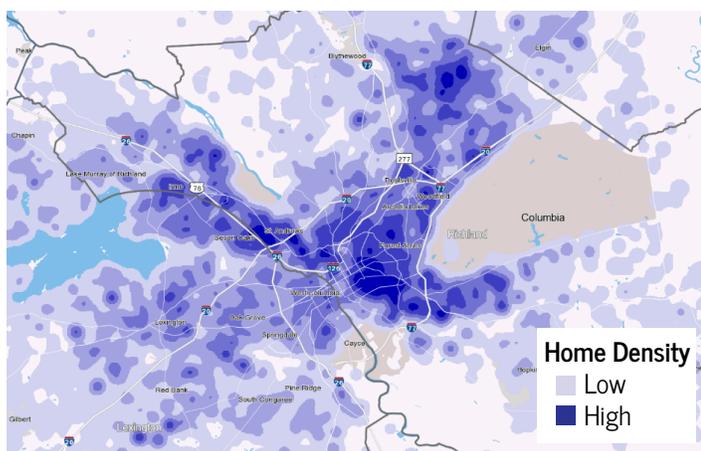


Taking a look at Transportation



Transportation is a vital part of everyday life in Columbia. As the City grows, it is crucial to plan for a transportation network that provides for the needs of current and future residents, as well as works towards the City's economic development, urban design, and sustainability goals.

Transportation examines **different types of trips** - we utilize our transportation network to commute to work and entertainment, to recreate, and to ship goods. Columbia's position as the job center of the region is particularly evident when examining regional commuting trends. Over 40% of Columbia residents work within the City, while just 15% of the City's total workforce resides within the City's borders. This creates a major strain on the City's arterial roadways as over 100,000 commuters travel between dispersed residential areas to a few centralized job centers at predictable times each day.



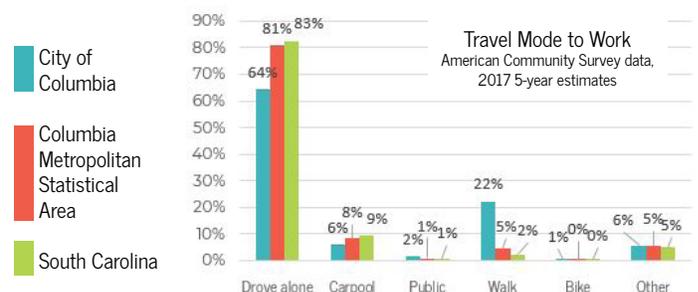
The map above depicts the density of home locations of those who work in Columbia. Data Source: US Census On the Map, 2015 data

September 20th is Park(ing) Day!

Park(ing) Day is about designing open space that not only attracts but also engages the community through the physical design of the space itself. The City joins SCASLA in this nationwide celebration each year in September, and you can be a par(k)ticipant by designing and implementing your own park! [Apply now](#) to redesign transportation infrastructure into a parklet!



Transportation encompasses **multiple modes of travel** - roadways, greenways, and rail lines are all part of our transportation network. Technology continues to expand our transportation options - shared mobility options (such as rideshare or bikeshare) have changed commuter behavior and commuting patterns, and autonomous vehicles are expected to result in further behavioral shifts. While the larger Columbia metro area is very auto-centric, a very high proportion of Columbia residents walk to work.

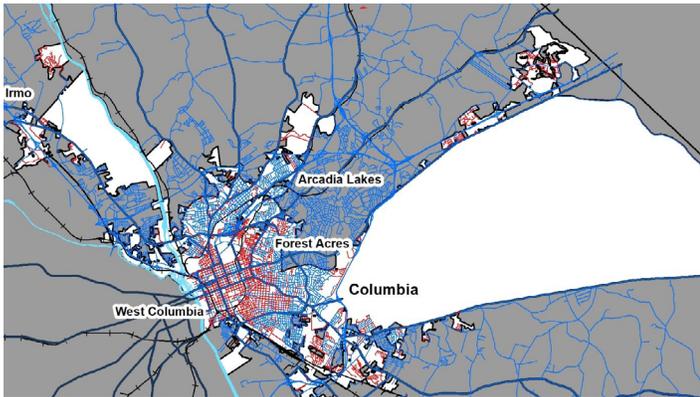


Columbia Compass is the update to the City of Columbia's Comprehensive Plan. To learn more about the process and planning efforts, please visit www.columbiacompass.org.

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Transportation networks **connect communities** - did you know that the majority of the roadways within the City of Columbia are actually owned and maintained by SCDOT? This includes not just our major corridors, but many residential streets as well. The map below shows City-owned and maintained roadways in **red**, whereas State-owned and maintained roadways are in **blue**.



While **congestion** is a growing concern in Columbia, it is still a relatively minor issue compared with other U.S. cities of its size. The INRIX 2017 Traffic scorecard indicated that drivers within the City of Columbia spend an average of 4% of their total driving time per year in congestion. This is comparable to the amount of congestion in Greenville, and less than the 7% of total time spent in congestion experienced by drivers in Charleston.

Discussions about transportation in Columbia, the Midlands, and our state must include safety concerns - **as of 2017, South Carolina had the highest overall traffic fatality rate in the nation** of 1.80 per 100 million vehicle miles traveled. In 2017, 20 of these 924 fatal crashes occurred within the City of Columbia. For the State of South Carolina in 2017, 17% of the overall fatal collisions involved resulted in pedestrian deaths. When adding bicyclist fatalities in

Did you know?

Mode share calculations are estimated as part of the U.S. Census' American Community Survey, and they examine the breakdown, by percentage, of primary travel types - the percentage of a population that walks, bikes, drives alone, carpools, takes public transit, or uses another mode of travel. In 2017, an estimated 22% of Columbians primarily **walked** to work or school

2017, the combined percentage of fatalities for bicyclists and pedestrians is 19%. This percentage of fatalities (19%) for the vulnerable roadway users is greater than the mode share, bicycle and pedestrian, for the State of South Carolina as compared to those who use motor vehicles as their primary mode of transportation. The City's *Walk Bike Columbia Pedestrian and Bicycle Master Plan*, adopted in 2015, seeks to address critical safety issues for vulnerable users.

Our transportation network **must be resilient** - community assets including roadways, bridges, railroads, airports and distribution systems for water, sewer, and electric are the most vulnerable and impactful assets for the community and its ability to endure system threats. The City of Columbia is familiar with disruptive weather events and the impacts it has to the community. Disruptions to any part of the transportation system can trigger impacts across the entire community causing delays and economic impacts. Building resilience into the transportation system allows the community to recover with minimal downtime.

Help make sure we all count!

We are seeking volunteers in mid-September to help conduct our sixth annual Pedestrian & Bicyclist Counts throughout the City - these two-hour counts on weekday and weekend mornings help ensure that transit riders, pedestrians, and bicyclists are also counted. Sign up to count [here!](#)

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