



# **Greenways Overview**



**Campbell Creek Greenway** 

- wildlife habitat.
- people and places
- Trails that provide
- quality of life, good tax dollars.



Mecklenburg County **Park and Recreation** 

 Vegetated natural buffers that help protect water quality, reduce the impacts of flooding and provide

Linear parks that connect

recreation, transportation, fitness and economic benefits for all to enjoy. Promote diversity, health, business and stretch our

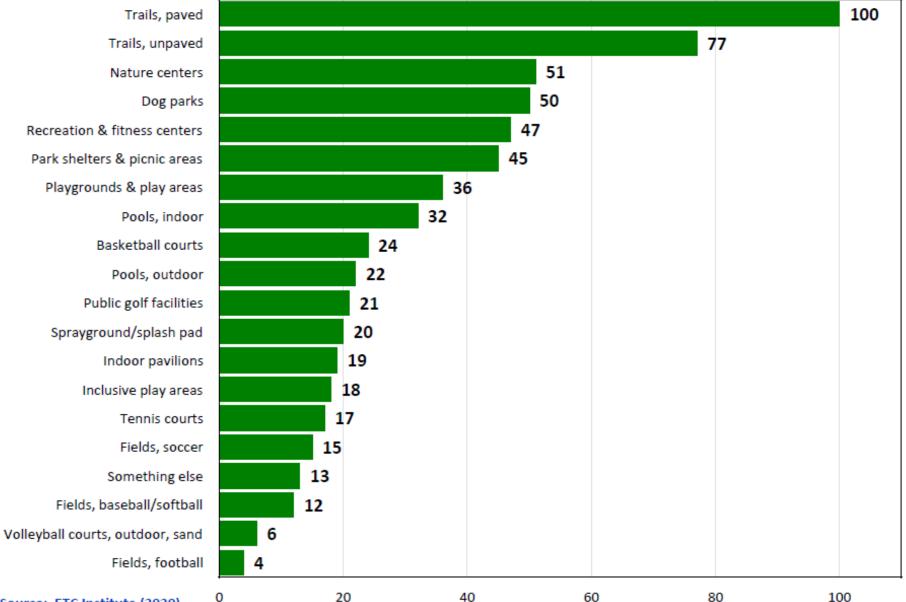
# **Greenways Overview**

- In 1966, the **Charlotte-Mecklenburg** Master Plan for recreation recommended greenways "as logical natural elements useful in creating a sense of physical form and order within the city."
- First Greenway Master Plan completed in 1980
- **#1 Amenity** requested by the residents today
- Greenway Master Plan includes 344 miles of greenway trails and 280+ miles of urban trails

### Importance Rating for Facilities

the rating for the item rated as the most important=100

the rating of all other items reflects the relative level of importance for each item compared to the item rated as the most important



Source: ETC Institute (2020)

40



Mecklenburg County **Park and Recreation** 

# **Greenway Features**



### **Paved Trail**



## Underpasses

- 10-12' Asphalt or **Concrete Trail**
- Paved trails are designed to handle floodplain conditions
- If possible, greenway crossings of roadways are separated
- Typically under roadway bridges or through **culverts**



etiquette



#### Mecklenburg County **Park and Recreation**

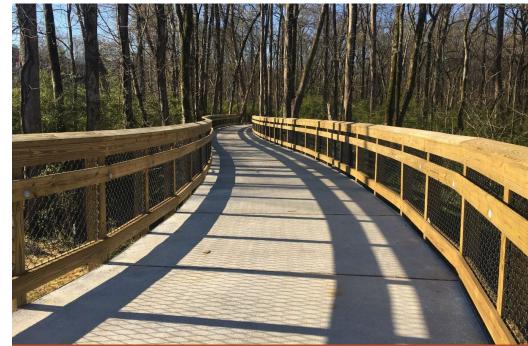
# Wayfinding signage provides orientation, distance, and trail

# **Greenway Structures**



## **Prefabricated Steel Bike/Ped Bridge**

• Weathering steel, fully assembled off site, low maintenance, 5-ton to 20ton loading



# **Boardwalk**

- Used for deeper channels, wetlands, steep cross slopes, and floodplain areas in lieu of grading.
- Built on site with 5-ton loading.



- long.
- Minor crossings.



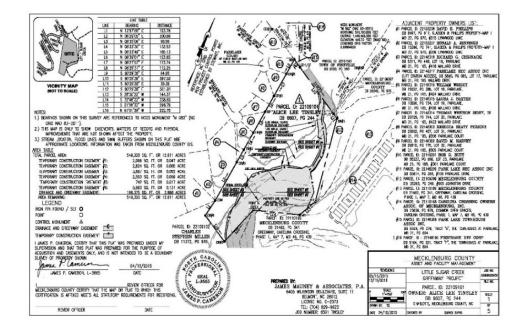
Mecklenburg County **Park and Recreation** 

# **Concrete Low** Water/Swale Bridge

### Matches trail width, 10'

# Poured in place concrete with 5-ton loading.

# **Greenway Constraints**



# **Land Acquisition**

- Can be very time consuming
- Easement vs. Fee Simple
- Potential Impact: Project delays, disconnections in the system

# • USACE, SWIM buffer,

Permitting

- **FEMA Floodplain Development permits**
- Potential Impact: Delays and added expense

#### bell Creek Greenway HUNTERSVILLE MINT HIL PINEVILLE 1742 RCEL IDENTIFICATION NUMBER/S 5512301, 16521402, 16521403, 16521404, 16508198, 16508106, 16508124, 16508101, 1650511; 505111, 16522199 mpbell Cre 159 / 457200K & 458200K McKim & Creed This EDP applies to the namel(s) of land listed be must obtain all other permits required for construction (Sed & EC, 401/404 Water Quality etc. This FDP expires when/if the current Effective FIRM applicable to the project is revised or updated

# **Budget Constraints**

- atmosphere

#### Individual Floodplain Development Permit



Mecklenburg County **Park and Recreation** 

	Ouantity	Unit	Unit Cost	Testal	Notes
ing a Fresion Cont	rol				
	104.200	SE	\$0.20	\$20,940	Cleaning and grobbing 30' wide swath stong a ignment
	30	LF	835	81,050	The end of the state of the sta
material	1,800	CY	830	808,000	Assume all soil with in flood plainings unsuitable soils, excevated to a depth of ft: 37524 SEE 1090 C2
(x50 x8)	3	EA.	\$3,000	\$0,000	
	100,000	SE	81	\$102,000	includes all grading and earthwork
	7.500	LF	\$4.50	\$34,200	
	33500	1.+	\$0.50	\$2,100	Assume 10. Elhydrochedling (Eltral)
				\$187.290	
	3 3 4 1	L ur	s1:	\$36,751	3341 LF asphalupath (at grade), includin
		-			overlagginegate base
	3,341	1 F	818	230,138	Assume 1.48 tons apphalt/CY
	3.3175	58	52	\$1,1096	11E (5) - 111 SY
	783	1 F	250	\$39,150	
	687	SE	\$15	\$10,305	
	1	LO	\$50.000	950.000	
	9	LA.	\$725	\$0.026	
	535	LF	240	\$21,400	
	671	1.8	\$90	\$73,420	
				\$223,955	
	552	LF	\$600	\$331,200	
				\$331,200	
					Section devaluements and all other
	115	LF	\$2,200	\$253.000	Sost includes allo iments and all other construction materials for bridge
	115	LF.	\$2,200	\$253,000 \$253,000	
	315	LF	\$2,200	\$253,000	
	315	LF	\$2,200	\$253,000	
	315	LF	\$2,200	4253,000 \$1.001.455 \$50,073	
	118	LT	\$2.200	\$253,000	

