



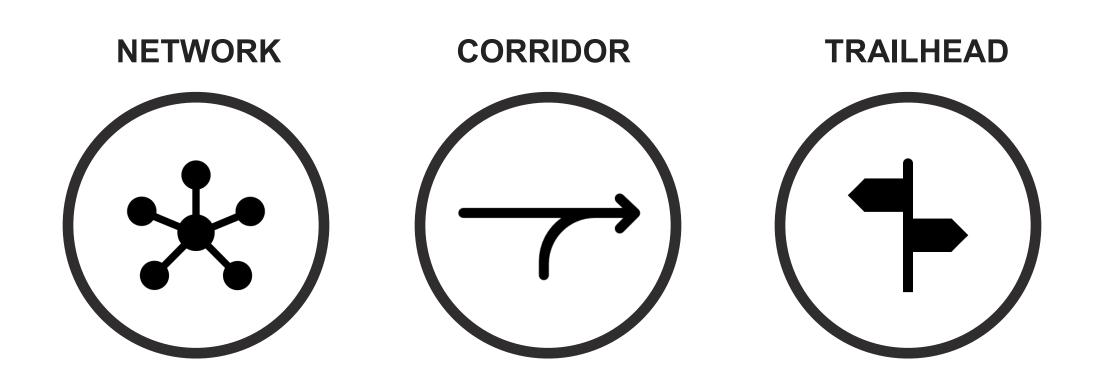
INTRODUCTION

Why does trail access matter?



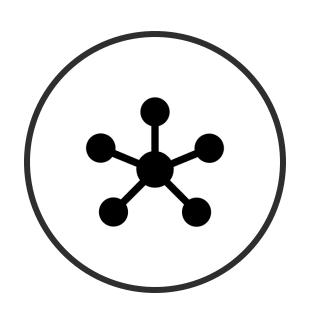


Trail access occurs at three scales:





Design the area's active transportation **network** to support trail access



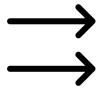
Network Connectivity

Network connectivity refers to the density and directness of the overall street grid.

