

City Council Work Session

Documents:

[1 - WORK SESSION AGENDA.PDF](#)

. City Council Work Session

Documents:

[2 - TRAILS AND MOBILITY UPDATE.PDF](#)



CITY COUNCIL OF THE CITY OF GREENVILLE WORK SESSION MEETING

Monday, September 11, 2023 - 3:00 p.m.

Greenville City Hall, 206 S. Main Street

Citizens may access the meeting at the following web address:

<https://www.greenvillesc.gov/1694/Online-Meetings>

CITY COUNCIL: Mayor Knox White; Councilmembers John DeWorken, Lillian Flemming, Ken Gibson, Wil Brasington, Dorothy Dowe, Russell Stall

CITY STAFF: City Manager Shannon Lavrin, City Attorney Leigh B. Paoletti; City Clerk Camilla G. Pitman

AGENDA

1. **Call to Order** **3:00 p.m.**
2. **Trails and Greenways Update** **3:00 p.m.**
3. **Executive Session (S.C. Code §30-4-70):** **3:45 p.m.**
NOTE: City Council will leave the Work Session to conduct an Executive Session which is not open to the public. The Work Session meeting will adjourn following the completion of the Executive Session. No action will be taken prior to adjourning the meeting.
 - a. **Economic Development / Legal Briefing**
 - b. **Boards and Commissions / Personnel Update**
4. **Adjourn** **5:15 p.m.**



TRAILS + MOBILITY

PROJECTS REVIEW

September 2023

T+G FUND OVERVIEW

FUND HISTORY

The Trails + Greenways Fund was created in 2016 and funded in 2017. Since then, the fund has received an average annual allocation of \$1M by City Council. These funds originate with the City's Hospitality Tax revenue.

GUIDING DOCUMENTS

Trails + Greenways Master Plan | 17 years since adoption

Bicycle Master Plan | 12 years since adoption

NEWER PLANS

Area Master Plans (Cleveland Park, SRT Extension, etc.)

Small Area Plans (South Downtown, West End, etc.)

Corridor Strategic Plans (Wade Hampton, etc)

District Plans (Downtown Airport, etc.)

GUIDING PRINCIPLES

SAFETY

CONNECTIVITY

EQUITY

FEASIBILITY

OPPORTUNITY



GVL 2040

The Corridors

Major corridors are being reviewed for multimodal solutions and our restriping efforts are providing lower cost options for retrofits.

The Nodes

Many routes that connect identified nodes will be receiving new or improved bike infrastructure.

The Methods

Greenville's bike share system paired with increased network comfort are allowing bike commuters an alternative for transportation.

The Destinations

Development trail connections to neighborhoods and complete streets are providing residents options to connect to the destinations important to them.

The Network

Our on-street offerings help provide connections to the trail network for more route options.



TRANSPORTATION + MOBILITY

Mobility was identified as a top priority for the GVL 2040 plan committee and public at large. Recommendations of the comprehensive plan with the trails and greenways plan are helping guide and prioritize multi-modal solutions to our infrastructure throughout the City.

GOALS

- Be safe and feel safe
- Connect people with areas they want to access
- Provide convenient transitions between nodes
- Work together as a coherent and accessible system

MOBILITY METRICS



17 MILES

of trails in City Limits



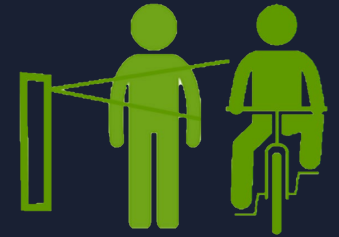
8000+ homes

within walking distance to a trail



420,850 MILES

ridden via bikeshare since 2021
(and 16 million calories burned!)



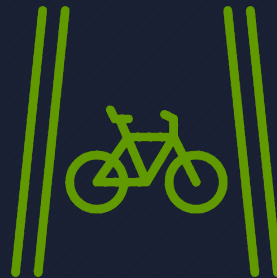
4 TRAIL COUNTERS

installed along the SRT



750,000+

annual trail users



36+ MILES

of on-street bike facilities



399,500 lbs

of carbon saved via bikeshare
alone since 2021



500+ BUSINESSES

Within 500' of a trail

SLIDING ROCK I

SCOPE

Natural surface trail loop in the Nicholtown community that serves both hikers and bikers. This trail was implemented in partnership with Upstate SORBA, and was constructed with volunteer labor. The City developed a trailhead area that includes seating, signage, and a fix-it station.



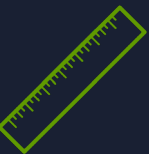
QUICK FACTS



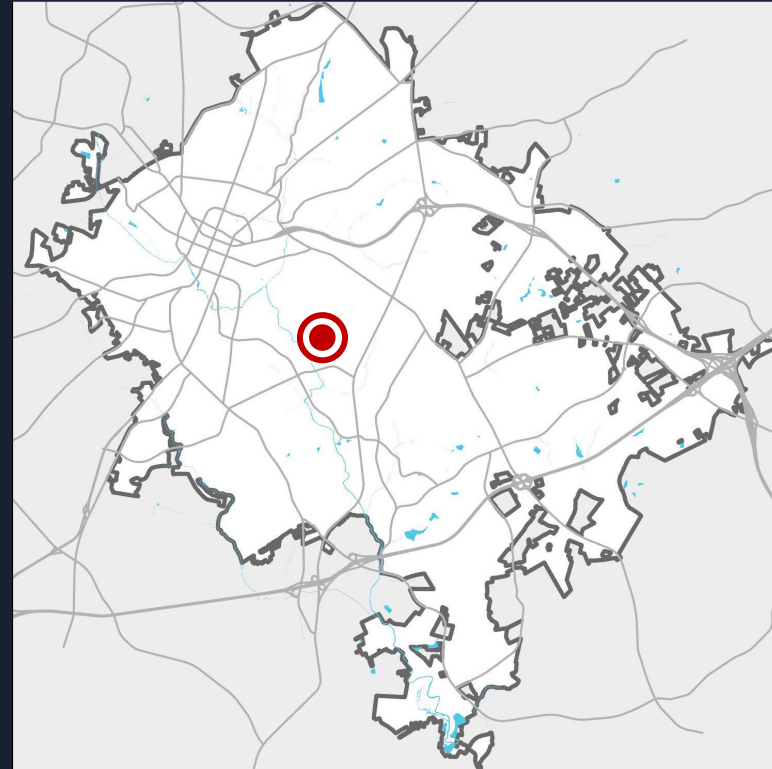
\$10,000 | TRAILS + GREENWAYS FUND



2017



1.25 MILES



LAUREL CREEK SPUR STUDY

SCOPE

Development of a set of feasibility plans and 10% engineering drawings with associated cost estimates to evaluate the potential to provide SRT connectivity along the Laurel Creek corridor from the Haywood Road Ped bridge to the Haywood Mall.