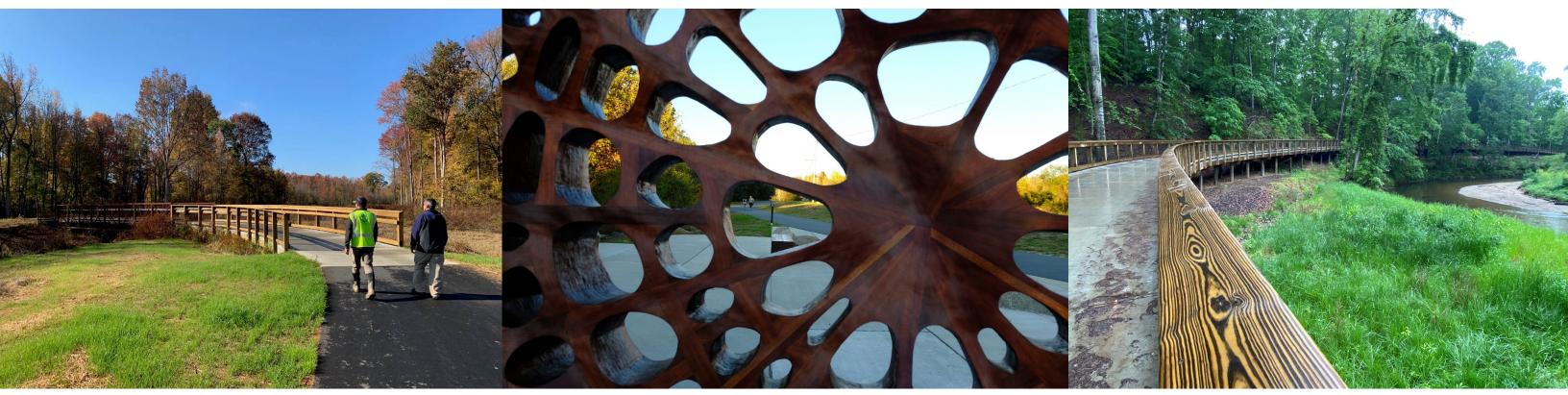
## Hard to estimate projects

### Limited number of qualified contractors

# Volatile bidding

### Potential Impact: Delays and added cost

# **Some Recently Completed Greenways**



Long Creek: Phase 1

Little Sugar: I-485 to Polk



McDowell: Gilead to Torrence Creek

Walker Branch: Tryon to Smith



#### Little Sugar: Polk to SC

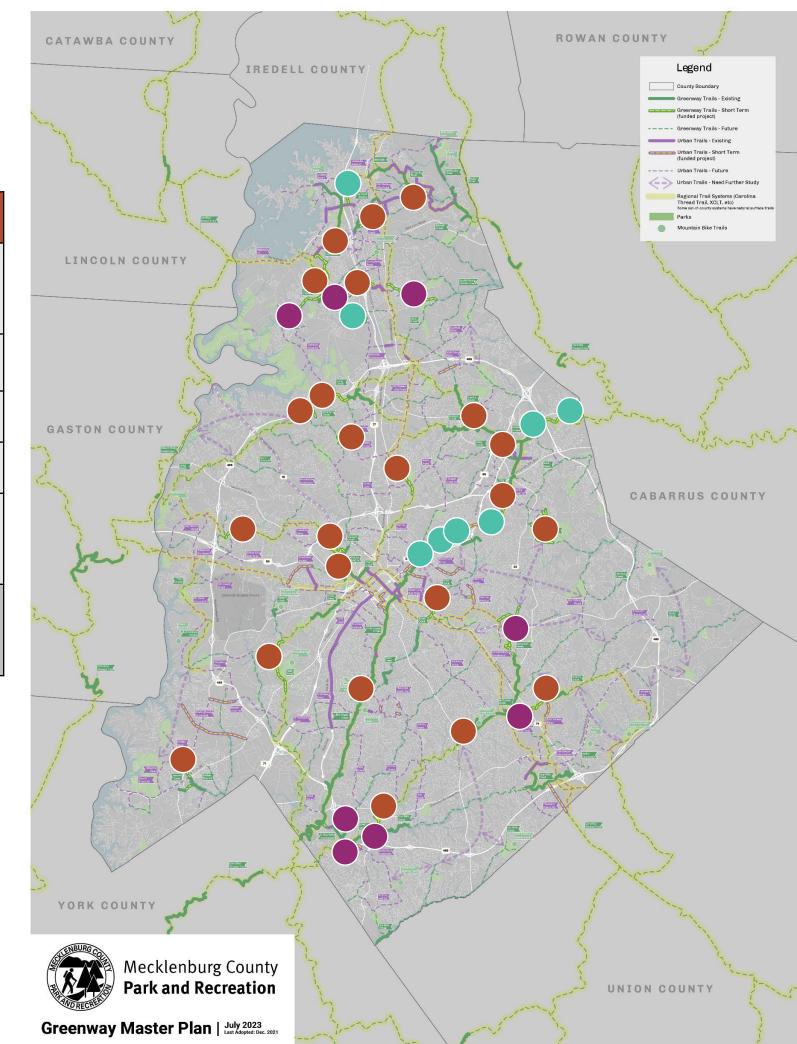
#### Barton Creek: Mallard to JW Clay



# **Greenway Projects**

Miles	Greenway Development Status
67	Existing/Developed (+ 20.4 miles of access trail)
13.9	Funded – In Construction
19.5	Funded – In Design
5.0	Funded – Future
11.3	Funded – By Others (Includes City + Town projects)
~116	Total Greenway Miles

- FY23 CIP Projects
- New FY 24-28 CIP Projects
- Oity/Town Projects





# **Greenway Projects In Construction**

Miles	Greenway Trail	Project Limits	Estimated Completion Date
1.1	Briar/Little Hope Creeks	Keystone to Manning	Mid 2024
0.8	Caldwell Station Tributary	Old Statesville to Ex. Caldwell Station Greenway	Late 2023
1.5	Irvins Creek	Idlewild to Lakeview	Summer 2023 (Already Paved)
2.0	Long Creek	Treyburn to I-485	Early 2024
2.1	Long Creek	I-485 to Oakdale	Late 2024
1.0	McAlpine Creek	51 to Johnston	Early 2025
0.6	McDowell Creek	Chilgrove to Gilead	Early 2024
0.9	McIntyre Creek	Beatties Ford to Clarencefield	Late 2023
1.5	Paw Creek	Little Rock to Loy	Fall 2024
0.5	Stewart Creek	State to Coronet Way	Fall 2023
1.0	Stewart Creek Trib 2	Coronet Way to Lakewood	Summer 2023
0.9	Torrence Trib 2	CATS Park and Ride to Rosewood Meadow	Late 2024
13.9	Total Greenway Miles in Construction		



# **Greenway Projects Starting Construction Next**

Miles	Greenway Trail	Project Limits	Estimated Completion Date
2.2	Irwin Creek	Old Statesville to Allen Hills Park	Late 2024
2.5	McDowell Creek	Birkdale to Chilgrove	Late 2024
2.5	Reedy Creek	Grier Rd to Plaza Rd Ext	Fall 2024
3.3*	Sugar Creek	Yorkmont to McDowell Farms	Early 2026
1.5	Walker Branch/Hoover Creek	Sledge Rd to Tryon St / Steele Creek Rd to Walker Branch Gwy	Late 2024
12	Total Greenway Miles		

\* Received additional or new construction funding in FY 24-28 CIP

# **Greenway Projects In Design**

Miles	Greenway Trail	Project Limits	Estimated
1.7*	Briar Creek	Central to Monroe	3 Phases
0.0*	Mallard Creek	Mallard Creek to David Taylor	TBD
2.9*	McDowell Creek	Gilead to Beatties Ford	TBD
2.9*	South Prong Clark Creek	Church to Asbury Chapel	TBD
7.5	Total Greenway Miles		