GOALS OF THE STREET NETWORK



DirectRoutes



Redundancy



Overcoming major barriers

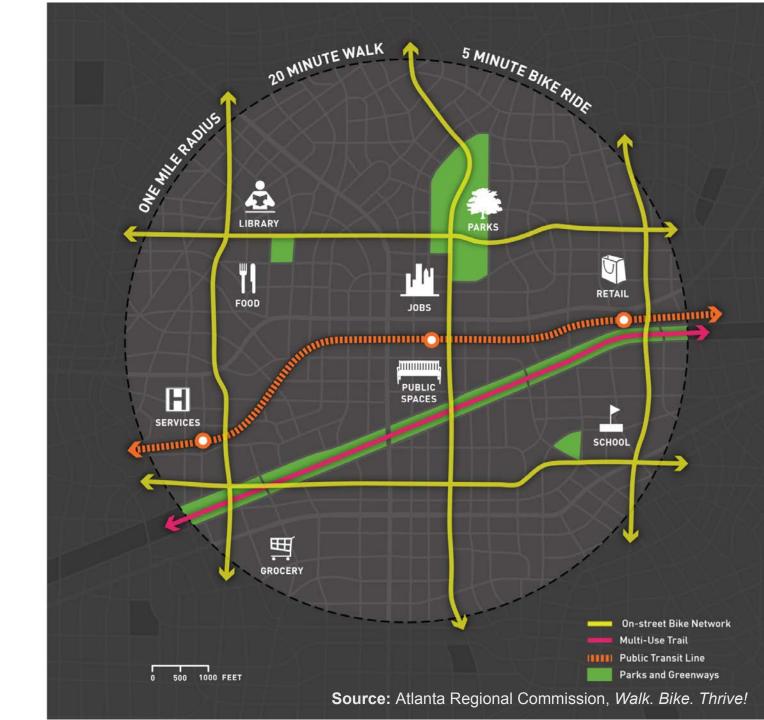


Connections to major destinations



The 20-minute neighborhood

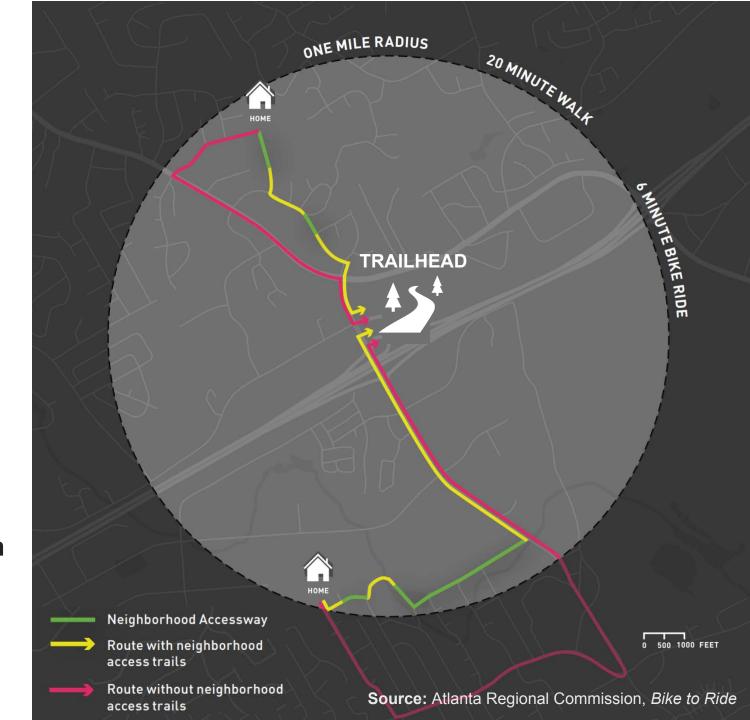
- Connected street grid, ideally with 300-600 foot block lengths
- Connected bicycle network featuring bikeways at least every half mile
- Convenient connections to trails and transit





Neighborhood Accessways

- Short trail segments between disconnected streets (e.g. cul-desacs) that enable more direct, lowerstress routes for people walking and bicycling
- Allow users to reduce out-of-direction travel and circumvent busier roadways





Connect Atlanta

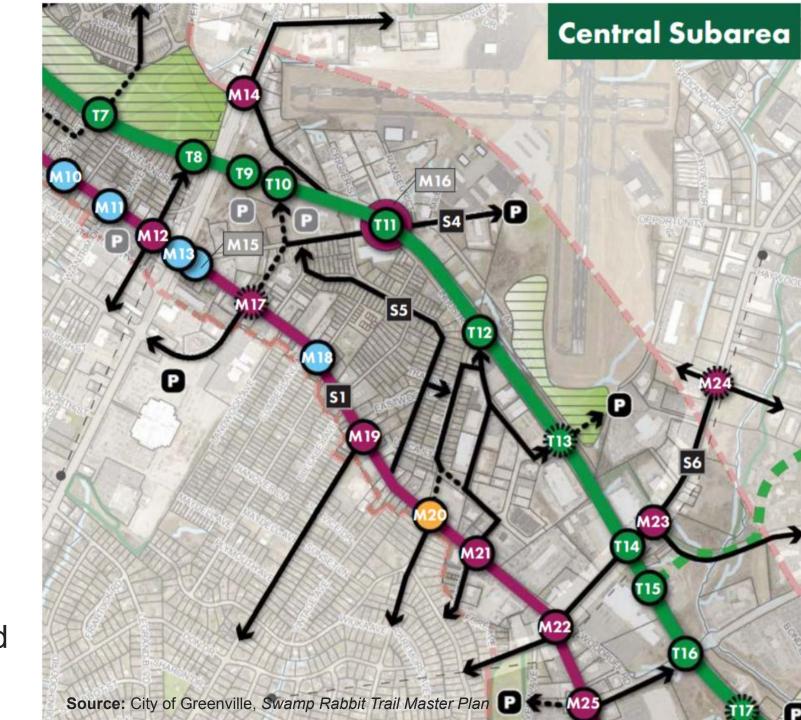
 City of Atlanta's 2014 Transportation Plan used the planned BeltLine loop as an organizing principle for its intown biking network





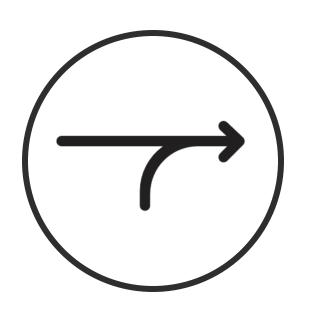
Swamp Rabbit Trail Extension

- City-led plan identified vital connections to and from the future trail and nearby destinations
- Connections include both existing streets to improve, and future streets to be constructed with trail-oriented development





Each corridor in the surrounding network should be designed as a complete street



Corridor Design

Each corridor should be designed with adequate accommodations to connect people on foot and bike to the trail.