QUICK FACTS



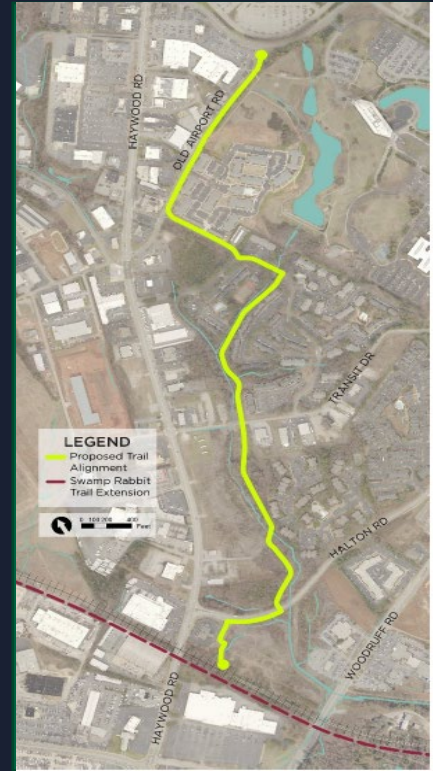
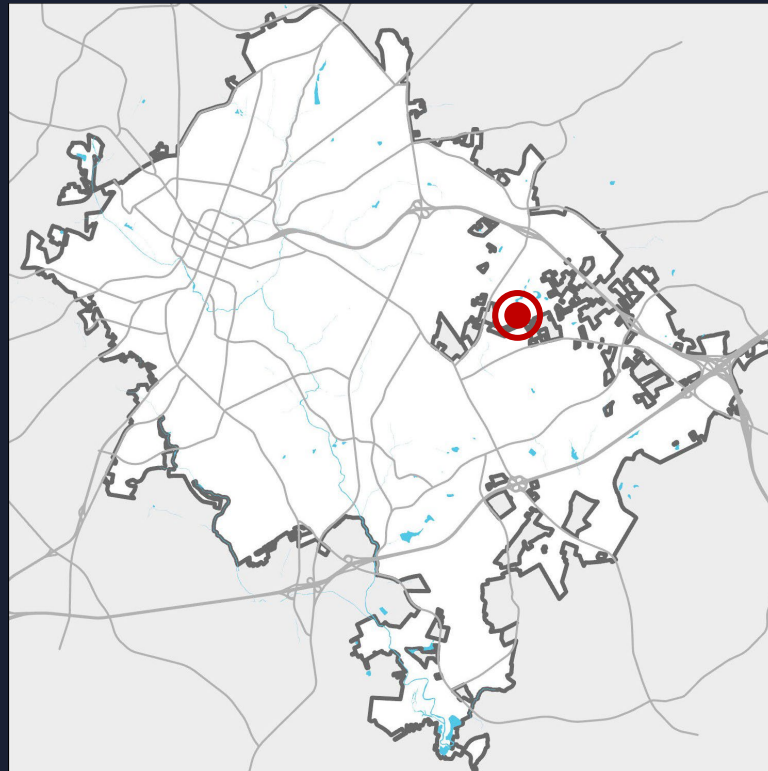
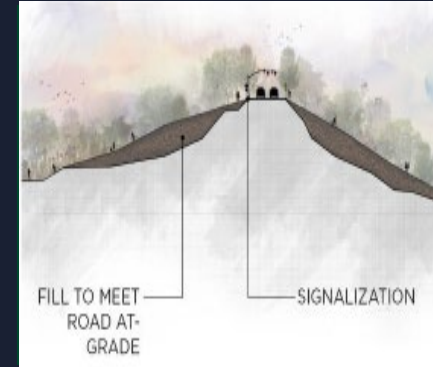
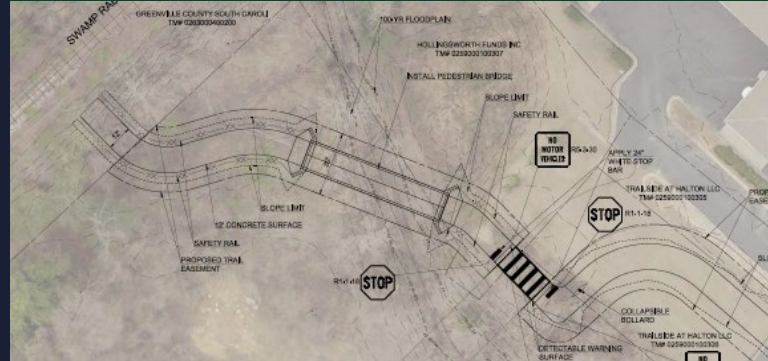
\$80,000 | TRAILS + GREENWAYS FUND



2018



1.3 MILES STUDIED



HUB NETWORK MASTER PLAN

SCOPE

A joint study that assessed the potential for unused and undevelopable City owned parcels near downtown Greenville for the purposes of development of natural surface trails. Recommendations from this document aided in the prioritization of the Sliding Rock II project.

QUICK FACTS



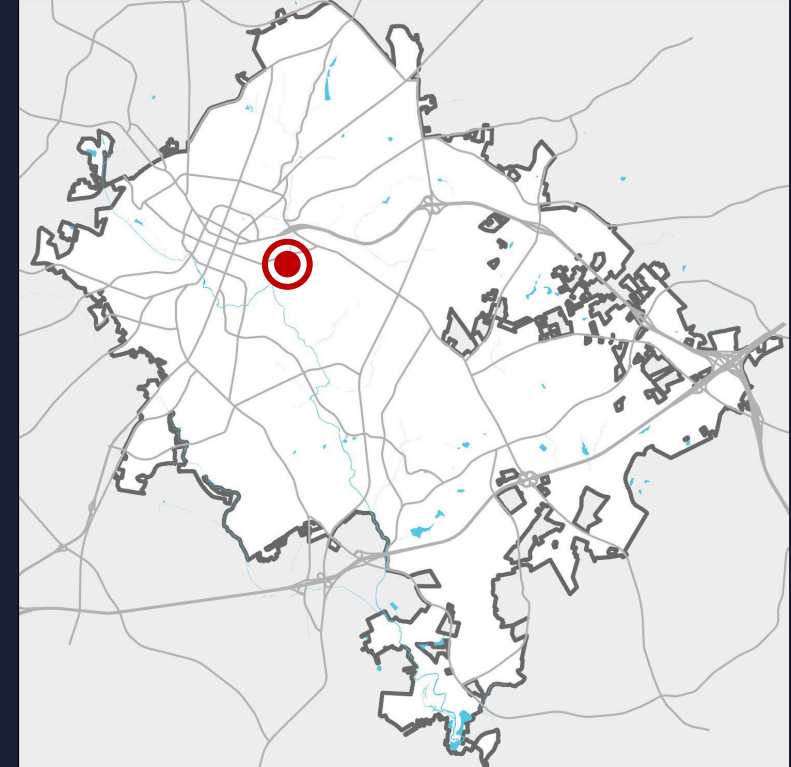
\$6,000 | TRAILS + GREENWAYS FUND
\$4,000 | SORBA FUNDING



2018



13 RECOMMENDED PROJECTS



SRT CROSSING IMPROVEMENTS

SCOPE

Improvements to increase visibility, safety, and function of existing SRT roadway crossings. Projects have included elements of lighting, striping, signage, speed reduction and advanced detection.



QUICK FACTS



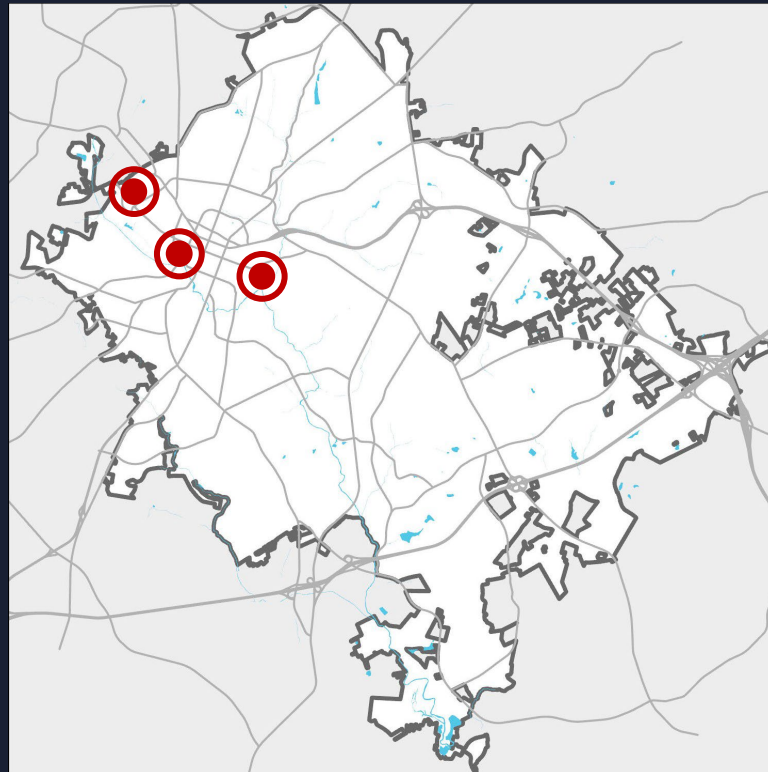
\$35,000 | TRAILS + GREENWAYS FUND



2022-2023



4 INTERSECTIONS



CLEVELAND CONNECTOR ‘THE PAPERCLIP’

SCOPE

Implementation of a unique engineering challenge related to providing connectivity for the SRT Green Line from Cleveland Park to the Laurens Road Ped Bridge. This project involved 2 large retaining walls and double switchbacks, giving it a unique shape and coining its nickname “The Paperclip”

