

Florence - Trails and Placemaking



Goals: Eye-catching • Inviting • Clean • Unique • Safe • Memorable

REASONS TO GET OUTSIDE

(nps.gov)



SMARTER

Just 20 minutes in nature improves concentration and reduces the need for ADHD and ADD medications in children. Walking through nature also improves cognitive function and memory.



STRONGER

Exercising in nature leads to greater health benefits than performing the same activity indoors.



HAPPIER

Physical activity in a green space can reduce stress and lower cortisol levels by 15%.



HEALTHIER

Walking in nature reduces inflammation and boosts your immune system, which decreases the risk of certain diseases and cancers.



MORE PRODUCTIVE

Children who walk 20 minutes in a park concentrate in school longer and have better participation.



Why Greenspace?

- Nature as our neighbor
- Quality of life impact
- Programming can be specific to existing neighborhoods
- Active and passive recreation
- Water management
- Shade / cooling of urban heat islands



Why Trails?

- Exercise
- Quality of life impact
- Social distancing
- Economic impact
- Entrepreneurial opportunities
- Creativity districts for artists
- Locally owned shops and dining





Environmental Resilience

- Promote health and wellness for humans and nature alike
- Embrace water and storm runoff sustainably

Cultural Resilience

- Be authentic to Florence
- Support local neighborhoods

Economic Resilience

- Create value in an urban area
- Provide opportunities for local businesses
- Provide jobs for construction, start-up businesses

GREENVILLE HEALTH SYSTEM

SWAMP RABBIT TRAIL

STUDY SHOWS \$6.7 MILLION ECONOMIC IMPACT

A December study of the Greenville Health System Swamp Rabbit Trail showed that 25% of the users in the trail's third year were tourists who spent \$6.7 million

in Greenville County. The report, Greenville Health System Swamp Rabbit Trail Year 3 Findings was conducted by a Furman University team led by Julian Reed, associate professor in the

department of health sciences. The report included a survey of 19 businesses in close proximity to the trail. Those businesses reported an increase in sales, some as much as 85%.



25% of trail users are tourists



Economic impact of tourism on local economy **\$6.7 million**



Average time users spend on trail: **1.5 hours**



Most popular times of year: **When temperatures are 61-70 degrees**



76.3% of users were observed on weekends.

Trail use up year over year

501,236



2013

403,323



2012



Use of the trail by minorities increased in 2013

Percentages of male and female trail users that are minorities increased year over year.

2013:



7.7%



9.7%

2012:



5.8%



8.1%

Businesses hot on the trail

Owners or managers of 19 retail businesses on or close to a trail access point were interviewed in 2013, including five retail bicycle shops. Two bike shops reported an average of **75%** of

their customers purchased bikes to use the trail in 2013. These two bike shops reported revenue ranging from **\$300,000** to **\$400,000** from trail users. The majority of the businesses surveyed

reported increases in sales and revenue ranging from **10%** to as high as **85%**. One bike store that focuses on rentals reported that customers are: **50% local** **30% from Spartanburg**

and suburbs **20% from outside areas, such as Atlanta**

One bike store owner reported that **75%** of its employees are biking for around an hour a day, daily.



Ty Houck, director of Greenways, Natural and Historic Resources at Greenville County Parks, Recreation and Tourism notes that beyond the well-documented economic boon from the 23-plus-mile Swamp Rabbit Trail, cycling creates myriad intangibles. Those range from lowered health care costs to marketing opportunities — especially for corporate recruiting.

“While we’re not going to compete for businesses at a level like Charlotte or Atlanta, if we are in the top three in the running for places for businesses to locate, we throw down the Swamp Rabbit Trail,” Houck says.

As Dr. Julian Reed puts it, corporations, and especially those whose executives happen to be avid cyclists, are increasingly listing quality-of-life amenities in their site-selection criteria. Reed, an associate professor of Health Sciences at Furman University, adds even more to the list; he mentions healthy workers’ increased productivity and 18 bicycle-shop owners who reported more than \$100,000 in annual revenues because of their proximity to the Swamp Rabbit Trail.

