

ConnectColumbia



Columbia's Parks and Greenways Plan

Adopted by the City of Columbia: January 11, 2018

TABLE OF CONTENTS

Table of Contents

Introduction

PARKS AND GREENWAYS EXISTING CONDITIONS

Inventory of Existing Facilities and Programs

Review of Previous Parks and Recreation Master Plan

Current Level of Services

Needs Assessment Summary

Potential Greenway Destinations

Needs Assessment Maps (Based on current facilities)

Community Input Open House - Existing Conditions

PARKS AND GREENWAYS FUTURE CONDITIONS

Future Projections

Community Input Open House – Future Conditions

PLAN IMPLEMENTATION

General Improvement Considerations

Improvements to Existing Parks

New Park Areas and Facilities

New Greenway Improvements

Greenway Design Standards

Improvement Cost Evaluation

Recommendations for Department Staff

Community Center Comparison – Clayton, North Carolina

APPENDIX

PRORAGIS Community Comparisons

INTRODUCTION

The City of Columbia is poised to experience growth. Growth often comes to a community because of surrounding economic opportunities and an established quality of life for its residents. Parks and greenways are directly related to both establishing economic opportunity and maintaining a high quality of life in a community. The findings and recommendations of this Parks and Greenway Plan are only recommendations and should not be considered mandates. They are subject to change and revisions based on current needs and priorities as established by the City of Columbia and its leaders.

PARKS AND GREENWAYS EXISTING CONDITIONS

Inventory of Existing Facilities and Programs

The City of Columbia has many existing parks. These parks range in size from Community to Neighborhood and Mini Parks. It is important for the City of Columbia to provide a variety of park facilities, at different scales, that balance the different recreational needs of its residents. As the City of Columbia grows it will be important to recognize not only the need for bigger parks but also the need for additional smaller parks and a diversity of recreational programs. The following is a description of how parks are typically classified by the National Recreation and Park Association (NRPA), tailored to the City of Columbia's current park facilities and programs.

REGIONAL/DISTRICT PARKS OR SPECIAL USE FACILITIES

Regional Parks or Special Use Facilities serve the needs of multiple communities and are typically 50 to 100 acres in size. Examples of Regional Parks include, but are not limited to: state parks, county parks, and protected natural areas. Examples of Special Use Facilities include golf courses, botanical gardens, museums, outdoor entertainment venues and unique sporting event facilities. Regional Parks and Special Use Facilities should also provide additional support services such as restrooms, concessions, and adequate parking. Typical activities for Regional Parks and/or Special Use Facilities include picnicking, boating, observing wildlife and walking greenway trails, and in some cases camping.

COMMUNITY PARK

Community Parks serve multiple neighborhoods in the surrounding community with both active and passive recreational activities and will typically include park programs that include extended hours of both day and night-time operation. Large areas of a community park may be programmed for athletic facilities designed for league play. Large areas of a community park may also be designated for conservation, passive recreational use and nature trails if natural resource assessments warrant it.

- They will connect to surrounding neighborhoods within walking distance and will also draw users who will drive to gain access to the park. Greenway connections, bike routes and street and sidewalk networks should provide access to Community Parks.
- Fitness centers, community centers and athletic sports facilities may be integrated into community level parks if adequate park area, good access and parking accommodations are available.
- Restroom facilities, concessions and off street parking areas are important park elements to accommodate a large number of visitors who will spend significant time at the park. Some Community Parks will have specialized facilities that will serve the larger district and or regional area.
- Park Size: Typically 25 - 75+ acres serving an entire community (15,000+ residents)
- Service Area: Typically 1.5 to 2.0 miles
 - Service areas for Community - District Parks with specialized facilities may extend much further.

NEIGHBORHOOD PARK

Neighborhood parks concentrate several recreational activities into a smaller area. They are designed to serve the active and passive recreational needs of the surrounding neighborhood. They typically have sports fields, playgrounds, picnic areas, open space and walking trails for unorganized play or local sports organizations. Neighborhood parks should promote partnerships with surrounding neighborhoods and homeowners associations to help facilitate park activities and maintenance when possible.

- They will primarily connect to surrounding neighborhoods within walking distance and easy bicycle or driving distance. Bike routes, sidewalks and local street networks should provide access to Neighborhood Parks. If greenway routes extend through a neighborhood they should also connect to Neighborhood Parks.
- Community centers, picnic shelters, restroom facilities and off street parking areas are park elements that may fit in the Neighborhood Park plan.
- Park Size: Typically 1 - 25+ acres serving 1,000 to 20,000 residents
- Service Area: Typically 1.0 mile

MINI-PARKS

Mini-Parks are characterized by their small size and their connections to immediate surroundings. Because Mini-Parks are so closely connected to their surrounding context they will be designed to accommodate specific local needs. Size limitations will typically generate a mixture of passive, visual and small scaled active recreational use. Mini-Parks should promote partnerships with surrounding neighborhoods and businesses to help facilitate park activities and maintenance when possible.

- Mini-Parks will primarily connect to surrounding neighborhoods or land use through pedestrian and bicycle access. They can be incorporated into a high intensity land use serving as a focal point for the community. In this case, access may be planned as part of adjoining parking and regional transportation accommodations.
- Spaces for social interaction, rest and relaxation are typically planned into Mini-Park space. Small scaled playgrounds or interactive games can provide opportunities for activity. Strong visual elements and public art elements can fit well into this scale of space.
- Park Size: Typically 1/3 acre - 1 acre, serving 300 to 1,000 residents, surrounding homes or businesses. If a Mini-Park is designed to function in a high intensity area it may serve a much higher number of people with the intent of moving people quickly through the park.
- Service Area: Typically ¼ to ½ mile

CURRENT PROGRAMS AND SPECIAL EVENTS

The City of Columbia Parks and Recreation Department works hard to provide the citizens of Columbia with a variety of exciting and engaging programming for all ages, along with numerous special events throughout the year. Programs currently offered through the Parks and Recreation Department include:

- Movies and Concerts in the Park
- Dance Craze - Line Dancing
- Youth Basketball City League
- Twisters (55 and older) Exercise Program
- Adult Co-ed Kickball League
- Adult Recreational Volleyball
- Youth and Adult Gym Time
- Youth Summer Swimming Lessons
- Pre-School Soccer Program
- Pre-School Basketball Program
- Youth Afterschool Clubs
- Youth Summer and School Break Programs
- Youth Summer Playground Program
- Adult Co-ed Volleyball League
- Back to School Bash
- Easter Egg Hunt
- Family Mardi Gras Party
- Family Hay Ride
- Fitness Equipment Orientations
- Tennessee Shapes Up Cooking Class
- Spring Kite Fly
- Fun with Santa and Candyland