\* Received additional or new construction funding in FY 24-28 CIP

### d Completion Date

#### s: First Phase in 2025

# **New Greenway Projects in FY24-28 CIP**

Miles	Greenway Trail	Project Limits	Estimated		
	Investment Projects (New greenway trail miles)				
2.5	Campbell Creek	Ex. Gwy/Lockmont to Campbell Creek Park	Funded s Completi		
2.5	Irvins Creek	Ex. Gwy/Lakeview Cr to McAlpine Creek Gwy/Park	Funded s Completi		
Reinvestment Projects (Improving existing trails)					
0.0	Four Mile	Bevington Place to Johnston Road	Funded s Completi		
0.0	McAlpine Creek	Johnston Road to Carmel Road	Funded s Completi		
0.0	McMullen Creek	Hwy 51 to McAlpine Creek Gwy/Carmel Rd	Funded s Completi		
0.0	Torrence Creek	Cedar River Road to McDowell Creek Greenway	Funded s Completi		
5.0	Total New Greenway Miles				



### **Completion Date**

starting in FY 2027 ion: TBD starting in FY 2027

ion: TBD

starting in FY 2027 ion: TBD

starting in FY 2026 ion: TBD

starting in FY 2026 ion: TBD

starting in FY 2028 ion: TBD

# FY 24-28 CIP







# **Meck Playbook 4 Guiding Principles**

Master Plan – – – – –



### **Commit to Equity**

to make improvements and close gaps where it is needed most.



### **Evolve and Grow**

County assets to keep pace with population change and meet the needs of new communities.



### **Tell More Stories**

to increase awareness and make an impact.



# **Move Beyond Boundaries**

the system.

### www.PublicInput.com/MeckPlaybook



to better connect people and





# Implementation **Highlights**

### Reinvestment

Focus Capital Reinvestment on poorly rated parks and facilities

Investment Balance Capital Investment to increase access to parks, improve connections, and expand greenways

### Land

Acquire land to continue to grow the system and protect natural resources

### Staff

Build staff and operational capacity to maintain parks and expand access to programs

Engagement Gather **community feedback** at all stages **Facility Need** Inventory **Previous CIP** 

#### **CAPITAL PROJECTS**

Reinvestment Investment Land Acquisition

#### Principles, **Goals, Strategies**

#### **Community Need Public Feedback**

Implementation **Actions** 

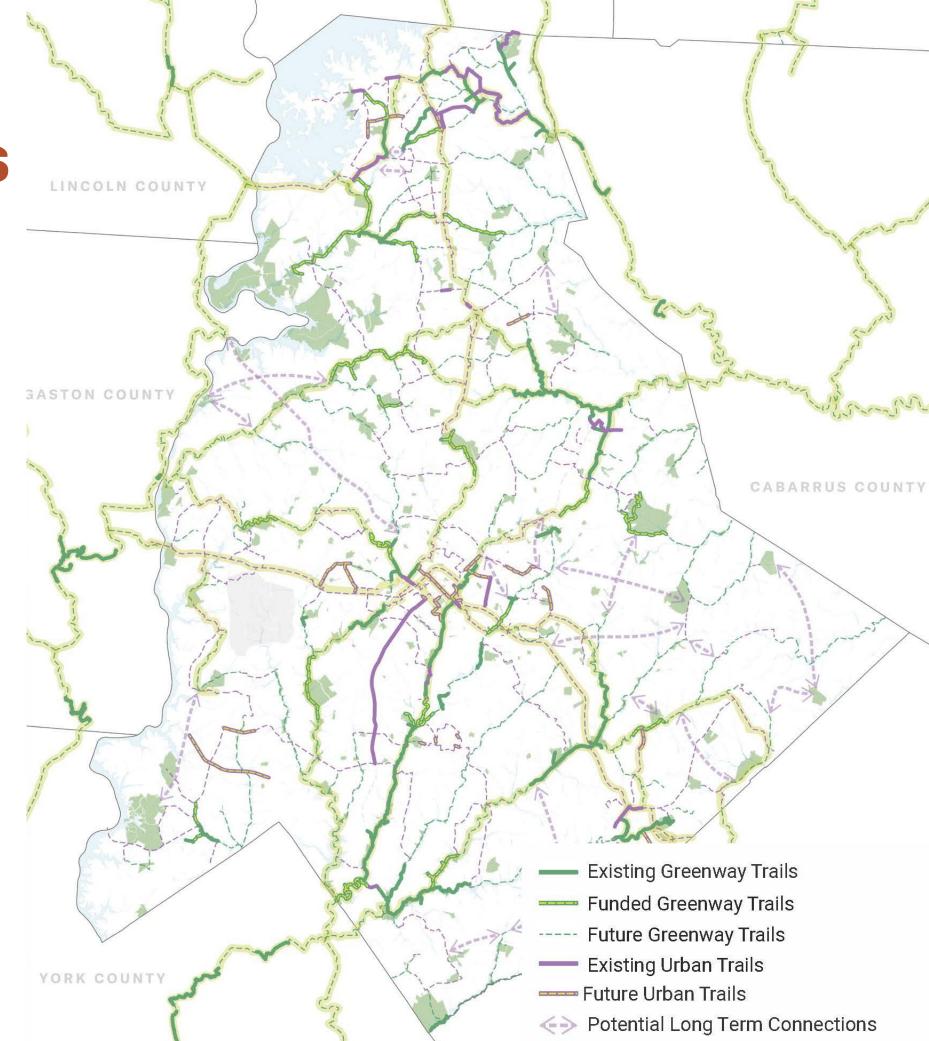
#### WHERE DO WE BEGIN?

Staffing and Hiring Programming Implementation

# Meck Playbook **Greenway Priorities**

Priority Greenway Trail projects will:

- **Connect** to existing trails
- Require less land acquisition
- Serve priority communities or fill gaps to parks and trails
- **Expand Partner** project opportunities



# **Greenway Priority Ranking**

Connectivity	<ul> <li>Does the project connect to and ex Bike-ped network?</li> <li>This criterion was strongly requestion</li> </ul>
Land Needs	<ul> <li>How many parcels need to be acquired to section of greenway?</li> <li>Greenway sections with the fewest parce acquired are given the highest priority.</li> </ul>
Equity	<ul> <li>Two characteristics identified in M</li> <li>Priority Communities</li> <li>Park and Recreation Gap Areas</li> </ul>
Project Partnerships	<ul> <li>Does work by others provide a ber providing funding to the greenway</li> <li>Ex: Road underpasses for gwy, trail built, traff design.</li> </ul>



Mecklenburg County
Park and Recreation

### expand the existing

### ested by the GAC.

to complete this

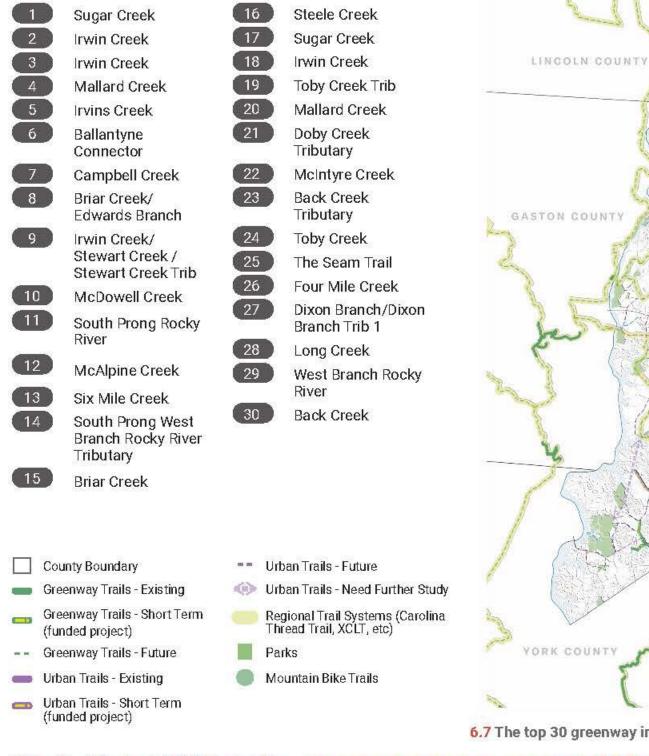
els remaining to be

Meck Playbook:

enefit other than y network? ffic improvements,

# Meck Playbook **Greenway Priorities**

#### **Tier One Greenway Projects**



CATAWBA COUNTY

IREDELL COUNTY

6.7 The top 30 greenway investment priorities are identified above.



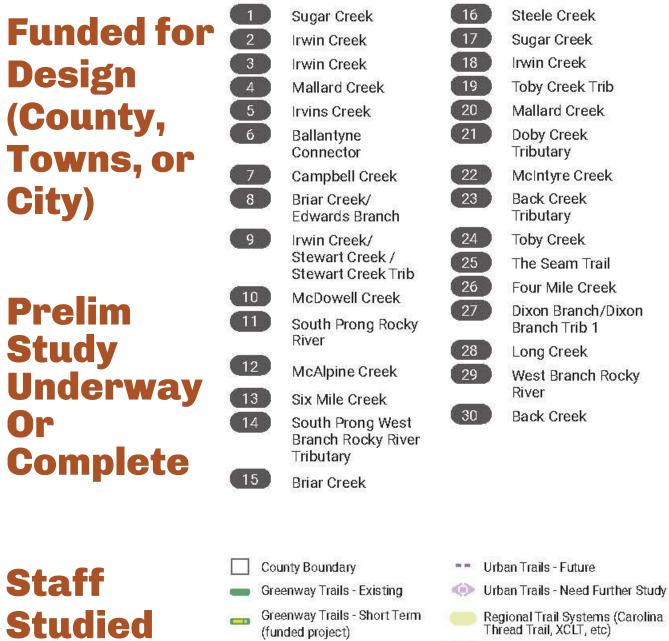
# Meck Playbook **Greenway Priorities**

**City**)

Or

Staff

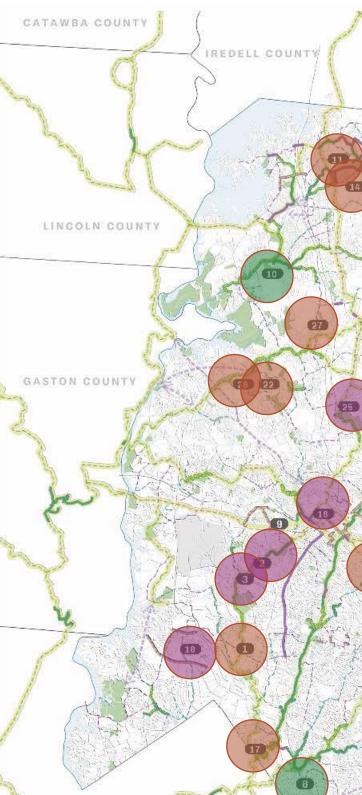
#### **Tier One Greenway Projects**



-- Greenway Trails - Future

urban Trails - Short Term (funded project)

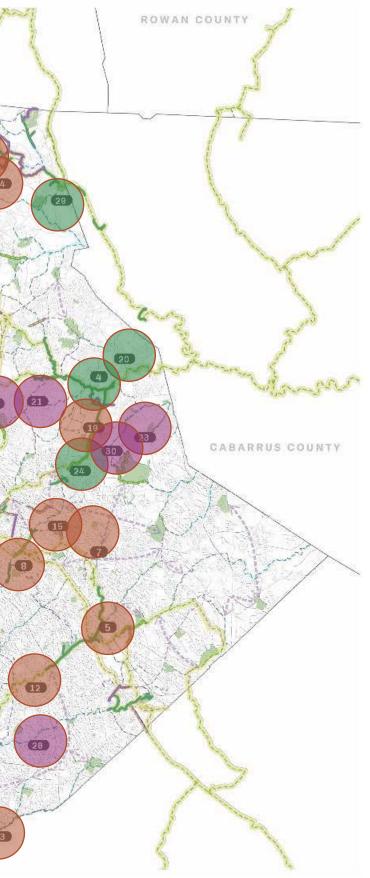
Urban Trails - Existing



- Thread Trail, XCLT, etc) Parks
  - Mountain Bike Trails
- 198 MeckPlaybook 2021 Master Plan

6.7 The top 30 greenway investment priorities are identified above.

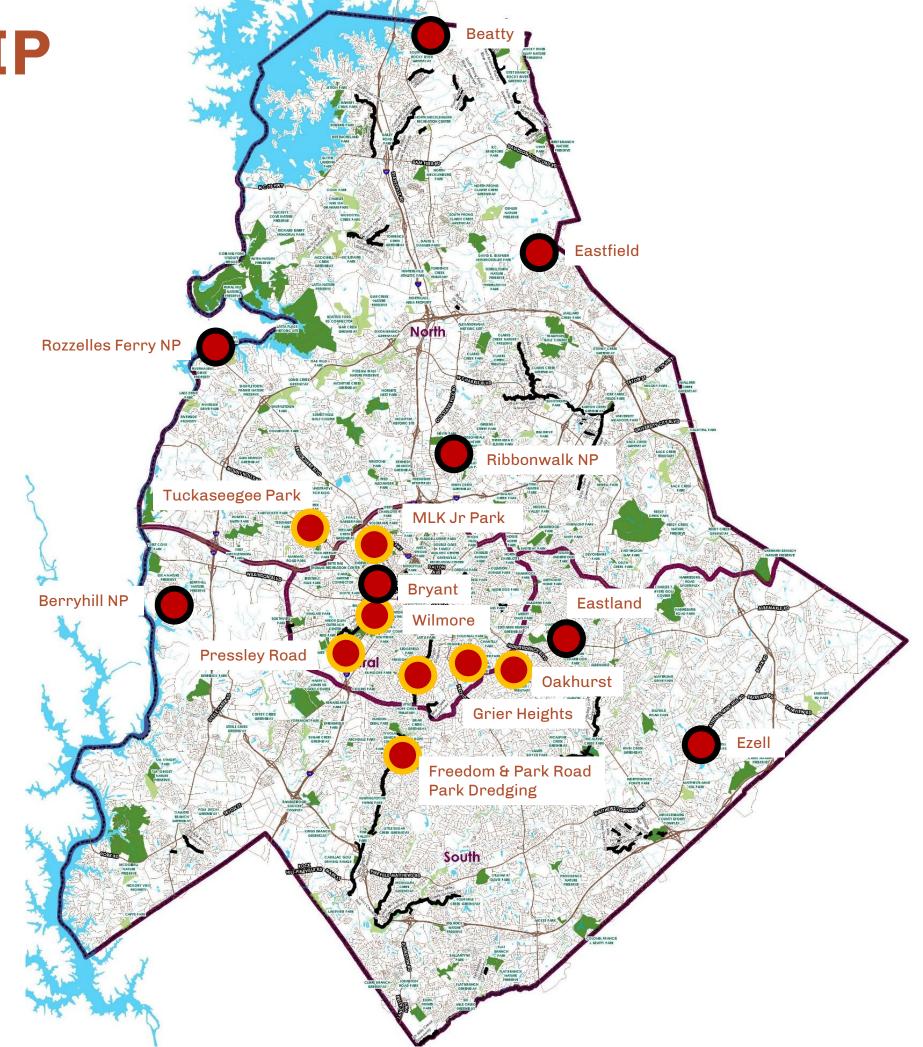
YORK COUNTY



# Proposed FY 24-28 CIP Park and NP Projects

Parks and Nature Preserves

- Reinvestment
- Investment
- **Greenway Trails**
- Reinvestment
- Investment
- Facilities
- Reinvestment
- Investment
- **Other Projects**
- Connections
- Park Amenities