Upstate Business Journal, 6/2/22

This is the Prisma Health Swamp Rabbit Trail Network

Key:

- Parking
- Restrooms
- Mountain Biking
- Playground
- Animal Adventure Park
- High Caution Crossing
- One mile between arrows
- Greenlink Bus Route Stop
- Swamp Rabbit Station at Berea

Trail Surfaces:

- 8-15 ft. Wide Asphalt
- Packed Gravel
- On Street Connection

23+ miles as of Fall 2021

Travelers Rest
The Swamp Rabbit Trail Green Line parallels Main Street through Travelers Rest and has opened in several segments. The new Gateway Park, located behind Sunrith Adventures, offers additional recreational opportunities including a Mountain Biking Skills Park.

Swamp Rabbit Station @ Berea
Stop on by for a bit of history at this pocket park with a locomotive & rail car.

Lakeview Link
This 1.5 mile link connects the Swamp Rabbit Trail to the Lakeview Link in the City of Greenville.

The Orange Line
This 1.5 mile link connects the Swamp Rabbit Trail to the Orange Line in the City of Greenville.

Conestee Parks
These five combined parks in Conestee Park are a great place to enjoy nature. They include boardwalk trails, open fields, tennis courts, playgrounds, and more. Regular tower programs, seasonal events, and local art displays.

Downtown Greenville
The newly open trail through the heart of downtown Greenville. The Liberty Bridge provides a scenic view over the city. Cleveland Park with its open fields, tennis courts and playground is the largest park in the City of Greenville.

Fountain Inn
The Swamp Rabbit takes a longer hop down to the City of Fountain Inn located at 107 Mount Court Dr. Fountain Inn.

Scan here OR visit GreenvilleRec.org to stay up to date on the latest trail happenings!

Greenville County Rec Health • Recreation • Tourism

Prisma Health Swamp Rabbit Trail in Greenville County - 23 miles



Land and Water Conservation Fund Outdoor Recreation Legacy Program

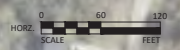
The Outdoor Recreation Legacy Partnership (ORLP) program was established in 2014 and is funded through the Land and Water Conservation Fund. ORLP is a nationally competitive program targeting grant assistance to help economically disadvantaged urban communities with no, or almost no, access to publicly available, close-by, outdoor recreation. Funds can be used for the acquisition and/or development of, or to substantially renovate obsolete, public parks and other outdoor recreation spaces. Projects are selected for funding by the Director of the NPS.

Matching grants (1:1) are available to help acquire and/or develop public land for all manner of outdoor recreation activities such as hiking, camping, unstructured play, picnicking, cycling, field and court sports, fishing, bird watching, swimming, paddling, and skating. Funds can be used for directly recreational facilities as well as some supporting facilities and infrastructure such as restrooms/bathhouses, cabins, pool houses, lighting, parking areas, etc. when part of a larger project to develop recreation facilities.

2022/23 compared to 2019/20:

\$192 million available	was \$40 million
City with population of 30,000	was 50,000
\$10 million maximum request	was \$1 million





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1:1000' PLAN 2/23/2023, 11:50 AM, MASTER PLAN 1/23/2023, 11:50 AM

LEGEND

- | | |
|---|--|
| 1 BASEBALL | 11 PLAY AREA (5-12 YEARS) |
| 2 SOFTBALL + MULTI-USE FIELD | 12 YOUTH CENTER |
| 3 PINE ST REALIGNMENT | 13 WATER TREATMENT FACILITY |
| 4 BASKETBALL COURTS + SHADE STRUCTURE | 14 SENIOR CENTER |
| 5 PICNIC PAVILION AND GRILLING STATIONS | 15 FUTURE SITE OF FOOD COURT AND RESTROOMS |
| 6 TENNIS + PICKLEBALL | 16 SENSORY GARDEN |
| 7 ADULT FITNESS AREA | 17 PUMP HOUSE AND RESTROOMS |
| 8 PICNIC SHELTERS | 18 DOG PARK |
| 9 CONCESSION STAND + RESTROOMS | 19 LIMITLESS PLAYGROUND |
| 10 PLAY AREA (2-5 YEARS) | 20 SPLASH PAD |



Splash pad to be visible from Palmetto Street



Interactive educational components to build stewardship of natural resources





Solar-powered
picnic areas and
lighting





Charging stations on benches, solar-powered call buttons, even glow-in-the-dark sidewalks



Fitness stations for bodyweight workouts





More than just a dog park



Sensory garden





Limitless playgrounds



Interactive skill-building stations (wall lights when hit)