CURRENT PARK STAFF AND VOLUNTEERS

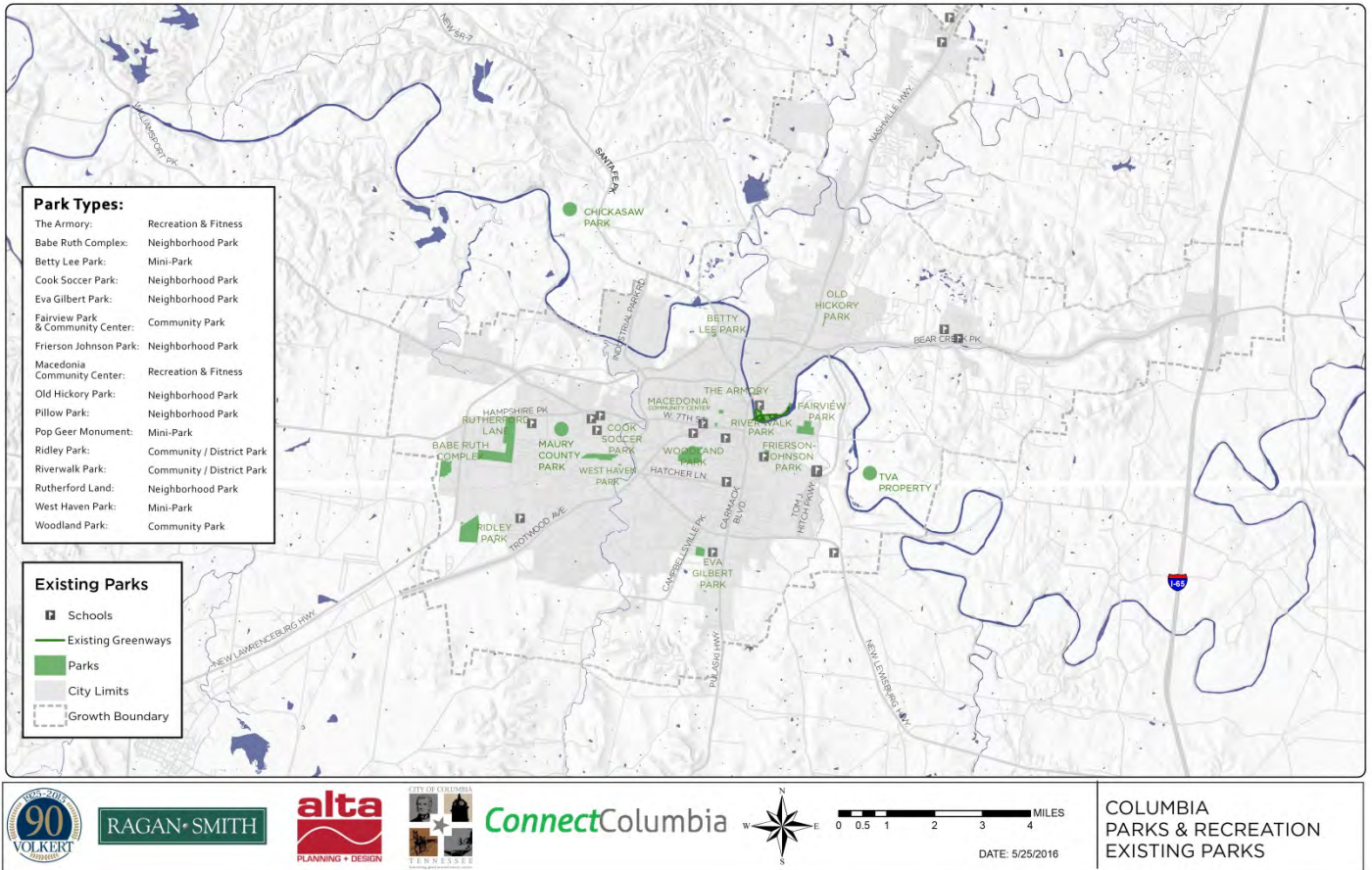
The City of Columbia Parks and Recreation Department administrative, recreation, and maintenance staff has worked hard to provide the citizens of Columbia with thoughtfully maintained and programmed parks. As Columbia continues to grow and require additional recreation programs, it will be important that the staff continues to grow as well to prevent the department from becoming overwhelmed and understaffed. The City of Columbia Parks and Recreation Department Staff currently includes:

- A Parks and Recreation Director
- A Parks and Recreation Assistant Director
- A Program / Recreation Manager
- 2 (Two) Administrative Assistants
- 10 (Ten) Additional Full Time Support Staff
- 14 (Fourteen) Part Time Support Staff

Volunteer contribution is currently limited due to the large number of community events, outside of the park and recreation programs, that demand a high degree of volunteer effort such as Mule Day, the Mid-State Softball Classic, and the Farmers Market.

Insert 11x17 page for Map #1

MAP #1 COLUMBIA PARKS & RECREATION - EXISTING PARKS



Insert 11x17 page for Table 1

NAME	LOCATION	PARK TYPE	ACREAGE	FITNESS CENTER	PLAYGROUND	PICNIC PAVILLION OR SHELTER	OPEN SPACE	WALKING PATH/TRAIL	BASKETBALL COURT (OUTDOOR)	BASKETBALL COURT/ GYM (INDOOR)	HORSESHOE PITS	POOL	SOCCER FIELDS	WATER FEATURE/POND	GREENWAY TRIAL/HEAD	BASEBALL FIELD	SOFTBALL FIELD	TENNIS COURTS	YOUTH BASEBALL FIELD	FOOTBALL FIELD	DISC GOLF	SPLASH PAD	MEETING SPACE	GAME ROOM	VOLLEYBALL	KITCHEN	CONCESSION STAND	HISTORICAL MARKER/MONUMENT	BOAT RAMP	COMMUNITY EVENT PAVILLION	AMPHITHEATER	ARTS & CRAFTS	RESTROOMS	
Armory Recreation & Fitness Center	503 Carter St.	Rec & Fitness	3	x					x														x	x									x	
Fairview Rec Center/Pool/ Baseball Fields/Park	871 Iron Bridge Rd.	Rec & Fitness / Neighborhood	30		x	x		x				x				x	x	x			x		x	x	x								x	
Macedonia Recreation Center	501 Armstrong St.	Rec & Fitness	3							x													x										x	
Cook Soccer Fields	710 Experimental Station Ln.	Neighborhood	38			x							x																					
Eva Gilbert Park/Football & Softball Fields	120 Cord St.	Neighborhood	14		x	x											x																	
Mahlon Ring Babe Ruth Baseball Field	2206 Oakland Pkwy.	Neighborhood	30														x																	
Ridley Sport Complex Park	6148 Trotwood	Comm/District	78		x												x	x			x						x							
Rutherford Lane Practice Fields	Rutherford Lane Dr.	Neighborhood	126										x				x	x																
Betty Lee Park	Dr.	Mini	3		x																													
Frierson-Johnson Park	St.	Neighborhood	2		x	x			x																									
Greenwood Cemetery	Corner of N. Garden St. & 4th St.	Historical	na																															
Old Hickory Park	Jackson Heights Dr. & Park Mere Dr.	Mini	3					x																										
Pop Geers Memorial Park	606-610 West 7th St.	Mini	1																															
Riverwalk Park	Riverside Dr. & 5th St.	Comm/District	29			x		x	x					x								x												x
West Haven Park	Experiment Station Ln. & Hilltop Dr.	Historical	1					x																										
Woodland Park	821 West 9th St.	Community	60		x	x		x						x							x			x									x	x

TABLE 1 COLUMBIA PARKS - EXISTING FACILITIES INVENTORY

Review of Previous Parks and Recreation Master Plan

A Parks and Recreation Final Master Plan was adopted in May of 1999.