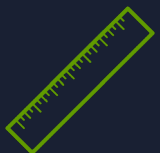
QUICK FACTS



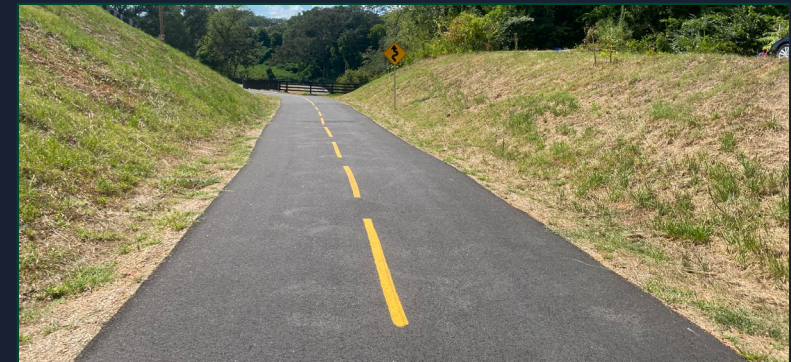
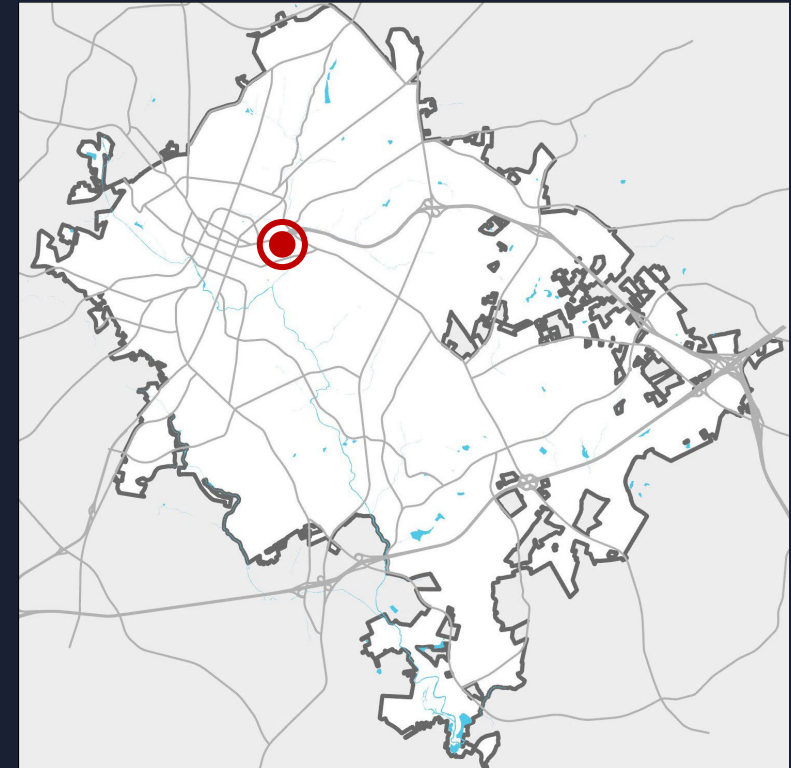
\$2.3M | TRAILS + GREENWAYS FUND



2022 - 2023



2,300 LF | 56 FT ELEVATION



MCDANIEL UNDERPASS BYPASS

SCOPE

During major rehabilitation of the McDaniel Avenue bridge, a bypass route for the SRT was developed to provide connectivity from Anderson Memorial to Cleveland Park. This at-grade crossing is a permanent addition to the system. Push button RRFB signage is planned for installation in late Fall 2023

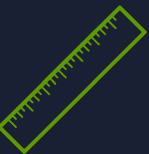
QUICK FACTS



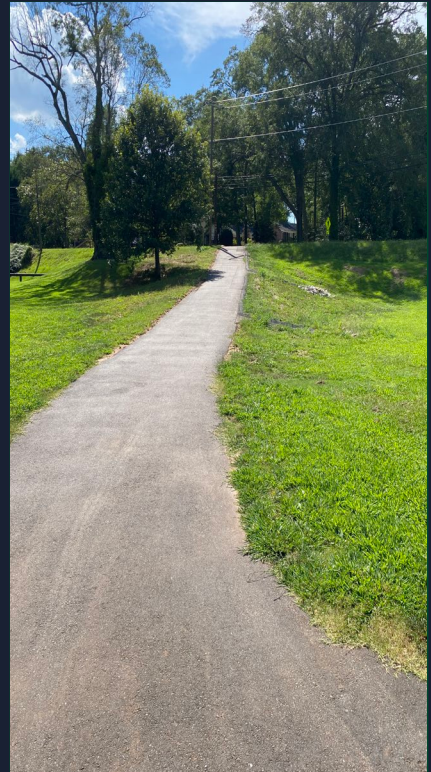
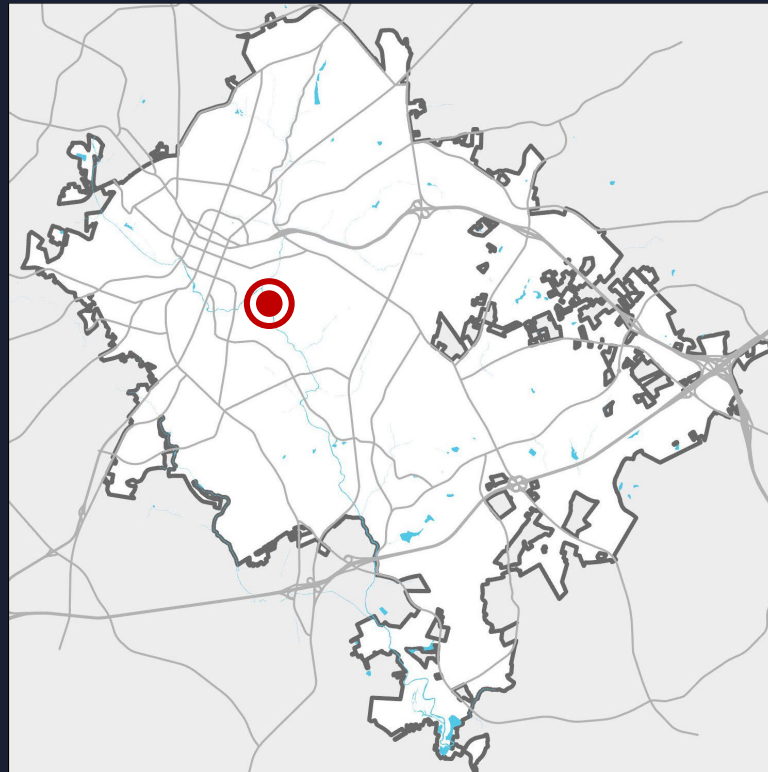
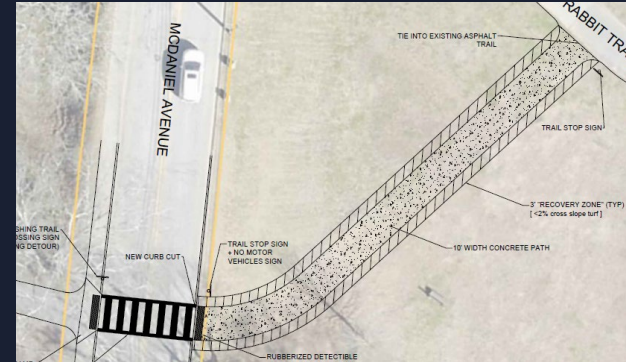
\$25,000 | TRAILS + GREENWAYS FUND



2022



330 LF | 1 NEW CROSSING



WILLARD STREET SPUR PATH

SCOPE

Supplementing a planned NSTEP funded sidewalk project, this 8' pathway was developed to provide a spur link between W Washington Street, past Unity Park, to Cain Street. This connection may become the trailhead for a new section of the SRT to connect to the West Village.