Multi-purpose ball fields

LEVY PARK CONCEPTUAL MASTER PLAN
ORDER OF MAGNITUDE COST
FEBRUARY 17, 2023

ESTIMATE SUMMARY	
CONCEPTUAL MASTER PLAN IMPROVEMENTS	
LEVY PARK - ACTIVE USE 17-ACRE PARK	\$11,901,923.44
LEVY PARK - PASSIVE USE 3-ACRE PARK	\$5,702,521.88
ESTIMATED TOTAL IMPROVEMENTS	\$17,604,445.31

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LEVY PARK CONCEPTUAL MASTER PLAN
ORDER OF MAGNITUDE COST
FEBRUARY 17, 2023

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT COST	COST
LEVY PARK - 17-ACRE ACTIVE USE PARK					
SITE DEMOLITION					
1	VEGETATION REMOVAL	1	LSUM	\$65,000.00	\$65,000.00
2	COMMON EXCAVATION	395	CYD	\$75.00	\$29,625.00
3	REMOVAL, ASPHALT WALKWAY, FULL DEPTH	1400	SYD	\$22.00	\$30,800.00
4	REMOVAL, ASPHALT ROADWAY PAVEMENT, FULL DEPTH	2500	SYD	\$25.00	\$62,500.00
5	REMOVAL, LIGHT FIXTURE, POLE, & FOUNDATION	10	EA	\$500.00	\$5,000.00
6	CONCRETE PAVEMENT REMOVAL	65	SYD	\$36.00	\$2,340.00
7	EXISTING STRUCTURE DEMOLITION	1	LSUM	\$15,000.00	\$15,000.00
8	TENNIS COURT DEMOLITION	1	LSUM	\$30,000.00	\$30,000.00
9	BASKETBALL COURT DEMOLITION (4 COURTS)	1	LSUM	\$60,000.00	\$60,000.00
				*SUBTOTAL ESTIMATED COST:	\$300,265.00
SITE IMPROVEMENTS					
1	EARTHWORK	4000	CYD	\$25.00	\$100,000.00
2	GRILLS	6	EA	\$750.00	\$4,500.00
3	PICNIC TABLES	15	EA	\$1,850.00	\$27,750.00
4	BENCHES	15	EA	\$1,650.00	\$24,750.00
5	TRASH RECEPTACLES	12	EA	\$1,600.00	\$19,200.00
6	LANDSCAPE ALLOWANCE	1	LSUM	\$375,000.00	\$375,000.00
7	DRINKING FOUNTAIN	4	EA	\$4,250.00	\$17,000.00
8	WATER SERVICE ALLOWANCE	1	LSUM	\$40,000.00	\$40,000.00
9	SANITARY SERVICE CONNECTION	1	EA	\$50,000.00	\$50,000.00
10	GAS SERVICE CONNECTION	1	LSUM	\$15,000.00	\$15,000.00
11	STORMWATER UTILITIES	1	LSUM	\$200,000.00	\$200,000.00
12	DRAINAGE ALLOWANCE	1	LSUM	\$250,000.00	\$250,000.00
13	MISC. ELECTRICAL	1	LSUM	\$150,000.00	\$150,000.00
				*SUBTOTAL ESTIMATED COST:	\$1,273,200.00
PARKING LOT / WALKWAYS					
1	EARTHWORK	4715	CYD	\$40.00	\$188,600.00
2	PARKING LOT - CENTRAL	54500	SFT	\$9.00	\$490,500.00
3	PARKING LOT - TRAIL HEAD	7750	SFT	\$9.00	\$69,750.00
4	PARKING LOT - SENIOR CENTER	8500	SFT	\$9.00	\$76,500.00
5	MULTI-USE PATH - CONCRETE, 10' WIDE	4600	SYD	\$72.00	\$331,200.00
6	CONCRETE PAVEMENT, 4" THICK	1685	SYD	\$63.00	\$106,155.00
7	PARKING LOT LIGHTING	12	EA	\$6,500.00	\$78,000.00
8	WALKWAY LIGHT LIGHTING	90	EA	\$5,500.00	\$495,000.00
9	EMERGENCY CALL PEDESTALS	4	EA	\$7,500.00	\$30,000.00
10	LIGHT FOUNDATIONS	106	EA	\$1,200.00	\$127,200.00
11	MISC. ELECTRICAL	1	LSUM	\$100,000.00	\$100,000.00
12	ELECTRICAL SERVICE CONNECTION	1	LSUM	\$10,000.00	\$10,000.00
				SUBTOTAL ESTIMATED IMPROVEMENT COST	\$2,102,905.00
PINE STREET REALIGNMENT					