Highlights from the 1999 plan related to current conditions are as follows:

- The addition of youth baseball and softball fields was recommended. There has been great improvement in meeting this need with the addition of high quality softball facilities at Ridley Park. There is still a need for additional youth baseball facilities that can accommodate little league tournament play.
- The population and economic growth forecast in the 1999 plan did not anticipate the limited growth that occurred due to the impact of an economic recession in the first decade of the new millennium. This recession has since ended and population, along with economic growth is increasing. Columbia is currently growing as a working age population with young families. The previous plan calls for an increase in the diversity of recreational activities to meet both the young and older segments of the population. This recommendation still applies.
- The previous plan recommended reorganizing the Parks and Recreation staff into two separate deputy director positions. One to serve the park and recreational operations and maintenance needs and one to serve the athletic and special events programs. Both deputy director positions could be served by the same administrative assistant. This recommendation still applies. Especially with the increased number of league and special events the department will host in the coming years.

Current Level of Service

Using NRPA standards as an assessment of the current level of service can be made. This is a helpful snapshot of areas of strength and weakness as it relates to physical facilities. Census data was utilized from the 2014 census estimates with a population figure of 36,071. (See Table 1 - Existing Parks and Recreation Facilities). It is important to note that the City of Columbia park facilities also serves some Maury County residents who are not included in city census population figures. The current population estimate for Maury County as of July of 2015 is 87,757 (US Census Bureau data).

An additional assessment of service needs will be done using the NRPA - Parks and Recreation Operating Ratio and Geographic Information System (PRORAGIS) data. This evaluation will be done to allow Columbia to compare its park and recreation facilities, programs and expenditures to communities of similar population size. The PRORAGIS data is provided in the Appendix of this report.

TABLE 2 EXISTING PARKS AND RECREATION FACILITIES ASSESSMENT (USING GENERAL NRPA STANDARDS)

FACILITY	NRPA STANDARDS (MODIFIED FROM EXISTING MASTER PLAN – 1999)	RECOMMENDED (ROUNDED TO WHOLE #)	CURRENTLY PROVIDED	DIFFERENCE
Overall Acreage	10.5 acre / 1,000 people	379	390	+11
Outdoor Basketball	1/5,000 people	8	3	-5
Handball	1/20,000 people	0	2	+2
* Tennis	1/2,000 people	8	18	+10
Volleyball	1/5,000 people	7	2	-5
** Baseball	1/5,000 people	7	14	+7
** Softball	1/5,000 people	7	13	+6
Football	1/20,000 people	2	3	+1
** Soccer	1/4,000 people	9	11	+2
Disc Golf	1/50,000 people	1	1	0
Golf / Driving Range	1/50,000 people	1	1	0
*** Trail System	1 mile / 5,000 people	7	1	-6
Outdoor Pool / Splash Pad	1/ 20,000 people	2	2	0
**** Indoor Pool	1/50,0000 people	1	1	0
In-line skating rink	1/25,000 people	1	0	-1
Roller Hockey Facility	1/25,000 people	1	0	-1
Skate Park	1/25,000 people	1	0	-1
Running Track	1/20,000 people	2	0	-2
Playgrounds	1/2,500 people	14	8	-6
Gymnasiums	1/20,000 people	2	2	0
Community Center	1/ 50,000 people	1	3	+2

* There are several tennis courts available with local educational facilities

** Baseball, softball and soccer facility standards do not account for regional leagues

*** Trails and greenways increase value to all connected park facilities

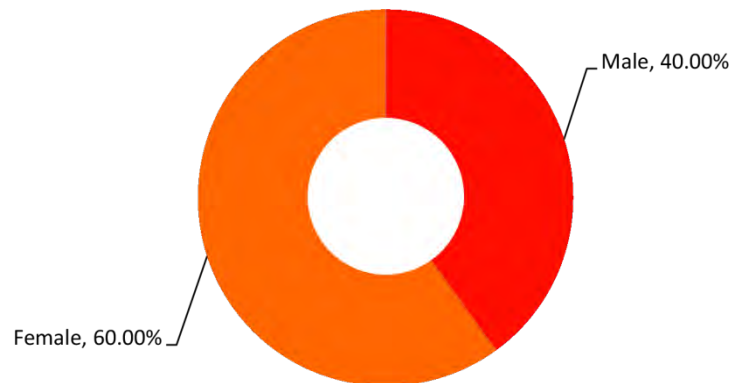
Needs Assessment Summary (Based on Current Facilities)

A recent Needs Assessment Survey was conducted by the City of Columbia in the Spring of 2016. This needs assessment was designed to evaluate some of the current needs of the citizens of Columbia of as it relates to the services and facilities offered by the Parks and Recreation Department. The assessment was conducted online in the form of a survey and posted via the City's social media outlets and directly emailed to several community groups. During the period this assessment was available 318 submissions were received. The survey findings are provided here for additional insight into specific areas of need that the Parks and Recreation Department may have relative to existing facilities, programs and service.