QUICK FACTS



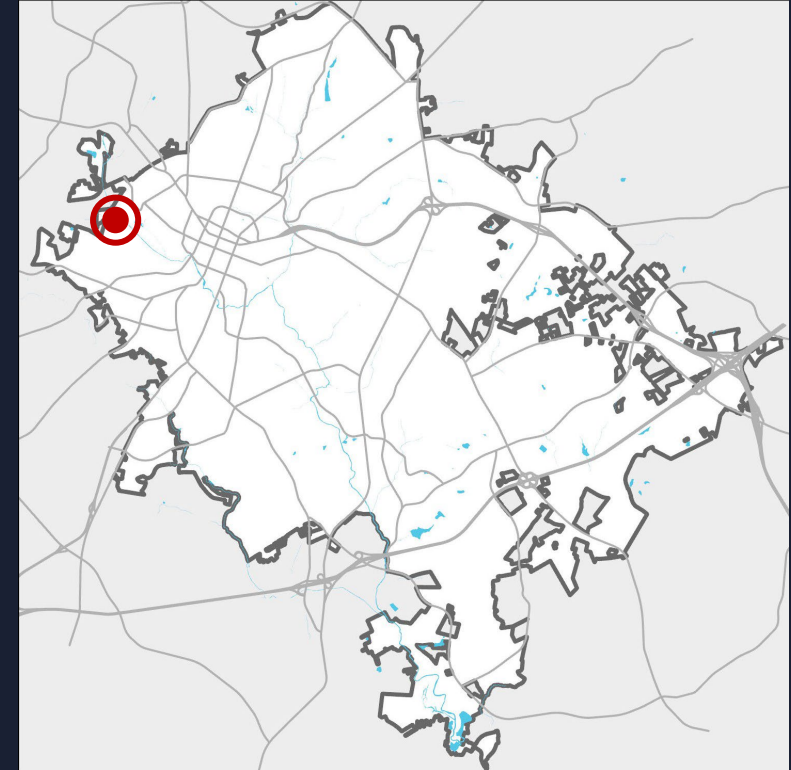
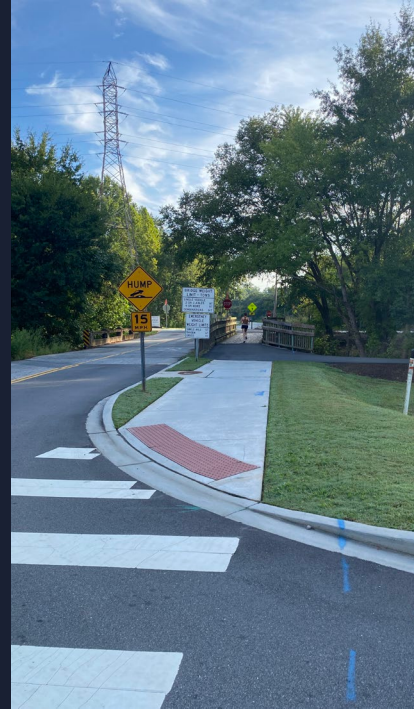
\$55,000 | TRAILS + GREENWAYS FUND



2022



1,730 LF



C-FUND STRIPING

SCOPE

Combining efforts and budget of C-Fund repaving and restriping efforts, Staff was able to design and implement new or improved on-street bike facilities for 8 corridors across the City, all of which include national best practices of design and utilization of high visibility markings.

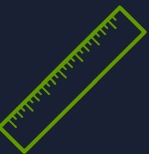
QUICK FACTS



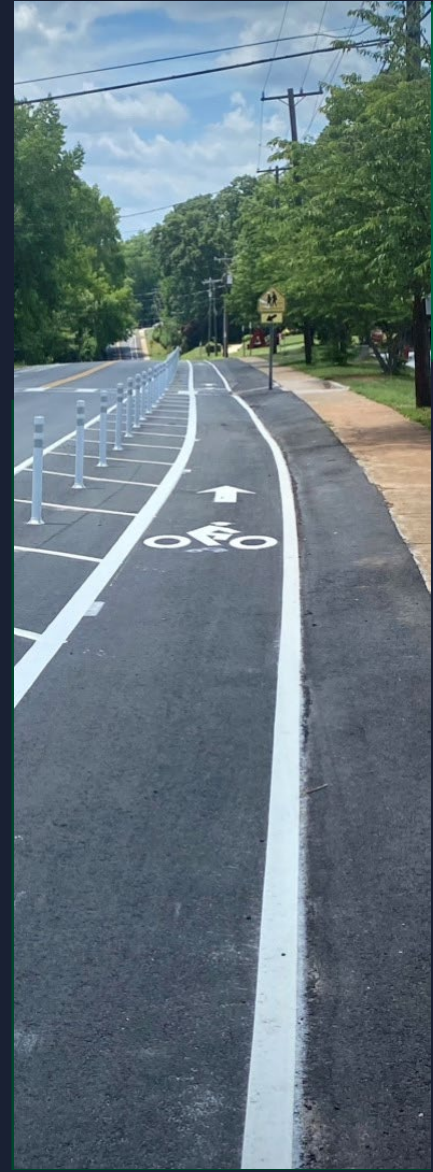
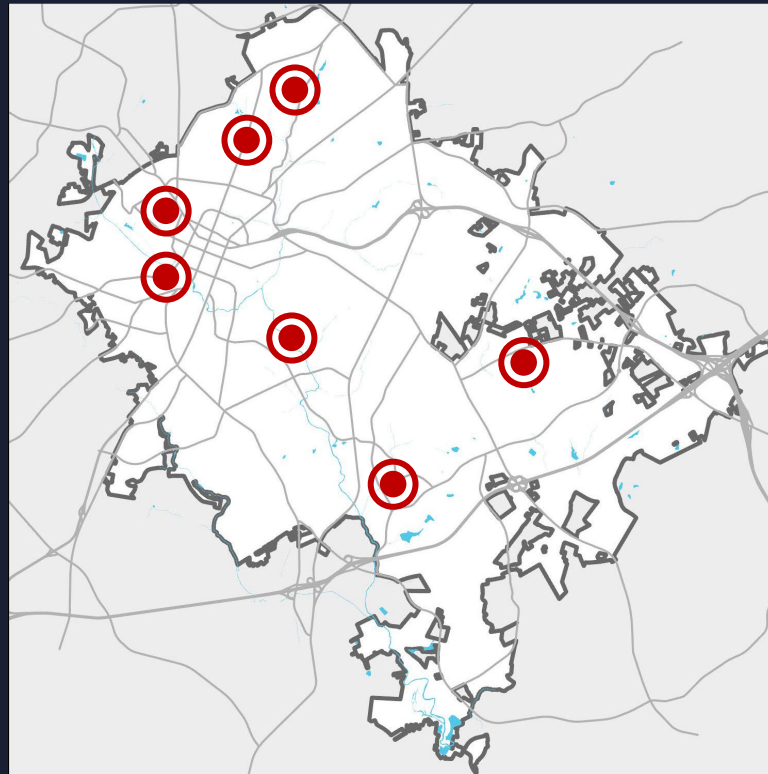
\$157,000 | TRAILS + GREENWAYS FUND



2022



4.18 MILES



GREEN LINE PEDESTRIAN BRIDGES

SCOPE

Construction of 2 pedestrian bridges as part of the extension of the SRT Green Line along Laurens Road. One bridge spans Laurens Road, coming off of 'The Paperclip', and the other spans Haywood Road.

QUICK FACTS



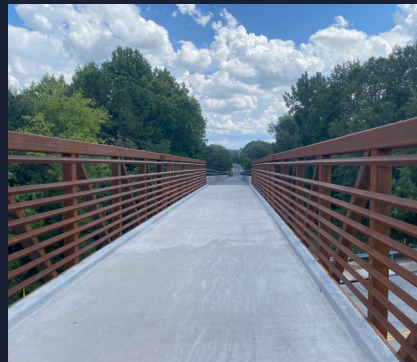
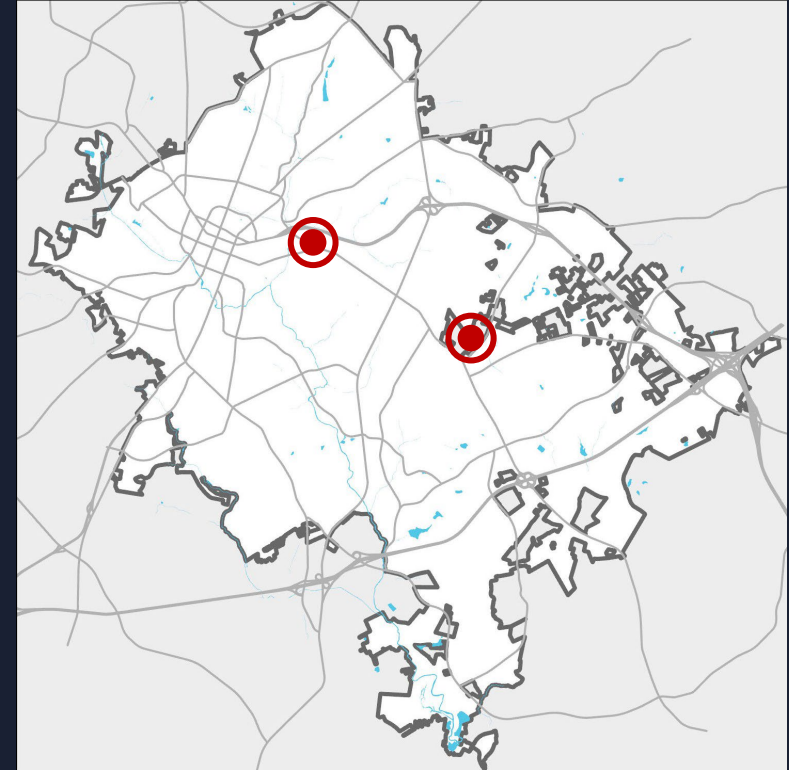
\$5.2M | CIP PROJECT ALLOCATION



2022 - 2023



1,250 LF



VERDAE BLVD CROSSING

SCOPE

Design and construction of an at-grade mid-block crossing on Verdae Blvd to provide SRT connectivity for the SRT Green Line Extension to CUICAR. This interim crossing solution will remain in place as the future Verdae Pedestrian Bridge design is developed and constructed.