# **Proposed FY 24-28 CIP Greenway Projects**

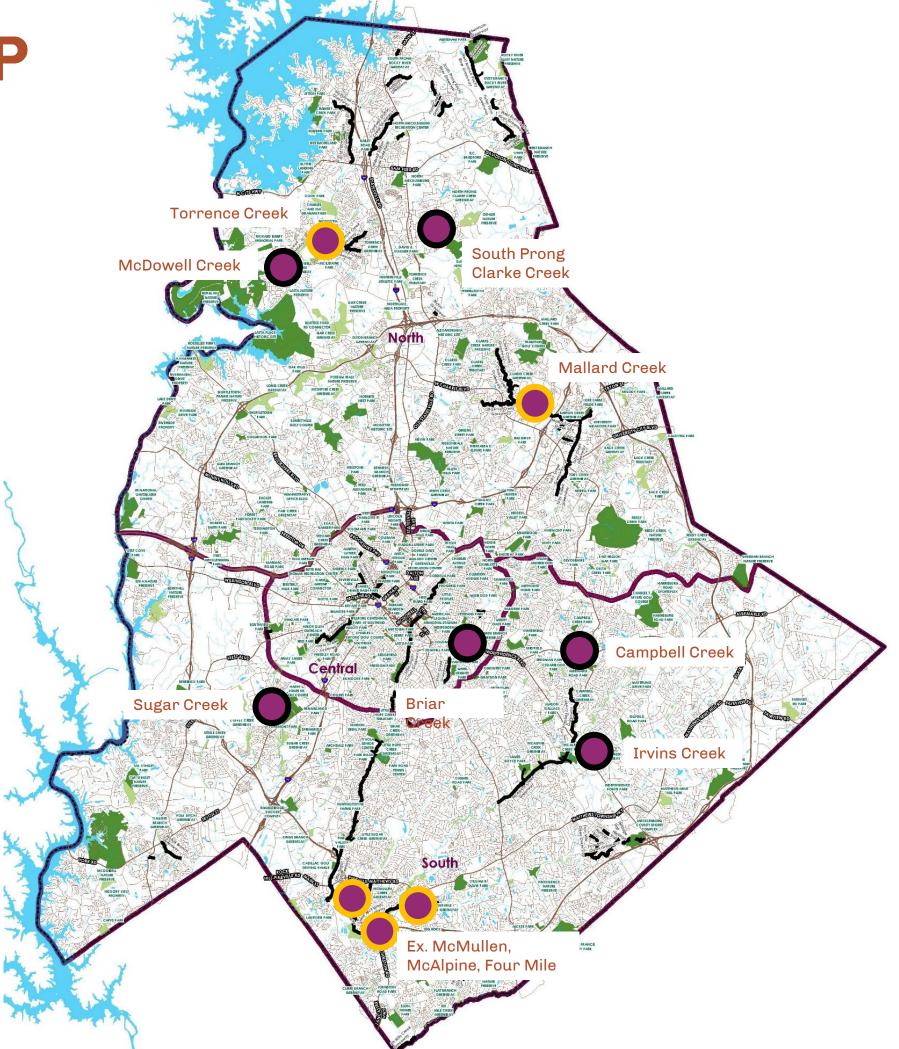
Parks and Nature Preserves
Reinvestment
Investment