DEMOGRAPHICS

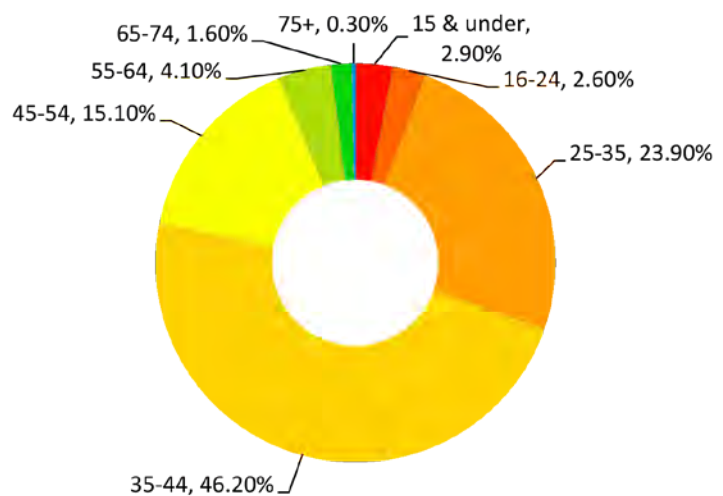
Gender Distribution:

Male: 124 (40%)
Female: 186 (60%)



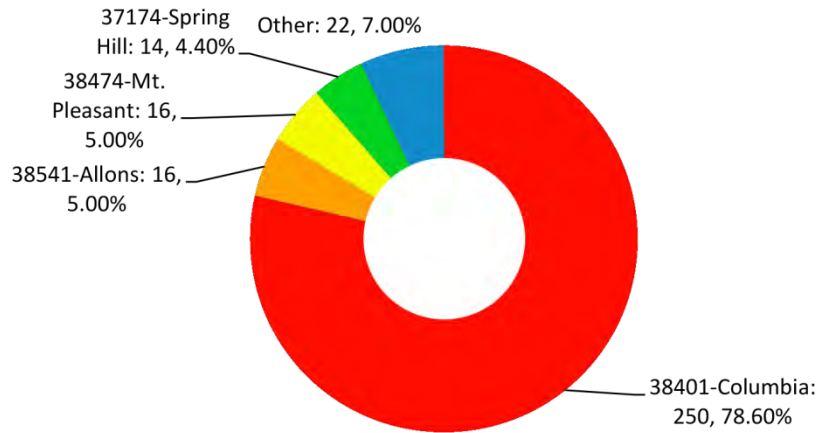
Age Distribution:

15 and Under: 9 (2.9%)
16-24: 8 (2.6%)
25-34: 76 (23.9%)
35-44: 147 (46.2%)
45-54: 48 (15.1%)
55-64: 13 (4.1%)
65-74: 5 (1.6%)
75+: 1 (0.3%)



Zip Code Location:

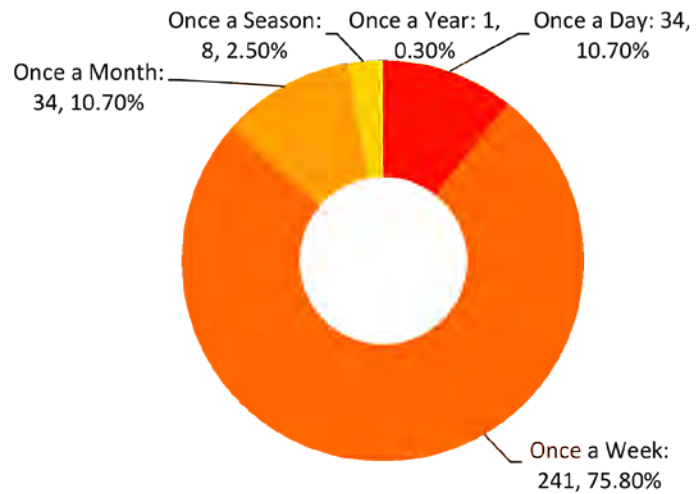
38401-Columbia: 250 (78.6%)
 38541-Allons: 16 (5%)
 38474-Mt. Pleasant: 16 (5%)
 37174-Spring Hill: 14 (4.4%)
 Other: 22 (7%)



USE OF PARKS AND RECREATIONAL FACILITIES

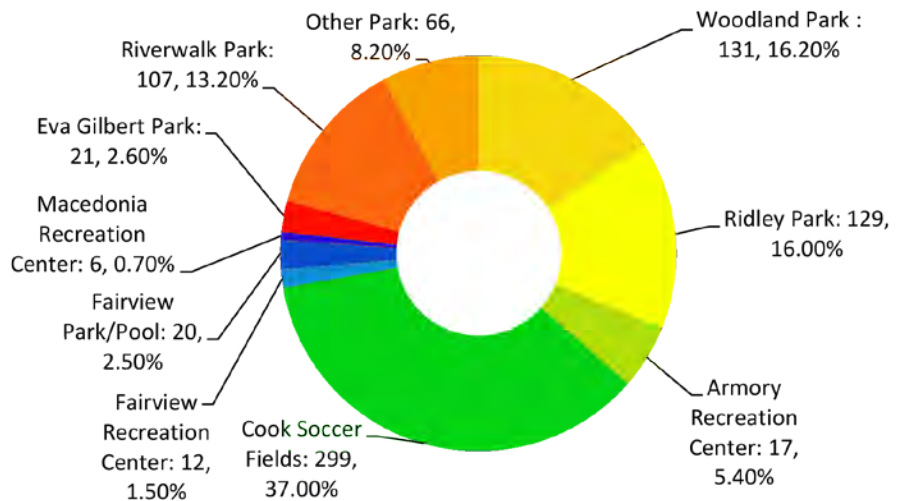
How often do you visit one of our parks or recreation centers?

Once a Day: 34 (10.7%)
 Once a Week: 241 (75.8%)
 Once a Month: 34 (10.7%)
 Once a Season: 8 (2.5%)
 Once a Year: 1 (0.3%)



Which park or recreation center does you or your family visit regularly?

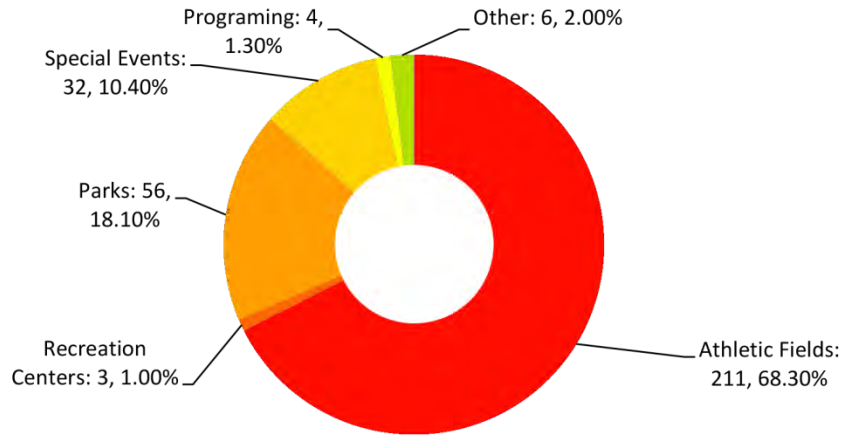
Woodland Park: 131 (16.2%)
 Ridley Park: 129 (16.0%)
 Armory Recreation Center: 17 (5.4%)
 Cook Soccer Fields: 299 (37.0%)
 Fairview Recreation Center: 12 (1.5%)
 Fairview Park/Pool: 20 (2.5%)
 Macedonia Recreation Center: 6 (0.7%)
 Eva Gilbert Park: 21 (2.6%)
 Riverwalk Park: 107 (13.2%)
 Other Park: 66 (8.2%)