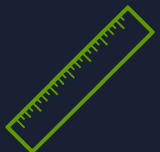
QUICK FACTS



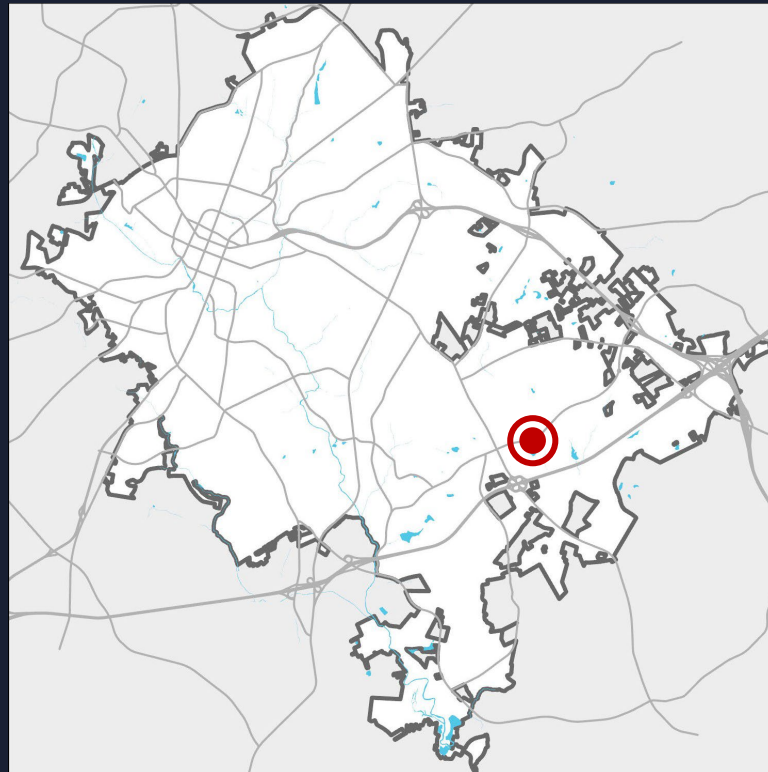
\$75,000 | CIP PROJECT ALLOCATION



2022



1 CROSSING | CITY'S FIRST BIKE SIGNAL HEAD



LEGACY PARK CONNECTOR

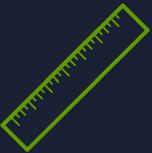
SCOPE

Development by Verdae Development Inc., this SRT connector spur will provide a direct connection from the recently completed SRT Green Line extension into Legacy Park. Concrete boardwalk and pre-fab bridge spans will provide connectivity over an approximately 500' wide wetland/riparian zone and will connect with existing park pathways near Algonquin.

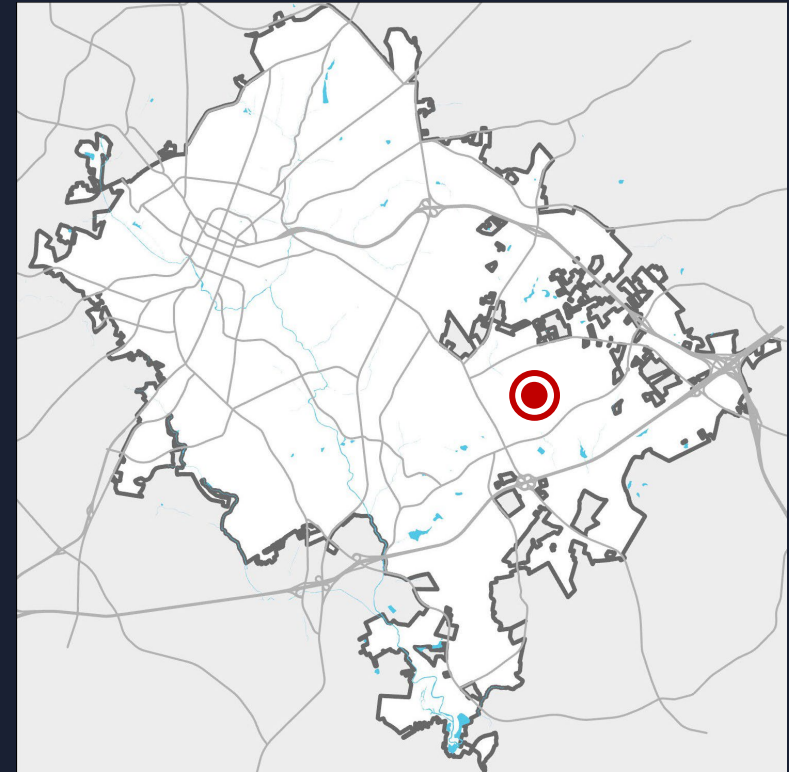
QUICK FACTS



2023 – 2024 COMPLETION



1,735 LF



NIB PAVING RESTRIPIING

SCOPE

Redesigns of 18 corridors throughout the city will provide new or improved on-street bike infrastructure that will help aid in expanding the City's mobility network and provide opportunities for larger destination connectivity and safe options for alternative transportation.

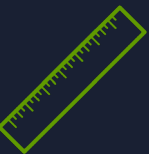
QUICK FACTS



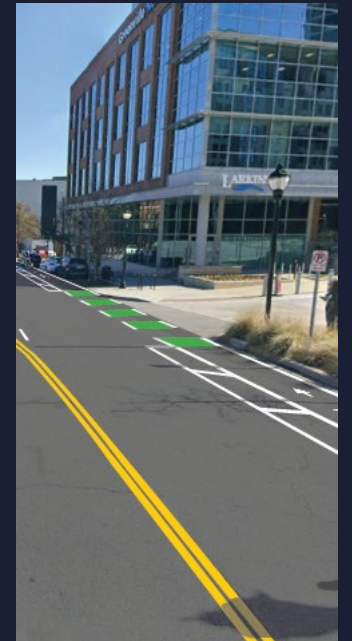
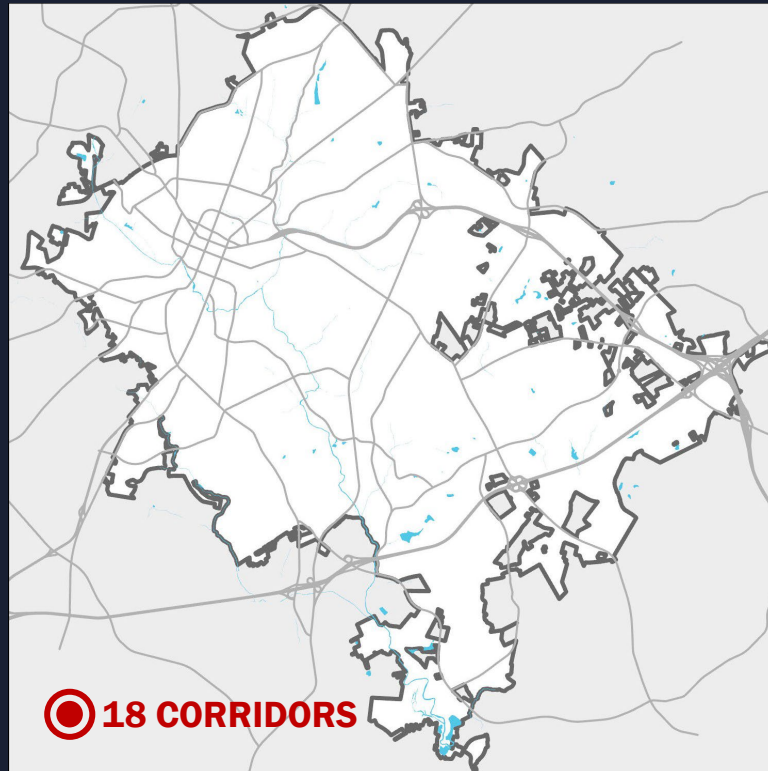
\$285,000 | NEIGHBORHOOD INFRASTRUCTURE BOND



2023-2024 COMPLETION



19.81 MILES



SLIDING ROCK II

SCOPE

Expansion of Sliding Rock I, this project will provide a new segment of hike/bike natural surface trail within the Nicholtown Community. It will establish connectivity to Sliding Rock I, the Sliding Rock section of the SRT, and will include an estimated 4 pedestrian bridges throughout the loop trail.