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ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT COST	COST
3	PLAYGROUND EQUIPMENT 2-5	1	LSUM	\$175,000.00	\$175,000.00
4	PLAYGROUND EQUIPMENT 5-12 - RELOCATION	1	LSUM	\$125,000.00	\$125,000.00
5	PLAYGROUND RESILIENT SURFACING	9350	SFT	\$18.00	\$168,300.00
6	OUTDOOR FITNESS EQUIPMENT	1	LSUM	\$125,000.00	\$125,000.00
7	OUTDOOR FITNESS RESILIENT SURFACING	3250	SFT	\$15.00	\$48,750.00
8	CONCRETE CURBING - FLUSH	142	LFT	\$35.00	\$4,970.00
9	BENCHES	9	EA	\$1,650.00	\$14,850.00
10	TRASH RECEPTACLES	3	EA	\$1,600.00	\$4,800.00
11	STORMWATER UTILITIES	1	LSUM	\$30,000.00	\$30,000.00
*SUBTOTAL ESTIMATED COST:					\$744,785.00
BRANDING ELEMENTS & ENTRY SIGNAGE					
1	PARK SIGNAGE	1	LSUM	\$75,000.00	\$75,000.00
*SUBTOTAL ESTIMATED COST:					\$75,000.00
TOTAL COST OF IMPROVEMENTS - LEVY PARK ACTIVE SPORTS					

SUBTOTAL ESTIMATED COST	\$9,521,538.75
MOBILIZATION/DEMOBILIZATION (5%)	\$ 476,076.94
CONTINGENCY (20%)	\$ 1,904,307.75
ESTIMATED CONSTRUCTION COST	\$ 11,901,923.44

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ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT COST	COST
LEVY PARK - 3-ACRE PASSIVE USE PARK					
SITE DEMOLITION & GENERAL SITE IMPROVEMENTS					
1	CLEARING AND GRUBBING	140000	SFT	\$0.80	\$112,000.00
*SUBTOTAL ESTIMATED COST:					\$112,000.00
SITE IMPROVEMENTS - 3-ACRE PASSIVE PARK					
1	EARTHWORK	2595	CYD	\$25.00	\$64,875.00
2	SITE LIGHT FIXTURE	65	EA	\$4,500.00	\$292,500.00
3	LIGHT FOUNDATIONS	65	EA	\$900.00	\$58,500.00
4	BENCHES	10	EA	\$1,850.00	\$18,500.00
5	TRASH RECEPTACLES	6	EA	\$1,600.00	\$9,600.00
6	STORMWATER UTILITIES	1	LSUM	\$175,000.00	\$175,000.00
7	LANDSCAPE ALLOWANCE	1	LSUM	\$100,000.00	\$100,000.00
8	IRRIGATION	8000	SYD	\$10.00	\$80,000.00
9	MISC. ELECTRICAL	1	LSUM	\$75,000.00	\$75,000.00
*SUBTOTAL ESTIMATED COST:					\$873,975.00
PARKING LOT / WALKWAYS					
1	EARTHWORK	1675	CYD	\$40.00	\$67,000.00
2	PARKING LOT	14700	SFT	\$9.00	\$132,300.00
3	MULTI-USE PATH - CONCRETE, 10' WIDE	725	SYD	\$72.00	\$52,200.00
4	DECORATIVE CONCRETE PAVEMENT, W/ GLOW AGGREGATE	950	SYD	\$135.00	\$128,250.00
5	CONCRETE PAVEMENT, 4" THICK	1460	SYD	\$63.00	\$91,980.00
6	PARKING LOT LIGHTING	7	EA	\$6,500.00	\$45,500.00
7	WALKWAY LIGHT LIGHTING	32	EA	\$5,500.00	\$176,000.00
8	EMERGENCY CALL PEDESTALS	1	EA	\$7,500.00	\$7,500.00
9	LIGHT FOUNDATIONS	39	EA	\$1,200.00	\$46,800.00
10	MISC. ELECTRICAL	1	LSUM	\$100,000.00	\$100,000.00
11	ELECTRICAL SERVICE CONNECTION	1	LSUM	\$10,000.00	\$10,000.00
SUBTOTAL ESTIMATED IMPROVEMENT COST					\$857,530.00
BUILDINGS - STRUCTURES					
1	RESTROOM - PUMP ROOM - STORAGE	2250	SFT	\$325.00	\$731,250.00
2	PICNIC SHELTERS - 15'X15'	2	EA	\$35,000.00	\$70,000.00
*SUBTOTAL ESTIMATED COST:					\$801,250.00
INTERACTIVE WATER FEATURE					
1	CONCRETE PAVEMENT, 6" THICK-SPLASH PAD	200	SYD	\$120.00	\$24,000.00
2	WATER LINE - 2" D.I.	200	LFT	\$70.00	\$14,000.00
3	CONNECT TO EXIST WATER SERVICE	1	EA	\$4,000.00	\$4,000.00
4	SPLASH PAD - WATER FEATURE EQUIPMENT	1	LSUM	\$200,000.00	\$200,000.00
5	WATER FILTRATION SYSTEM EQUIPMENT	1	LSUM	\$150,000.00	\$150,000.00
6	TRELLIS STRUCTURE	1	LSUM	\$150,000.00	\$150,000.00
7	BENCHES	6	EA	\$1,850.00	\$11,100.00