PARKS AND RECREATION SERVICES

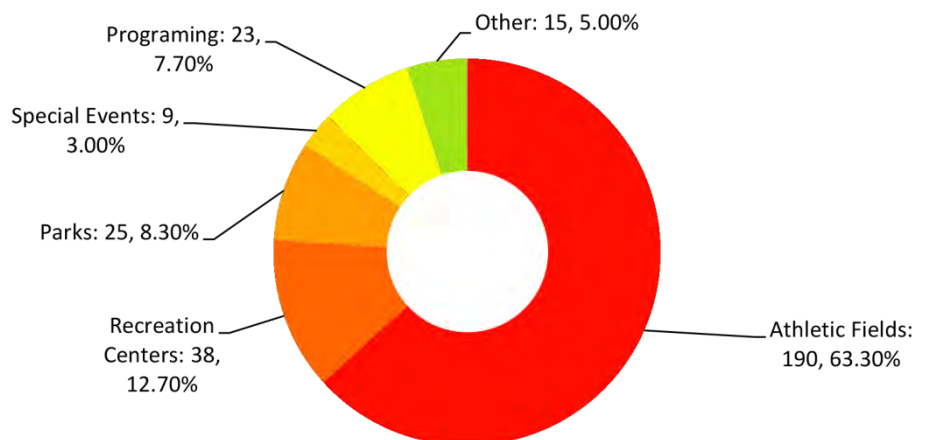
In your experience what do you feel is the highest quality of service offered by the Parks and Recreation Department?

Athletic Fields (Ridley Park, Cook Soccer Fields, etc.): 211 (68.3%)
 Recreation Centers (Armory, Fairview, and Macedonia): 3 (1%)
 Parks (Woodland, Fairview, Riverwalk): 56 (18.1%)
 Special Events (Midstate Classic, BBQ Cook-off): 32 (10.4%)
 Programming (Family Mardi Gras, Hayride, etc.): 4 (1.3%)
 Other (Rentals): 6 (2%)



In your experience which service offered by the Parks and Recreation Department would you like to see grow?

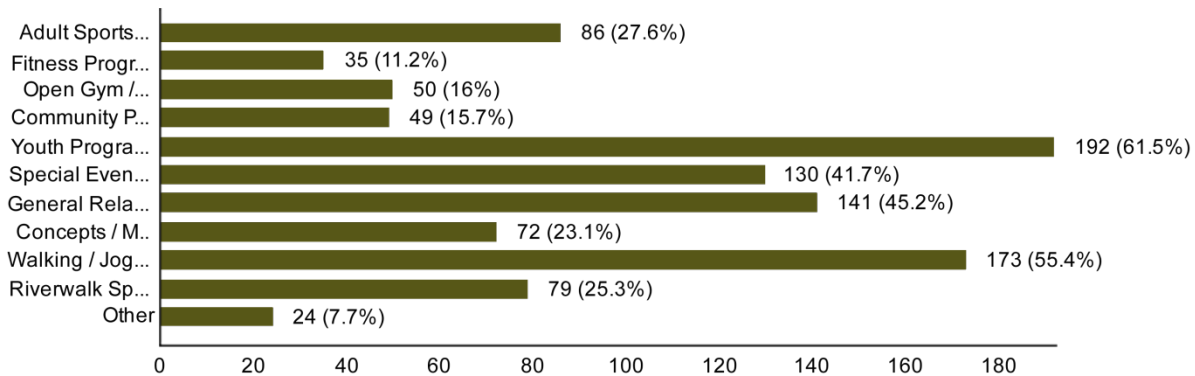
Athletic Fields (Ridley Park, Cook Soccer Fields, etc.): 190 (63.3%)
 Recreation Centers (Armory, Fairview, and Macedonia): 38 (12.7%)
 Parks (Woodland, Fairview, Riverwalk): 25 (8.3%)
 Special Events (Midstate Classic, BBQ Cook-off): 9 (3.0%)
 Programming (Family Mardi Gras, Hayride, etc.): 23 (7.7%)
 Other (Rentals): 15 (5.0%)



PARTICIPATION IN RECREATIONAL AND PROGRAMMING ACTIVITIES

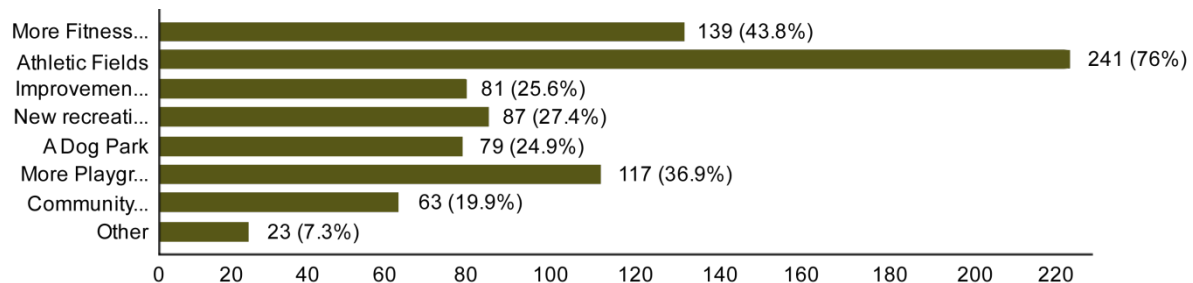
What types of recreational activities or program do you attend or participate in?

Adult Sports Leagues / Tournaments (Kickball, Baseball, Volleyball): 86 (27.6%)
 Fitness Programs (Twisters, Walk for the Health of It, etc.): 35 (11.2%)
 Open Gym / Court Sports (Basketball, Tennis, Volleyball): 50 (16%)
 Community Programming (Cooking Class, Youth Swim Lessons, etc.): 49 (15.7%)
 Youth Programming (Youth Basketball League, Family Hayride, Summer Playground, etc.): 192 (61.5%)
 Special Events (Midstate Classic, Muletown Barbecue Cook Off, Holiday Lights in the Parks, etc.): 130 (41.7%)
 General Relaxation / Leisure (Lunch at a Shelter, etc.): 141 (45.2%)
 Concerts / Movies in the Parks: 72 (23.1%)
 Walking / Jogging / Biking: 173 (55.4%)
 Riverwalk Splash Pad: 79 (25.3%)
 Other: 24 (7.7%)



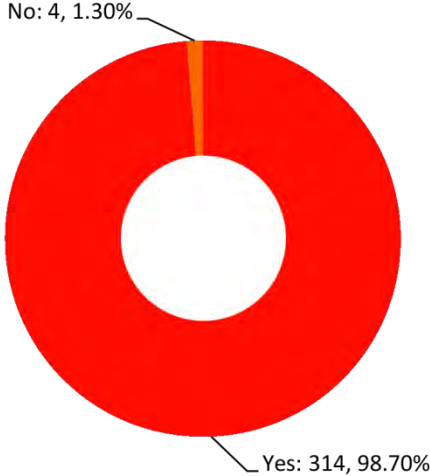
What future developments or additions would you like to see made to our parks and or recreation centers?