QUICK FACTS



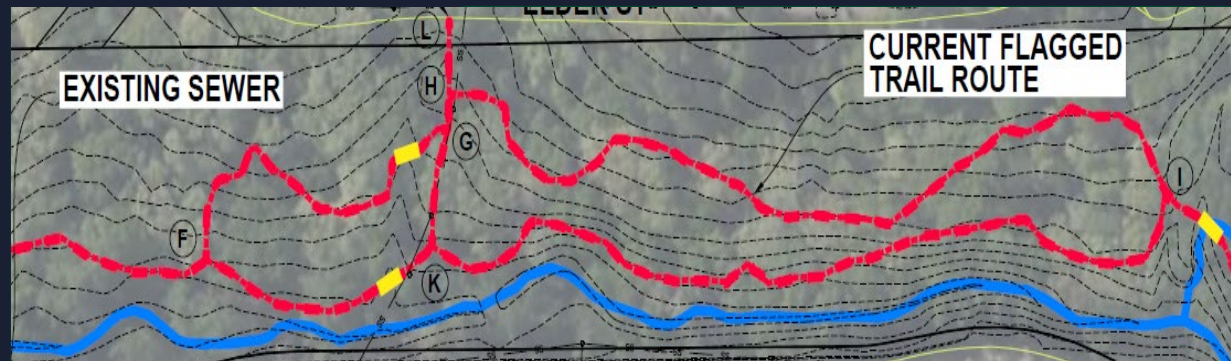
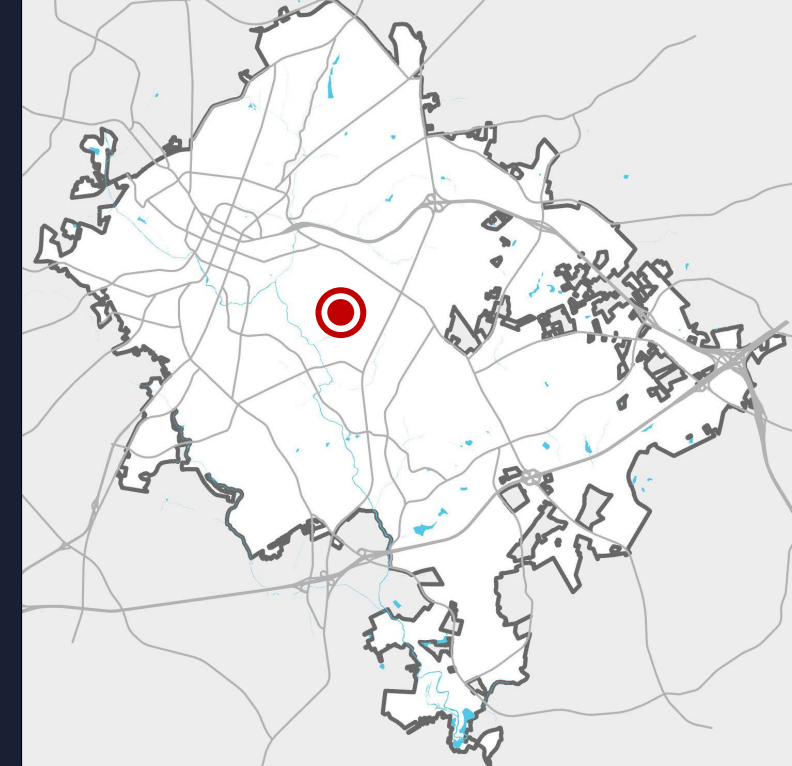
\$125,000 | TRAILS + GREENWAYS FUND
\$100,000 | RTP GRANT



2023-2024 COMPLETION



1 MILE



SRT NEIGHBORHOOD SPURS

SCOPE

Design and implementation of three neighborhood connectors. These will provide a designated route to the SRT Green Line Extension along Laurens Road from the Nicholtown, Gower, and Verdae neighborhoods utilizing improvements to existing at-grade crossings at signalized intersections and creation of new pathways as feasible.



QUICK FACTS



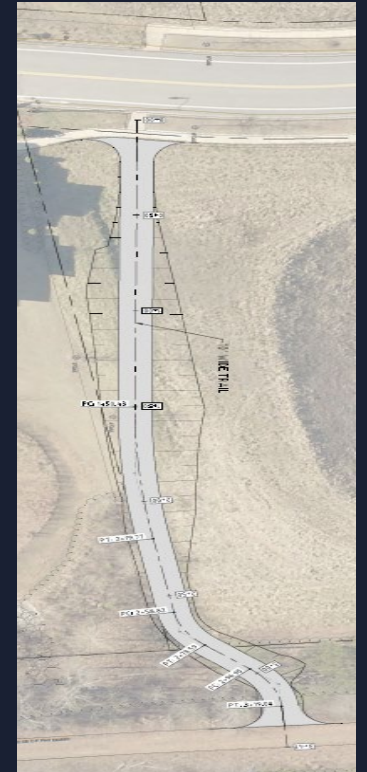
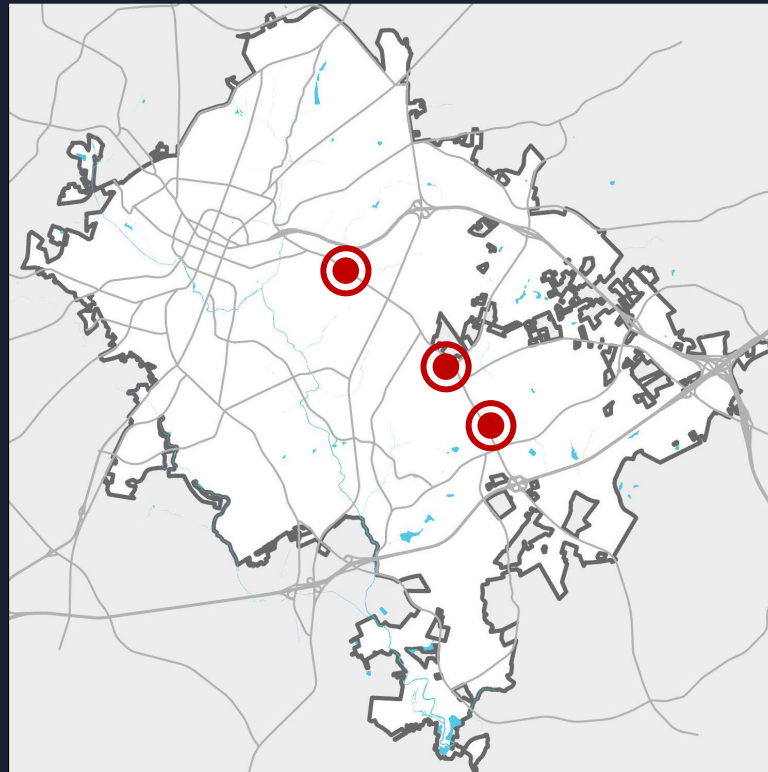
\$2.5M | CIP PROJECT ALLOCATION



2023 - 2024



1.5 MILES



CHURCH STREET UNDERPASS

SCOPE

Mitigating visibility and aesthetic concerns with the existing SRT Church Street underpass, a series of improvements will be implemented including minor trail widening, uphill screening, and introduction of lighting to increase safety and level of comfort.