### **Greenway Trails**

- Reinvestment
- Investment

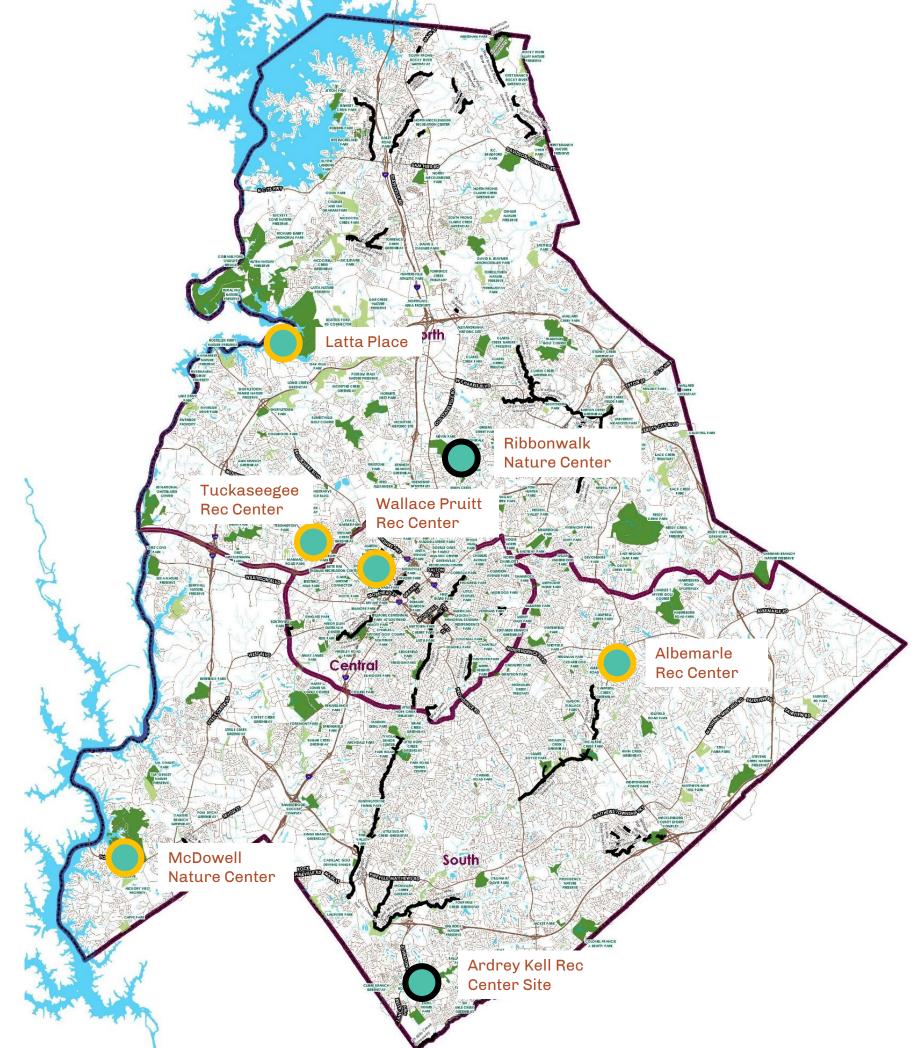
## Facilities

- Reinvestment
- Investment
- **Other Projects**
- Connections
- Park Amenities



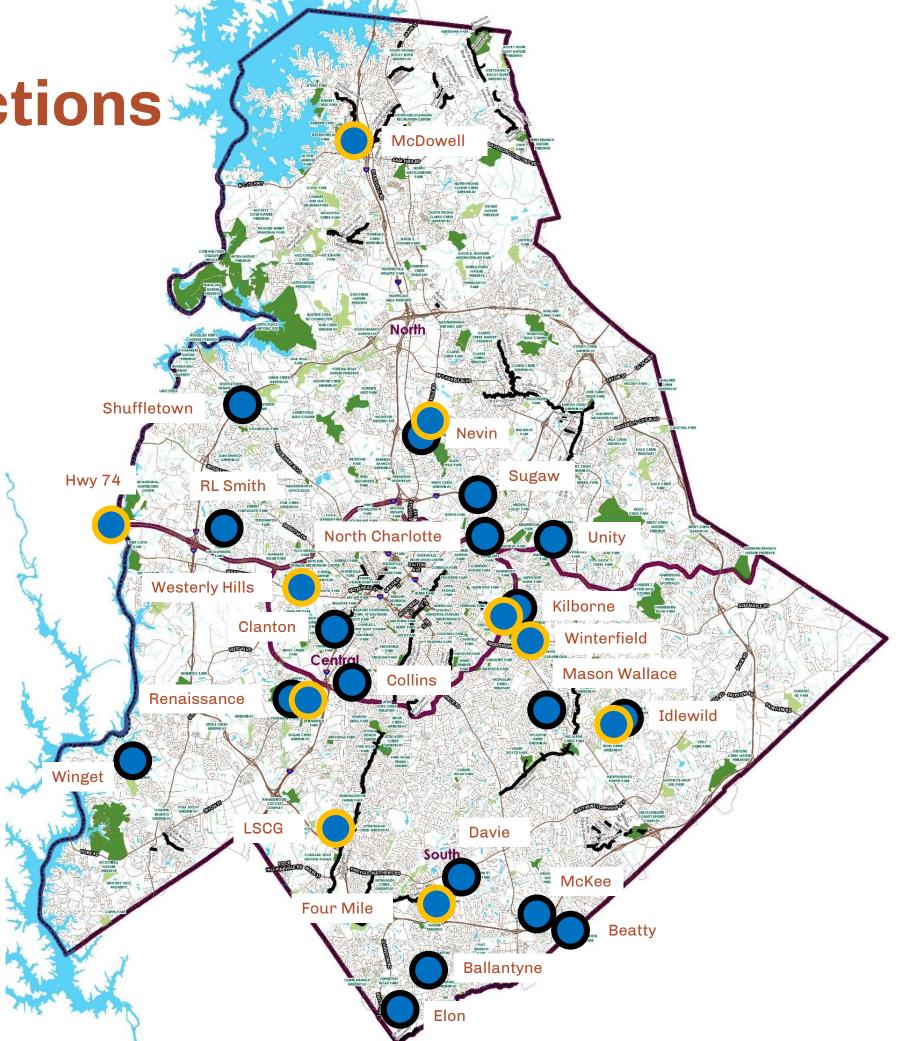
# **Priority 24-28 CIP Facility Projects**

Facilities Reinvestment Investment



# Priority FY 24-28 CIP Amenities and Connections

**Other Projects Connections Park Amenities** 



# Proposed FY 24-28 CIP 37 Projects

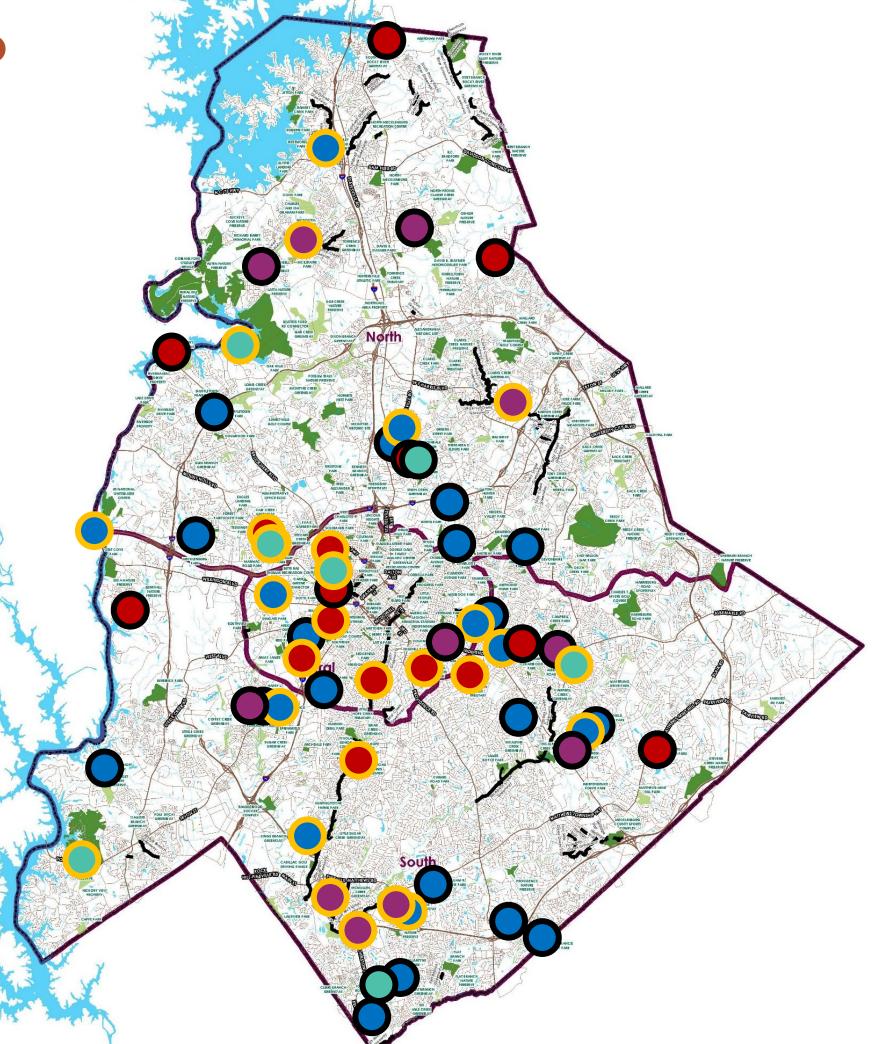
Parks and Nature Preserves (14)

Reinvestment



- Greenway Trails (11)
  - Reinvestment
- Investment
- Facilities (7)
  - Reinvestment
- **Investment**
- Other Projects (6)
- Connections
- Park Amenities

Includes 10M each year plus escalation for land acquisition beginning in FY 2025.



FY 24-28 Park and Recreation Capital Improvement Plan

# **FY24-28 CIP**

### www.PublicInput.com/24CIP



FY 2024	
Beaty Park - Davidson	\$1,211,014
Dredging- Park Road Park and Freedom Park	\$4,685,46
Eastfield Park	\$3,705,10
Eastland Park	\$12,345,68
Ezell Park	\$4,940,14
Latta Place	\$11,238,54
New Elementary School Recreation Center	\$7,311,12
Pressley Road Park	\$3,109,30
Sugar Creek Greenway- Yorkmont Road to McDowell Farms Drive	\$14,591,00
Wallace Pruitt Recreation Center	\$3,690,72
FY 2025	
10M Annual Land Purchases	\$48,153,26
Berryhill Nature Preserve	\$2,916,00
Briar Creek Greenway - Central Avenue to Monroe Road	\$11,327,24
Bryant Park	\$9,652,75
Dog Parks	\$1,656,97
McDowell Creek Greenway - Gilead Rd to Beatties Ford Rd/Pamela St	\$19,085,86
Pickleball Courts	\$18,877,53
Ribbonwalk Nature Center	\$11,781,06
Rozzelles Ferry Nature Preserve	\$7,457,33
Skate Parks	\$6,875,71
Spray Grounds	\$7,593,21
FY 2026	
Grier Heights Park	\$7,369,51
Martin Luther King Jr. Park	\$10,572,33
McAlpine Creek Greenway- Johnston Road to Carmel Road	\$9,732,98
McMullen Creek Gwy- Hwy 51 to McAlpine Creek Gwy/Carmel Rd	\$5,048,32
Park Access Improvement	\$17,690,32
South Prong Clarke Creek Greenway - N Church St to Asbury Chapel Rd	\$14,507,17
Tuckaseegee Park and Recreation Center	\$35,774,44
FY 2027	
Albemarle Road Recreation Center	\$22,768,16
Campbell Creek Greenway- Campbell Creek Park to Campbell Creek Greenway	\$26,276,92
Four Mile Creek Greenway- Bevington Place to Johnston Road	\$13,624,96
Irvins Creek Greenway- Lakeview Circle to McAlpine Creek Greenway	\$16,928,24
McDowell Nature Center and Nature Preserve	\$10,520,24
Oakhurst Park	\$2,493,15