More Fitness Trail(s) (Walking, Jogging, etc.): 139 (43.8%)
 Athletic Fields: 241 (76.0%)
 Improvements to our recreation centers: 81 (25.6%)
 New recreation center: 87 (27.4%)
 A dog park: 79 (24.9%)
 More playgrounds: 117 (36.9%)
 Community gardens: 63 (19.9%)
 Other: 23 (7.3%)

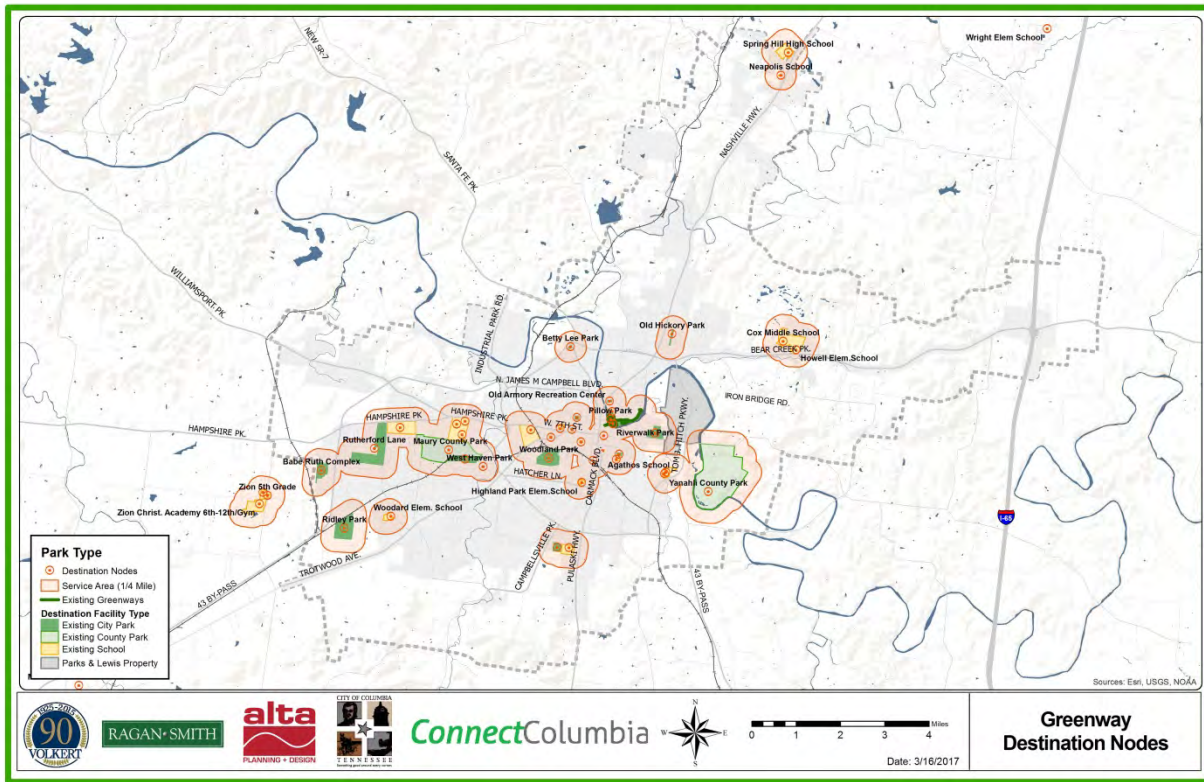


Would you be in support of utilizing state or federal grant funds to further develop and add to the parks systems?

Yes: 314 (98.7%)
No: 4 (1.3%)



Potential Greenway Destinations



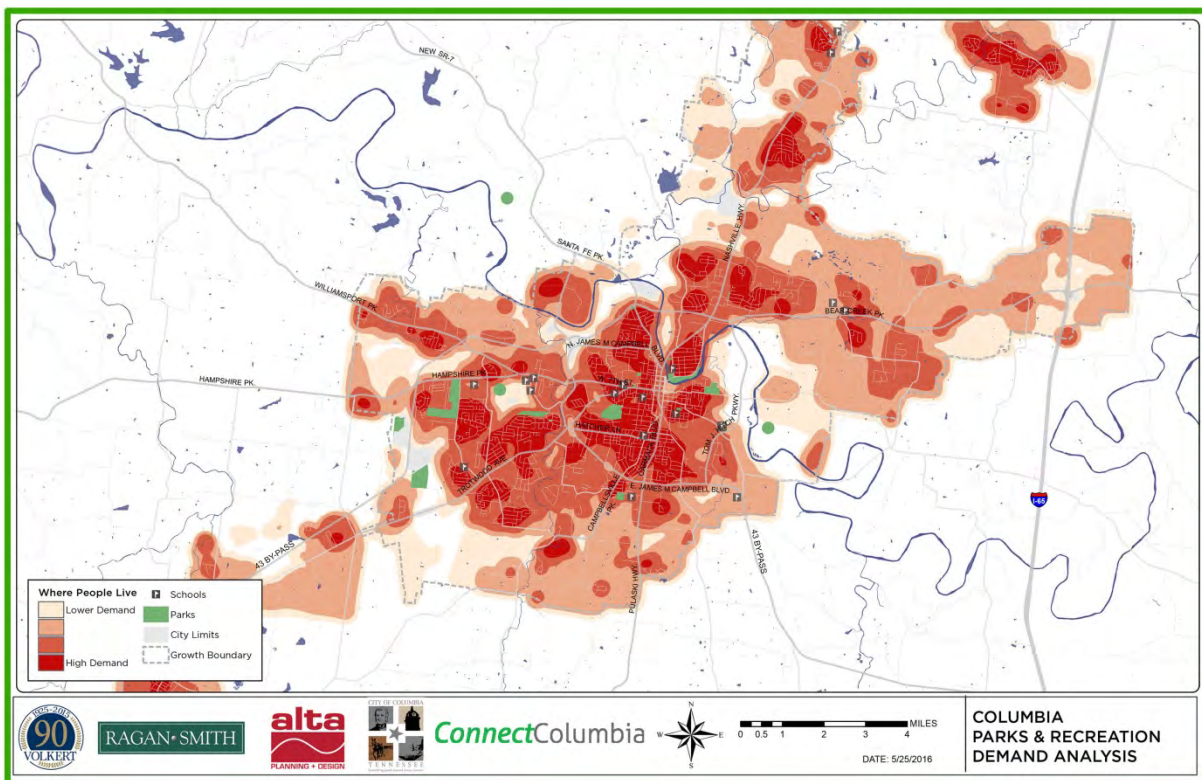
This map identifies existing park facilities, prominent public spaces, and locations of school at all levels, from elementary schools to Columbia State as potential destination points for greenway and multi-use trail routes. These destination points were assigned the quarter-mile standard, or five minute walk service area. When using the quarter-mile standard, the service area coverage for destination points reduces significantly. Areas around downtown and to the west near Columbia State have significant coverage. However, large portions of the city, especially to the south and northeast of downtown lack the ability to reasonably travel to parks.