QUICK FACTS



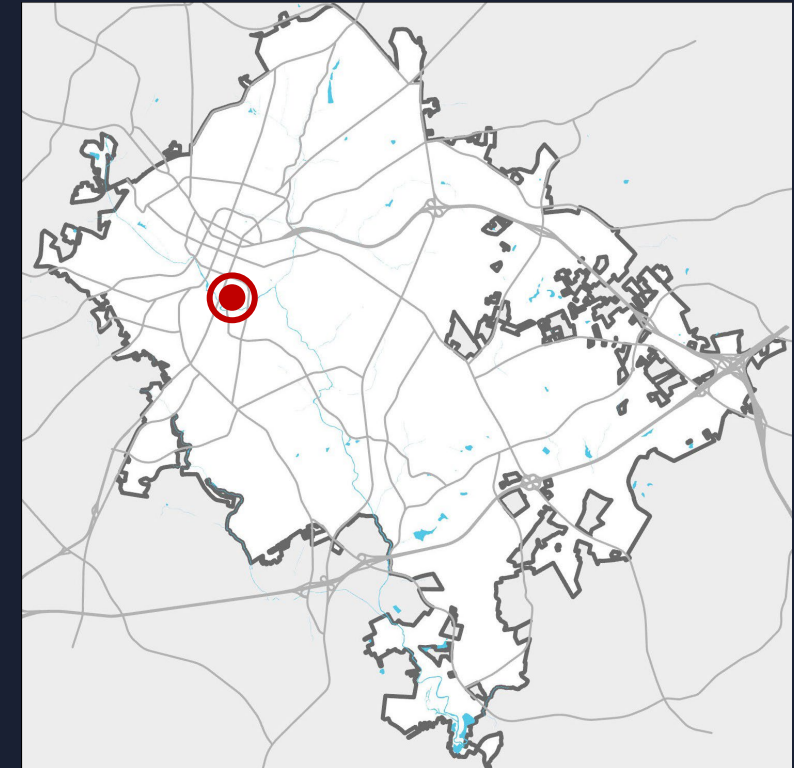
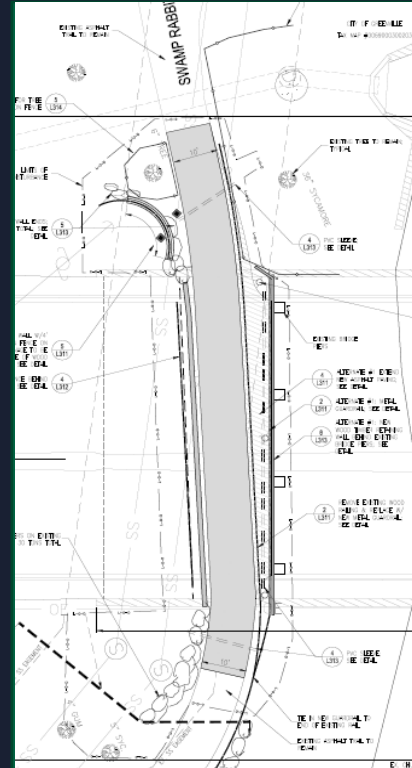
\$50,000 | TRAILS + GREENWAYS FUND



2023



100 LF



CLEVELAND PARK PED BRIDGE

SCOPE

Design and implementation of a new pedestrian bridge that will provide a direct connection of the SRT from the Zoo Parking Lot to the Richland Way SRT underpass. The current connections via crossings on Lakehurst Street will remain but become secondary for through users of the SRT Green Line.

QUICK FACTS



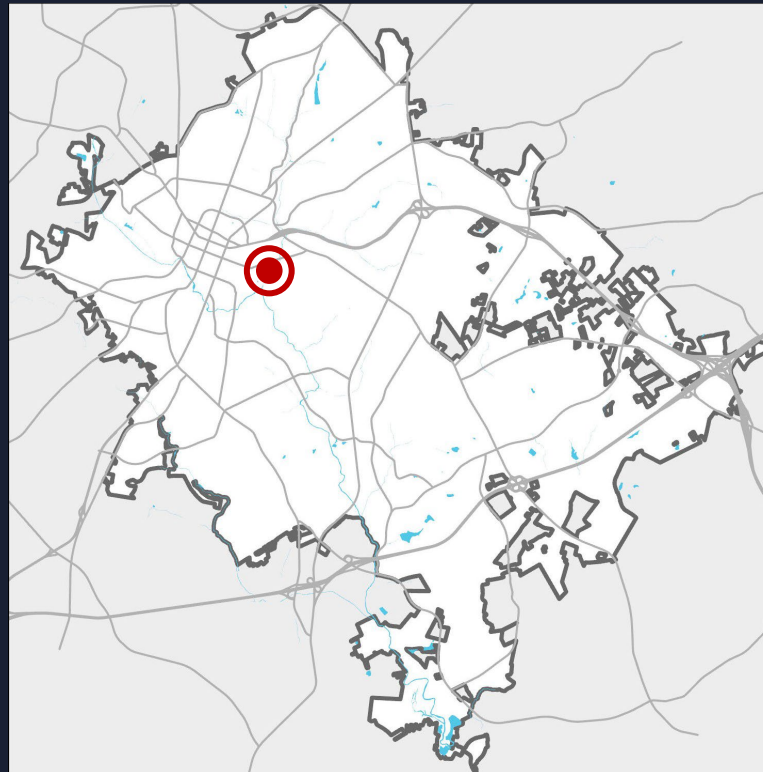
\$800,000 | TRAILS + GREENWAYS FUND



2024



600 LF | 1 PEDESTRIAN BRIDGE



CSP BOARDWALK REHAB

SCOPE

The CSP boardwalk was implemented by the Cancer Survivor Park Alliance and completed in 2016. Degradation of the original tread surface requires a full replacement of the tread surface timber and implementation of a strategy to maximize lifespan of new surfaces. Boardwalk repairs will blend seamlessly with existing undamaged sections and will incorporate best practices in skid resistance.

QUICK FACTS



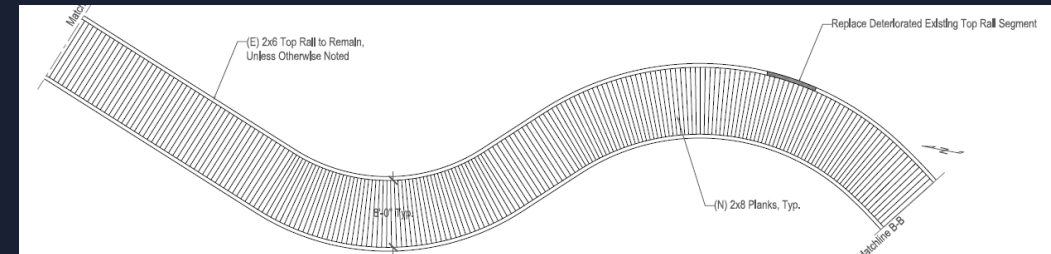
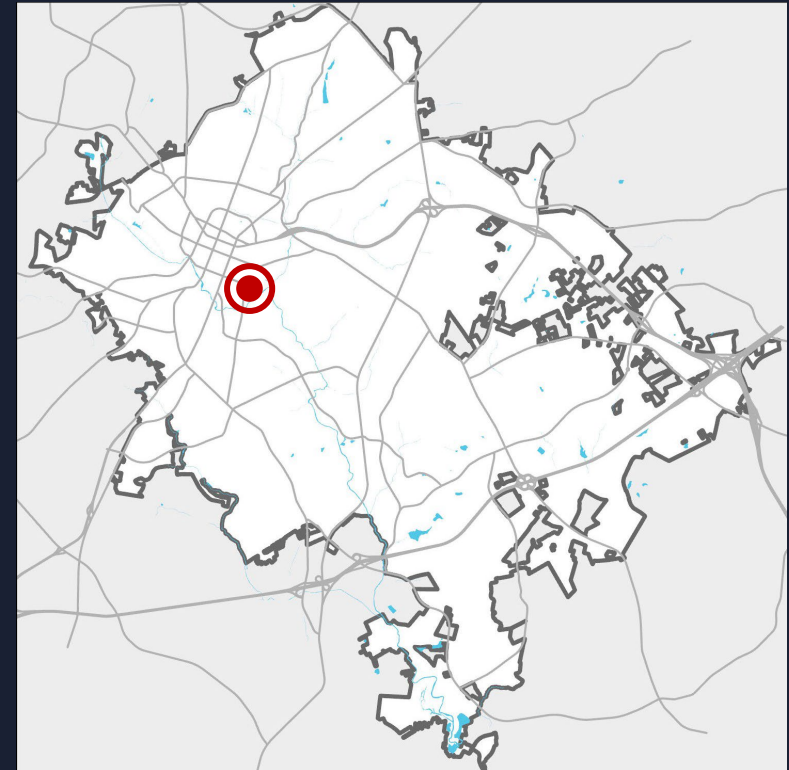
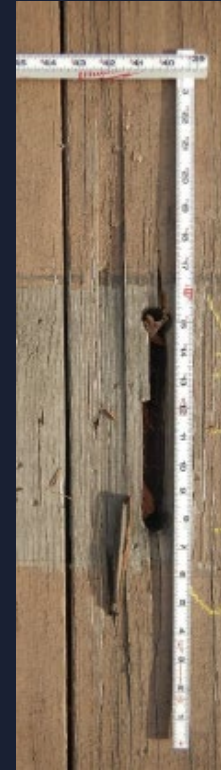
\$250,000 | CIP PROJECT ALLOCATION



2023 - 2024



1,000 LF



SKATEPARK + PUMPTRACK

SCOPE

Celebrating and building upon the recommendations of the recently released **Airport District Planning Study**, an approximately 5 acre property adjacent to the Airport's 'Community Corridor' and the SRT Green Line Extension is poised to house a brand new wheel park, that will include both a skate park and paved pumptrack.