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ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT COST	COST
8	TRASH RECEPTACLES	2	EA	\$1,600.00	\$3,200.00
9	STORMWATER UTILITIES	1	LSUM	\$30,000.00	\$30,000.00
10	MISC. ELECTRICAL	1	LSUM	\$100,000.00	\$100,000.00
				*SUBTOTAL ESTIMATED COST:	\$686,300.00
LIMITLESS PLAYGROUND					
1	EARTHWORK	950	CYD	\$25.00	\$23,750.00
2	EARTH MOUNDS	1500	CYD	\$65.00	\$97,500.00
3	LIMITLESS PLAYGROUND EQUIPMENT & STRUCTURES	1	LSUM	\$400,000.00	\$400,000.00
4	CONCRETE STEPS	150	LFT	\$35.00	\$5,250.00
5	SENSORY NODES	5	EA	\$3,500.00	\$17,500.00
6	PLAYGROUND RESILIENT SURFACING	15725	SFT	\$18.00	\$283,050.00
7	DRINKING FOUNTAIN	1	EA	\$4,250.00	\$4,250.00
8	BENCHES	10	EA	\$1,850.00	\$18,500.00
9	TRASH RECEPTACLES	4	EA	\$1,600.00	\$6,400.00
10	STORMWATER UTILITIES	1	LSUM	\$50,000.00	\$50,000.00
11	LANDSCAPE ALLOWANCE	1	LSUM	\$100,000.00	\$100,000.00
				*SUBTOTAL ESTIMATED COST:	\$1,006,200.00
DOG PARK					
1	EARTHWORK	380	CYD	\$25.00	\$9,500.00
2	CHAIN LINK FENCING	425	LFT	\$35.00	\$14,875.00
2	DOG PARK EQUIPMENT	1	LSUM	\$30,000.00	\$30,000.00
3	LANDSCAPE SEEDED	1175	SYD	\$4.50	\$5,287.50
3	IRRIGATION	1175	SYD	\$10.00	\$11,750.00
4	BENCHES	6	EA	\$1,850.00	\$11,100.00
5	TRASH RECEPTACLES	3	EA	\$1,600.00	\$4,800.00
6	LANDSCAPE ALLOWANCE	1	LSUM	\$25,000.00	\$25,000.00
7	DRINKING FOUNTAIN	1	EA	\$4,250.00	\$4,250.00
8	TRASH RECEPTACLES	2	EA	\$1,600.00	\$3,200.00
6	MISC. ELECTRICAL	1	LSUM	\$5,000.00	\$5,000.00
				*SUBTOTAL ESTIMATED COST:	\$124,762.50
BRANDING ELEMENTS & ENTRY SIGNAGE					
1	PARK SIGNAGE	1	LSUM	\$100,000.00	\$100,000.00
				*SUBTOTAL ESTIMATED COST:	\$100,000.00
TOTAL COST OF IMPROVEMENTS					
				SUBTOTAL ESTIMATED COST	\$4,562,017.50
				MOBILIZATION/DEMOBILIZATION (5%)	\$ 228,100.88
				CONTINGENCY (20%)	\$ 912,403.50
				ESTIMATED CONSTRUCTION COST	\$ 5,702,521.88