Needs Assessment Maps (Based on current facilities)

DEMAND MODEL

The demand model identifies projected activity by analyzing spatial and tabular data from the City of Columbia and the U.S. Census Bureau. The model classifies the locations where people live, work, play, and learn into a composite map identifying where the greatest demand for parks and recreation facilities are located and what areas are being underserved by the park system.

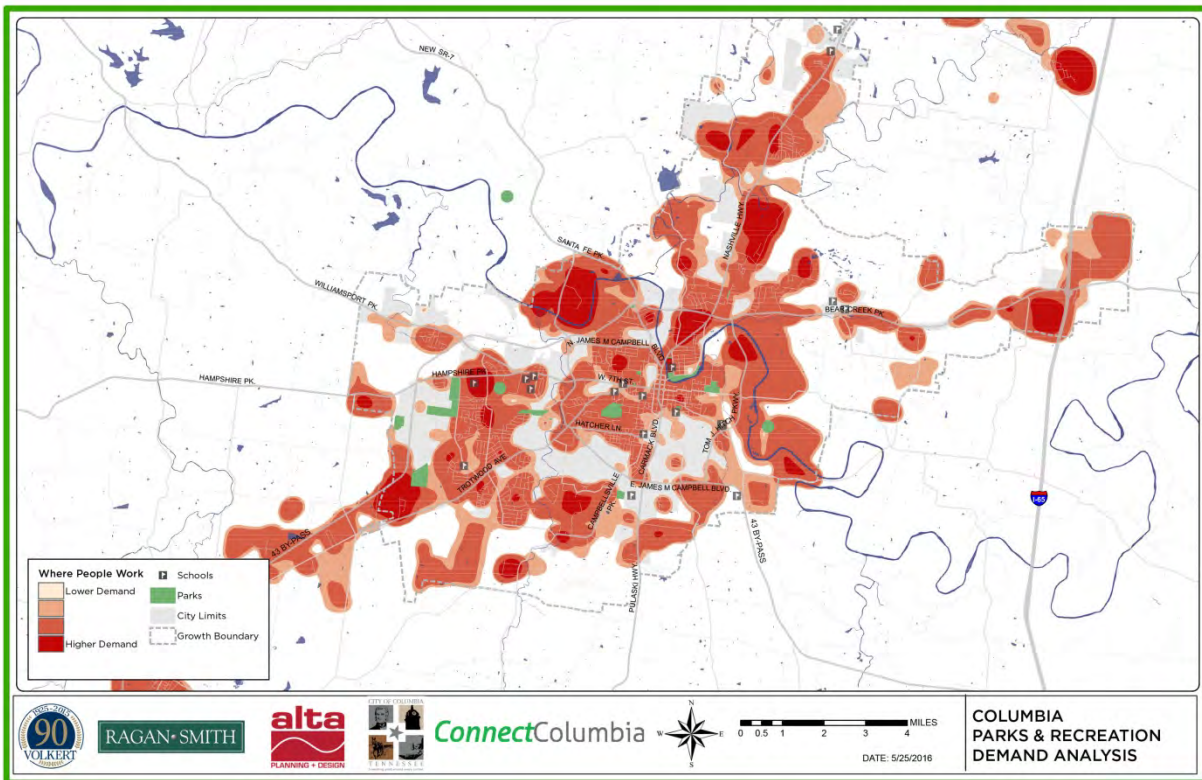
Where People Live



This map utilized 2014 census data to show block level population density. Locations of higher density represent probable locations for more trip origins. The areas with the highest population densities are located within the James Campbell Corridor and along the Nashville Highway Corridor.

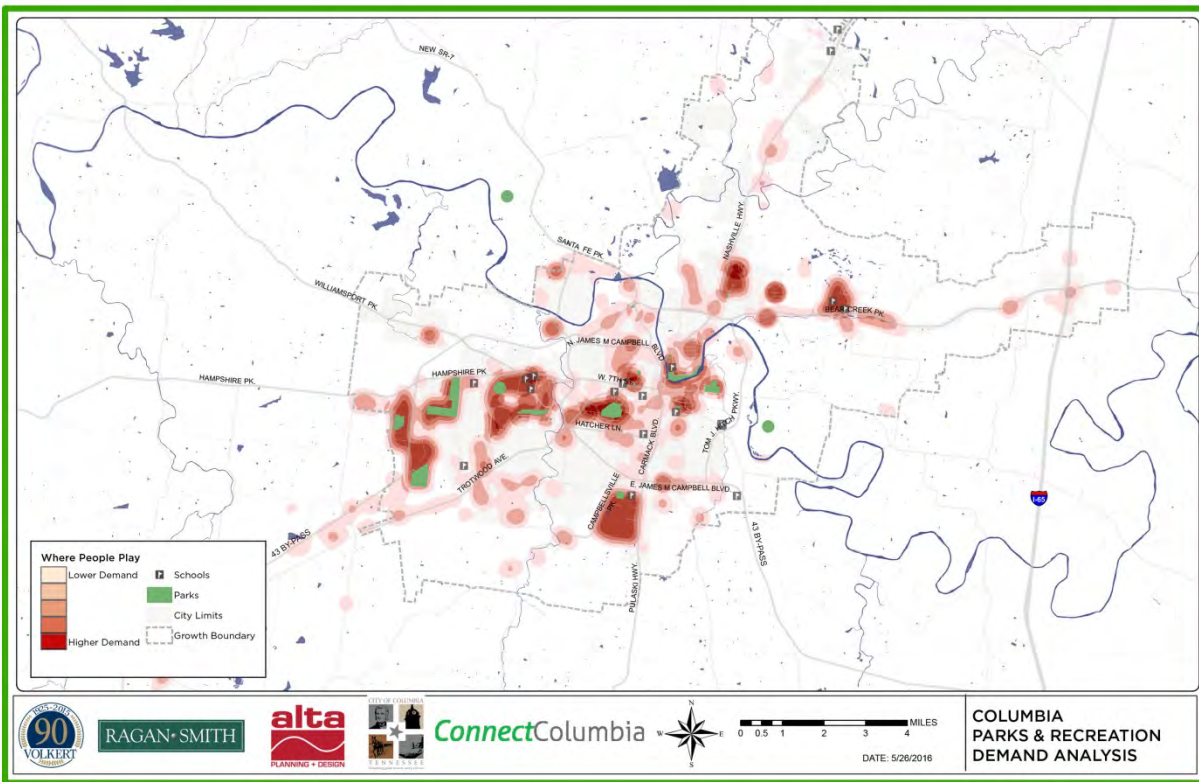
As for all maps, the areas shaded more deeply in red represent higher demand areas relative to the areas of lightly shaded red.