FY 2024	
Beaty Park - Davidson	\$1,211,014
Dredging- Park Road Park and Freedom Park	\$4,685,461
Eastfield Park	\$3,705,104
Eastland Park	\$12,345,688
Ezell Park	\$4,940,143
Latta Place	\$11,238,547
New Elementary School Recreation Center	\$7,311,127
Pressley Road Park	\$3,109,307
Sugar Creek Greenway- Yorkmont Road to McDowell Farms Drive	\$14,591,007
Wallace Pruitt Recreation Center	\$3,690,729
FY 2025	
10M Annual Land Purchases	\$48,153,265
Berryhill Nature Preserve	\$2,916,006
Briar Creek Greenway - Central Avenue to Monroe Road	\$11,327,249
Bryant Park	\$9,652,755
Dog Parks	\$1,656,972
McDowell Creek Greenway - Gilead Rd to Beatties Ford Rd/Pamela St	\$19,085,860
Pickleball Courts	\$19,085,800
Ribbonwalk Nature Center	\$11,781,066
Rozzelles Ferry Nature Preserve	\$7,457,332
Skate Parks	\$6,875,719
Spray Grounds	\$7,593,218
FY 2026	
Grier Heights Park	\$7,369,511
Martin Luther King Jr. Park	\$10,572,339
McAlpine Creek Greenway- Johnston Road to Carmel Road	\$9,732,981
McMullen Creek Gwy- Hwy 51 to McAlpine Creek Gwy/Carmel Rd	\$5,048,323
Park Access Improvement	\$17,690,329
South Prong Clarke Creek Greenway - N Church St to Asbury Chapel Rd	\$14,507,178
Tuckaseegee Park and Recreation Center	\$35,774,444
FY 2027	
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	\$22,768,163
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Four Mile Creek Greenway- Bevington Place to Johnston Road	\$13,624,960
Irvins Creek Greenway- Lakeview Circle to McAlpine Creek Greenway	\$16,928,248
McDowell Nature Center and Nature Preserve	\$21,872,190
Oakhurst Park	\$2,493,152
Wilmore (Spruce Street) Park	\$893,357

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Oakhurst Park	\$2,493,152
Wilmore (Spruce Street) Park	\$893,357
EV 2020	

#### FY 2028

Mallard Creek Greenway - Mallard Creek Drive to David Taylo Torrence Creek Greenway - Cedar River Road to McDowell Cr

#### **Total Funding**

or Drive	\$11,044,980
reek Greenway	\$8,238,123
	a the second

# **Strategic Planning**

## FY 24-28 CIP Breakdown

- Commit to Equity
  - **65%** of projects within Priority Communities
  - **72%** of CIP Funding within Priority Communities
- Investment vs.
   Reinvestment
  - **57%** of CIP funding for Investment Projects
  - **43%** of CIP funding for Reinvestment Projects
- Project Types
- BOCC Districts

Project Types	# Projects	% Project	Budget	%Budget
Park/NP	13	35%	\$71,351,169	16%
Facility	7	19%	\$114,436,266	26%
Greenway	11	30%	\$150,405,833	34%
Amenities	4	11%	\$35,003,446	8%
Connections	1	3%	\$17,690,329	4%
Land	1	3%	\$48,153,265	11%
Total	37	100%	\$437,040,308	100%

<b>BOCC District</b>	# Projects	% Project	Budget	%Budget
1	7	19%	\$65,443,158	15%
2	9	24%	\$103,072,134	24%
3	2	5%	\$22,826,046	5%
4	5.5	15%	\$88,551,659	20%
5	5	14%	\$35,584,877	8%
6	2.5	7%	\$20,715,394	5%
Multiple/All	6	16%	\$100,847,040	23%
Total	37	100%	\$437,040,308	100%

# **Future Planning**

### **Feasibility Studies**

- **Capital Planning Feasibility Studies** 
  - **Past Studies** 
    - Irwin/Stewart/Sugar Creeks
    - Doby Creek
    - **Back Creek**
    - Campbell to Reedy Creeks Urban Trail
    - **Clarks Creek**
    - Four Mile Creek
    - **Steele Creek**
  - **Current Studies** 
    - The Seam Trail
    - Irwin Creek Crossing I-77 to West Charlotte
    - **Greenway Trail Design Standards**
  - **Future Studies** 
    - **TBD**

## **Future/Rolling CIP**

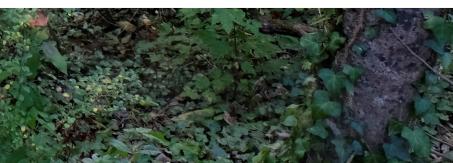


## Additional Greenway Trails **Additional Connections Projects**





# Land Acquisition



# Land Acquisition

### **Filling Gaps**

• Create land acquisition priorities that address gaps in underresourced communities and keep ahead of development.

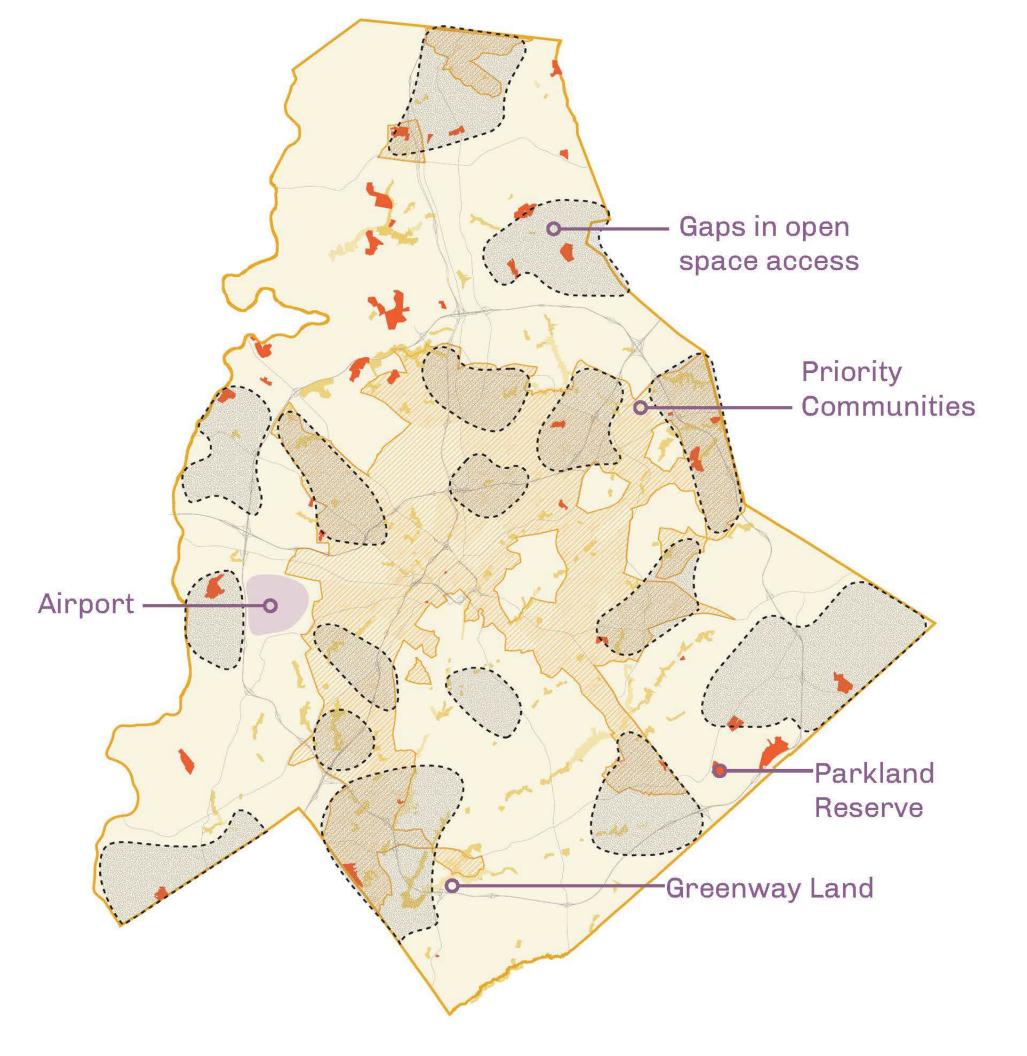
### **Accounting for Growth**

- Link existing parkland with other publicly accessible land.
- Explore parkland expansion through impact fees to balance open space acquisition with development.