QUICK FACTS



\$750,000 | CIP PROJECT ALLOCATION
FEASIBILITY + DESIGN

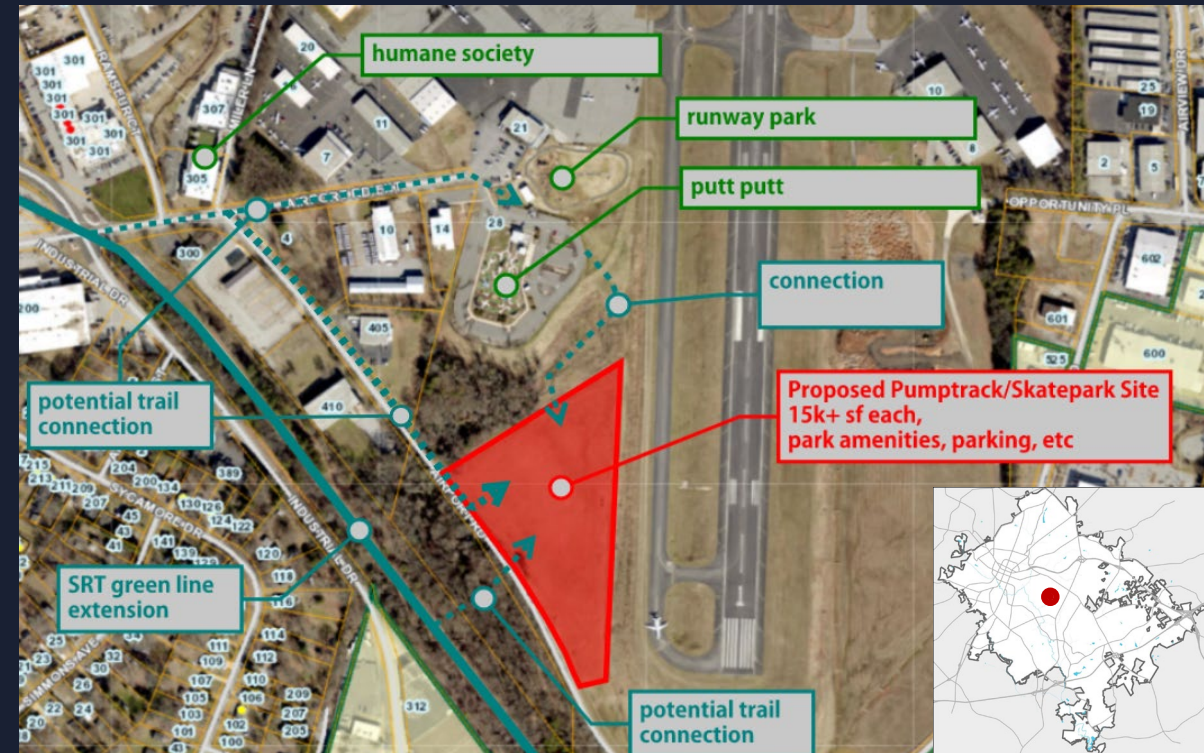


2023 – 2025

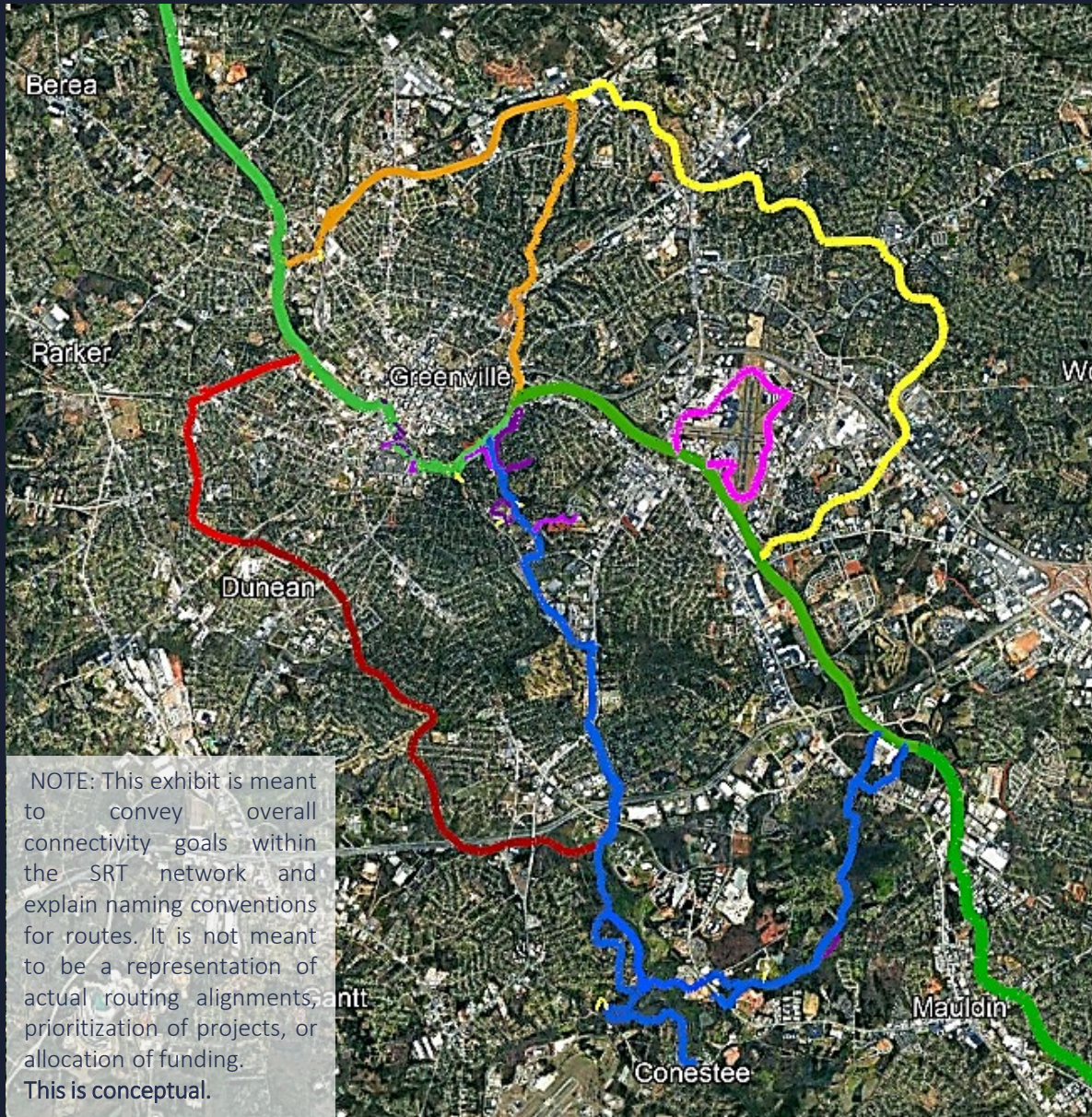


***15K+ SF PUMPTRACK**
***15K+ SF SKATEPARK**
***3/4 MILE TRAIL SPUR**

***GOALS**



SRT NETWORK BIG PICTURE



The GREEN Line

Existing – Travelers Rest to Verdae Blvd

Long Term – North Carolina to Laurens County

The ORANGE Line

Existing – Swamp Rabbit Café to Poe Mill

Long Term – Swamp Rabbit Café to The Paperclip

The BLUE Line

Existing – Cleveland Park to Pleasantburg (+Conestee)

Long Term – Cleveland Park to CUICAR

The RED Line (TBD)

Long Term – Unity Park to Conestee

The YELLOW Line (TBD)

Long Term – Haywood Bridge to Orange Line

Spur Lines + Spur Loops

Spur Lines – Secondary connector paths that end at a destination or other terminus point

Spur Loops – Secondary connector paths that loop back to themselves or a primary SRT route

QUESTIONS + DISCUSSION

Are there any trail, bike, or mobility priorities that we didn't touch on today?

WHAT IS OUR NEXT BIG IDEA?

OTHER INITIATIVES

- SRT Pavement Repairs
- On-Street Network Expansion
- Bike Master Plan Update
- Trails Master Plan Update
- BCycle System Expansion
- SRT Wayfinding



TRAILS + MOBILITY

PROJECTS REVIEW

September 2023