GOALS OF CORRIDOR DESIGN



Safety

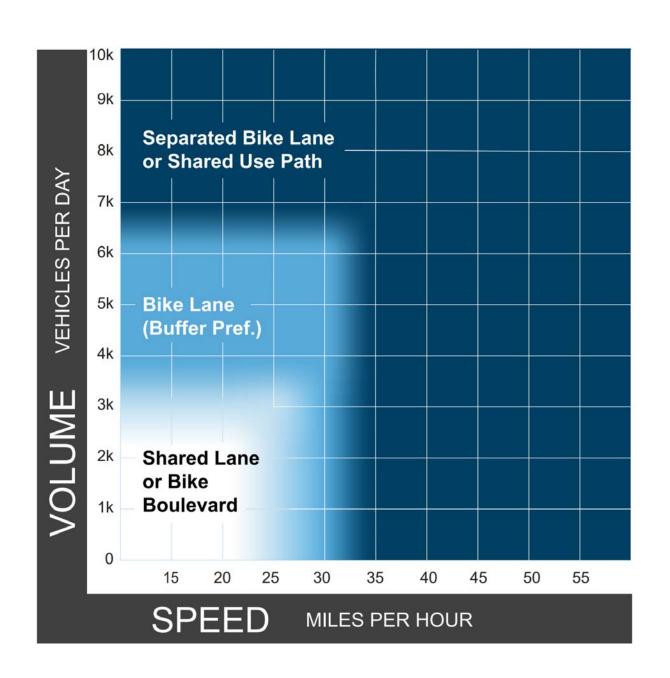


Comfort



Bikeway Selection

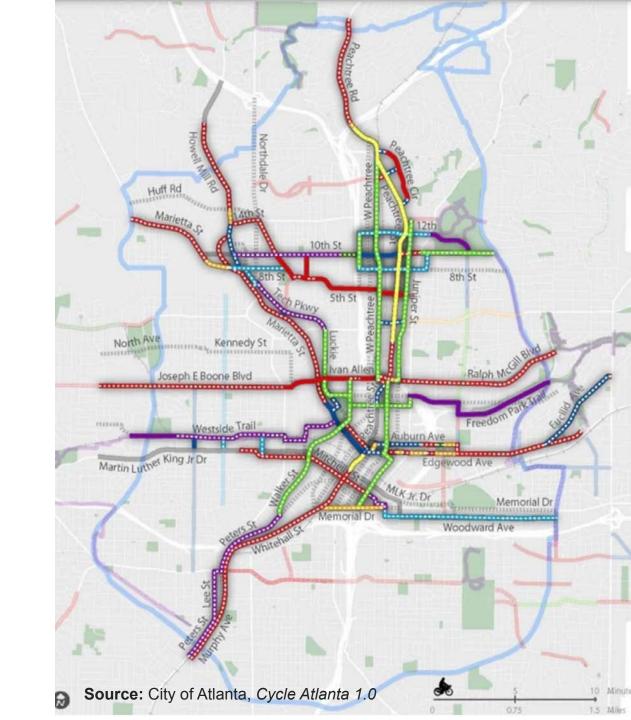
 Use FHWA's Bikeway Selection Guide to determine the preferred type of infrastructure for the corridor





Cycle Atlanta 1.0

- Took the network recommendations from Connect Atlanta, and assigned corridor schematics
- Plan was a technical report aimed at direct implementation



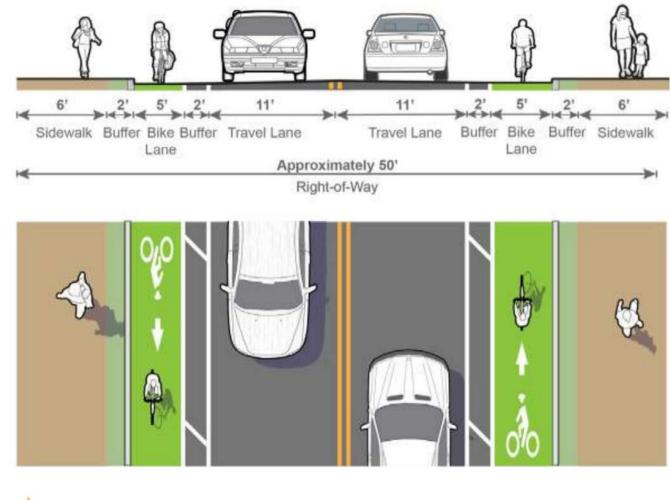






Swamp Rabbit Trail Extension

 Priority connections were assigned conceptual schematics



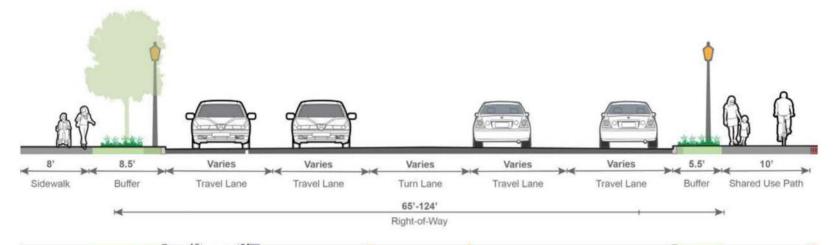


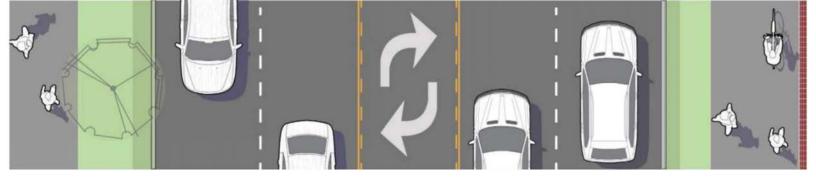
Proposed cross section for Lowndes Down Road with bike lanes and sidewalks on both sides