### **Restoring and Protecting Ecology**

• Enhance the greenway network, designate new parkland reserves, and procure open space.

### Aligns with Environmental Stewardship Action Plan



# Land Acquisition

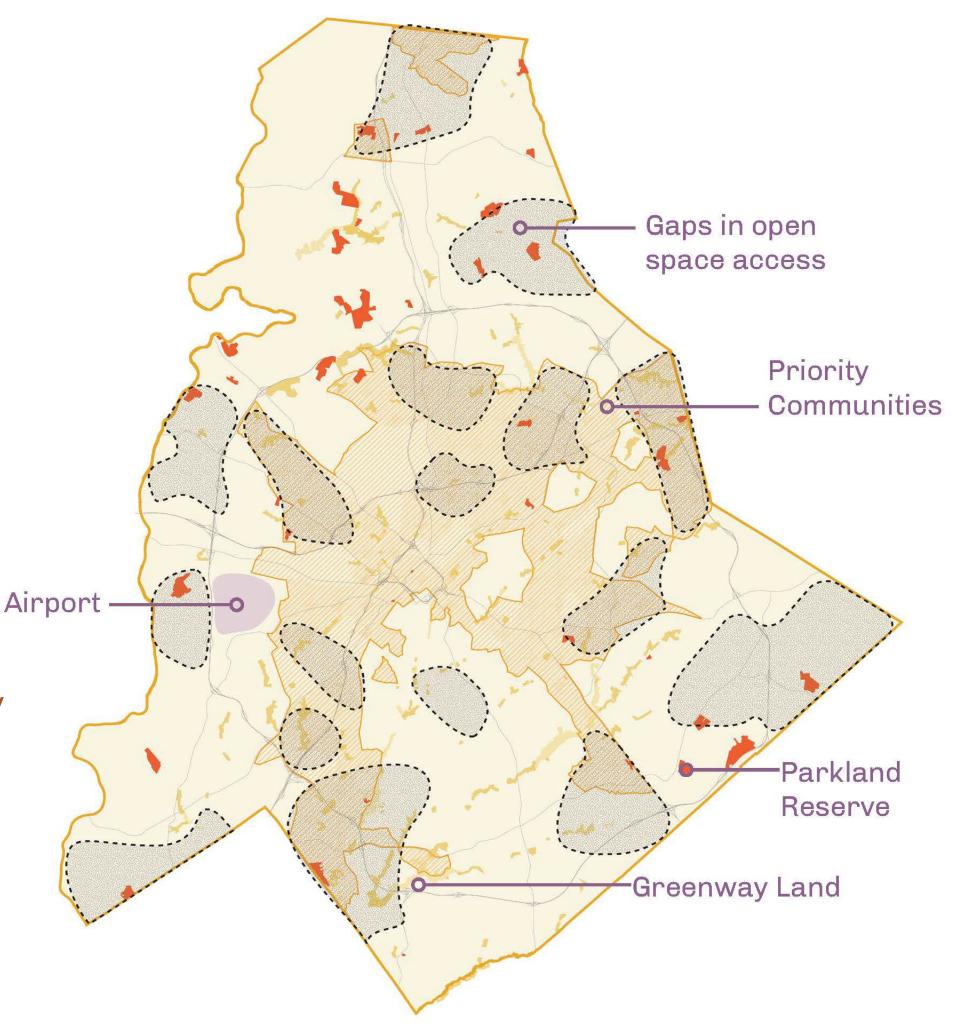
## **Equity Metrics**

## • Gap Areas

Physical gaps in service to park and recreation land and amenities

### Priority Communities

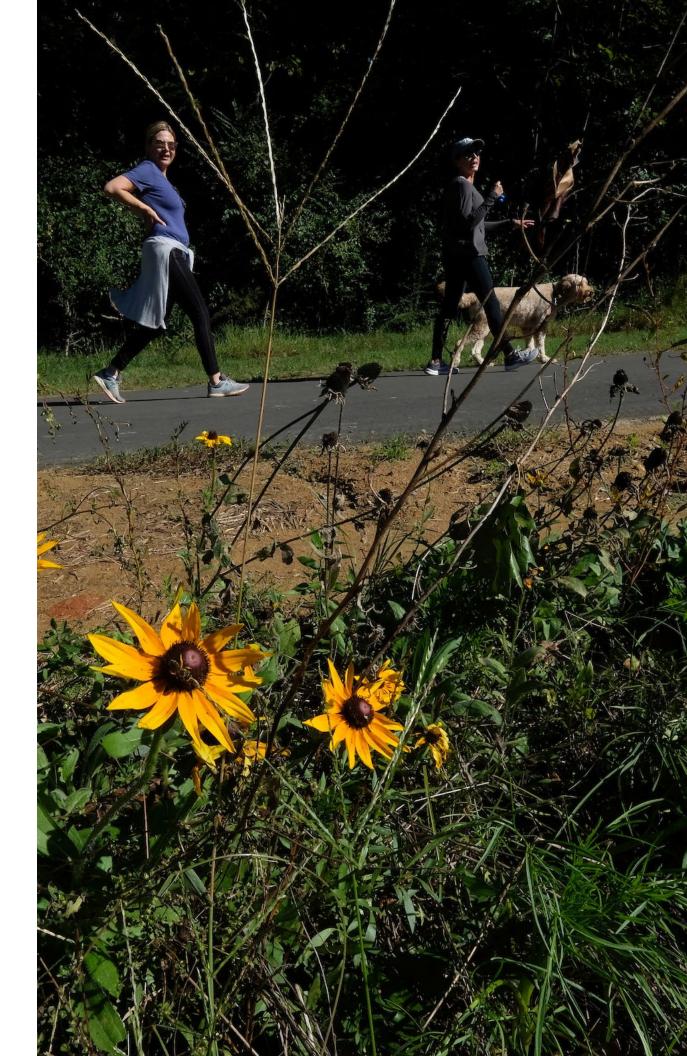
- Communities with above average rates of:
  - Youth under 18
  - Seniors over 65
  - Renters
  - Income below the poverty line
  - Limited access to a car
  - Communities of color
- Areas of the County where two or more criteria overlap



# **Development Coordination**

## **Typical Development Requests**

- Dedication for Future Greenway Trails
  - For all future trails on the greenway master plan
  - Preferred minimum 100' wide easements
  - Additional easement for access/connections
- Dedication for Neighborhood/Local Park
   Land
  - For developments over 20 acres
  - Minimum of 1 acre park land requests
- Access Trail connections to Park Property and Greenway Trails
  - For developments directly adjacent to park properties and greenway corridors





## **Park and Recreation**

Parkandrec.com

# **Existing Greenways and Greenway Master Plan**

https://parkandrec.mecknc.gov/Places-to-Visit/greenways

# **Park Explorer**

https://maps.mecklenburgcountync.gov/MecklenburgCountyParkExplorer/

# **Public Input Hub**

www.PublicInput.com/MeckParkRec



Mecklenburg County **Park and Recreation** 



# Contact

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