Swamp Rabbit Trail Extension

 Priority connections were assigned conceptual schematics

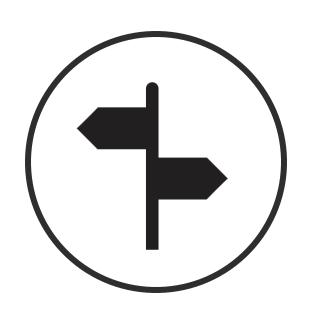




A proposed cross section of Laurens Road with streetscape improvements. The improvements, located behind the existing curb line, include a wide sidewalk or shared-use path and a planted buffer with street trees, vegetation, and pedestrian-scaled lighting.



Trailheads are the critical nodes that connect a trail to its community



Trailheads

Trailheads without sufficient trailheads are like a limited access highway. Users cannot get on and off wherever they like, so the adjacent community doesn't fully realize the benefits of the trail.

GOALS OF TRAILHEAD DESIGN



Connect to Street / Development



Universal Design



Support All Users



Information



Swamp Rabbit Trail Extension – Trailhead Planning

- Rail trails tend to have fewer natural access points because the rail corridors were originally designed to minimize conflict points.
- As a result, trailheads were proposed at all existing atgrade street crossings, and at new redevelopment sites.



Paper Right-of-Way

This access configuration is appropriate for the quieter neighborhood streets that currently dead-end near the trail.

Accesible Parking Lot

Accesible parking lots are places where there is vehicle parking for trail users.



Source: City of Greenville, Swamp Rabbit Trail Master Plan

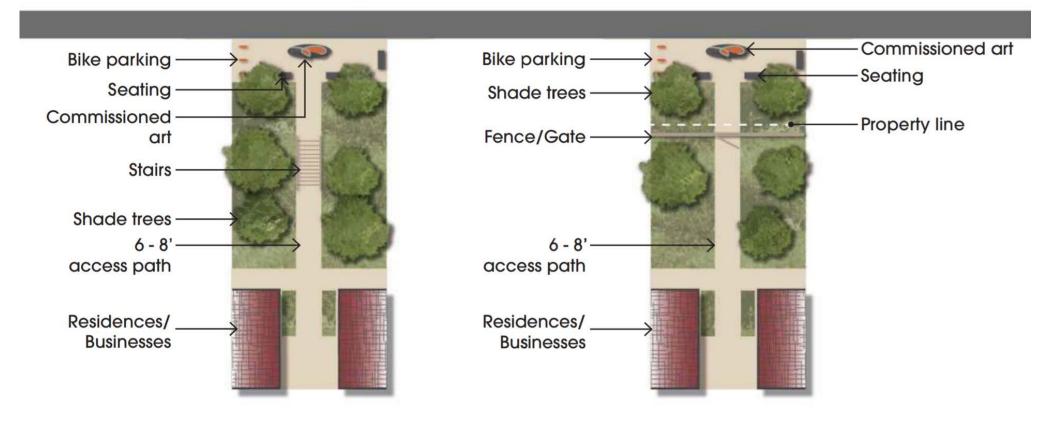


Stair Access

Accesible paths should be prioritized in establishing access to the trail. Stairs should only be added where there are other accessible options nearby.

Gated Access

Gated access may be required for residences and private offices.



Source: City of Greenville, Swamp Rabbit Trail Master Plan

Trails as Mobility Hubs



Ride-Hailing Services

A Passenger pick-up and drop-off area

Amenities

- B Features that enhance sense of place
- Wifi availability for people who do not have data to access shared mobility services
- D Public restrooms and water stations as appropriate

Parking and Charging Services

- E) Short-term bike parking
- F Designated e-scooter parking
- G Bikeshare parking and docks
- (H) Weather protection for bike and micro-mobility parking

Priority Access

- Comfortable and continuous walkways
- Comfortable and continuous lanes or paths for bicyclists and others using devices like e-scooters
- Safe and frequent road crossings for people walking and biking

Source: City of Greenville, Swamp Rabbit Trail Master Plan