Where People Work



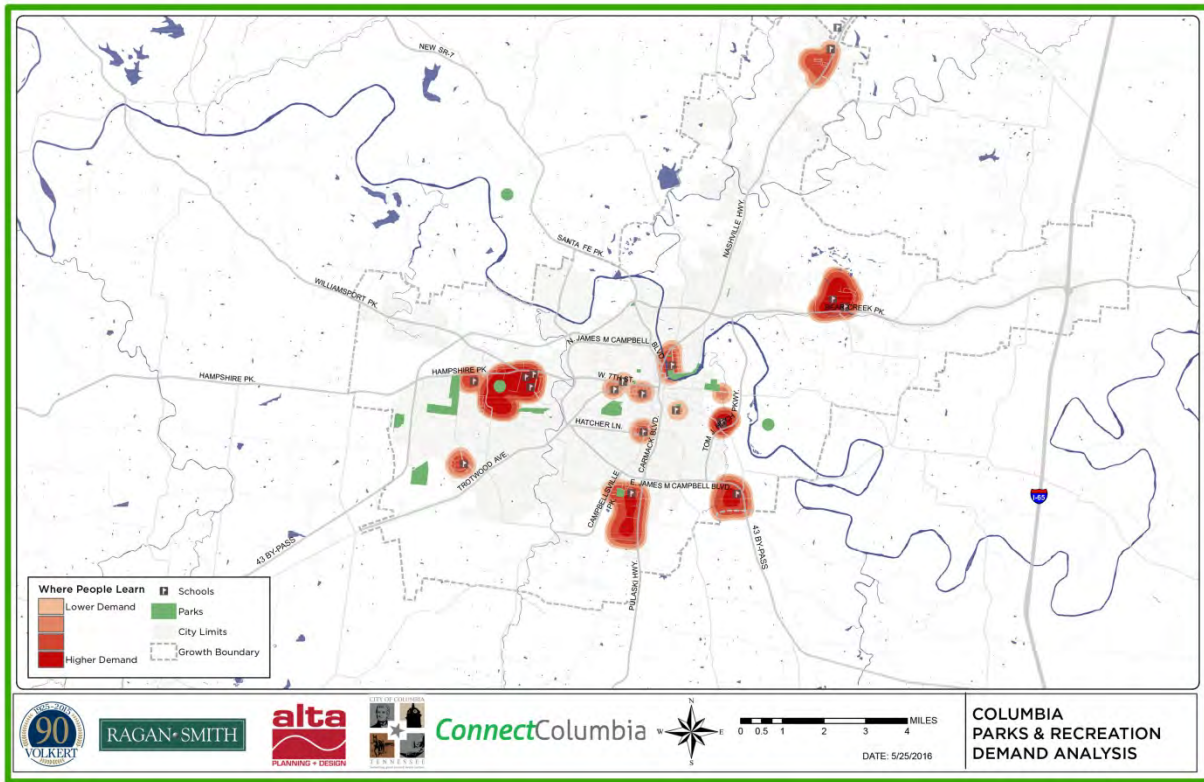
This map uses origin destination employment statistics data to show trip ends for people working in Columbia and Maury County regardless of residency. Areas with highest employment density are along the Nashville Highway, Industrial Park Road, The Trotwood Road corridor and Bear Creek Pike corridor especially at Interstate 65.

Where People Play



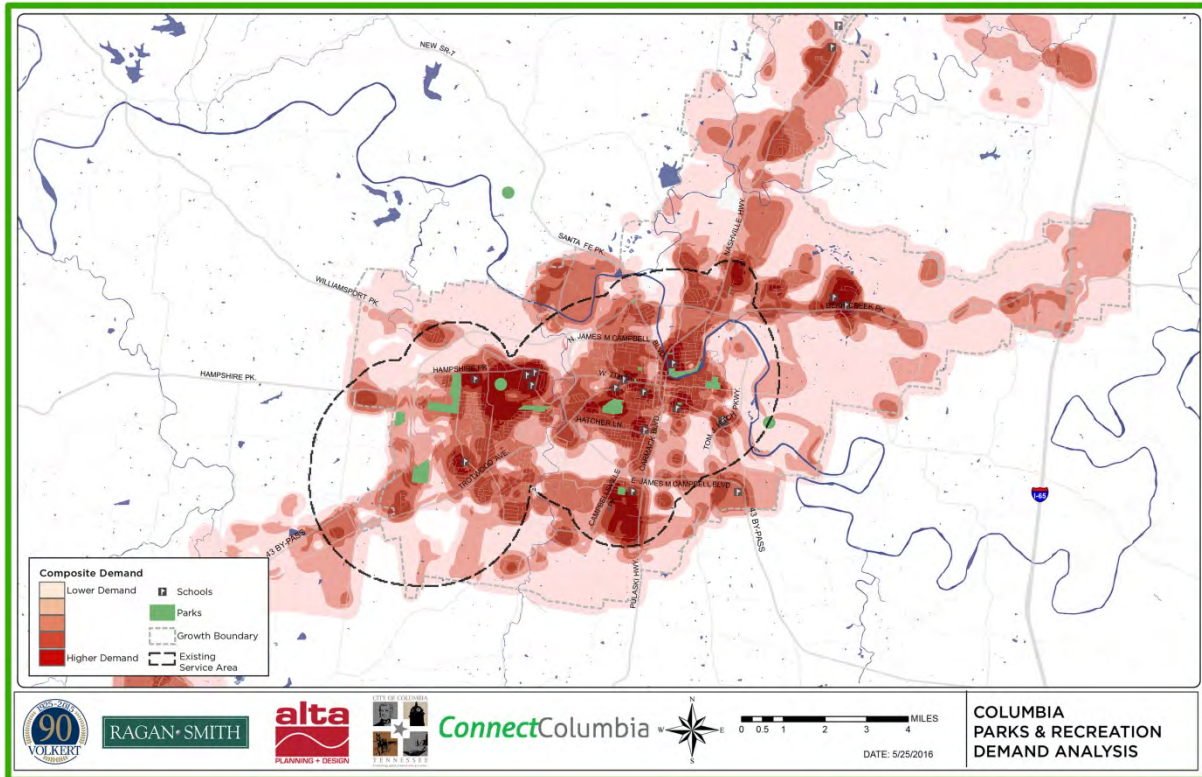
This map is a combination of entertainment, commercial establishments and recreational destinations. The analysis shows that the primary destinations are Downtown Columbia, existing parks, and the commercial shopping and entertainment area along James Campbell Boulevard on the south side of Columbia.

Where People Learn



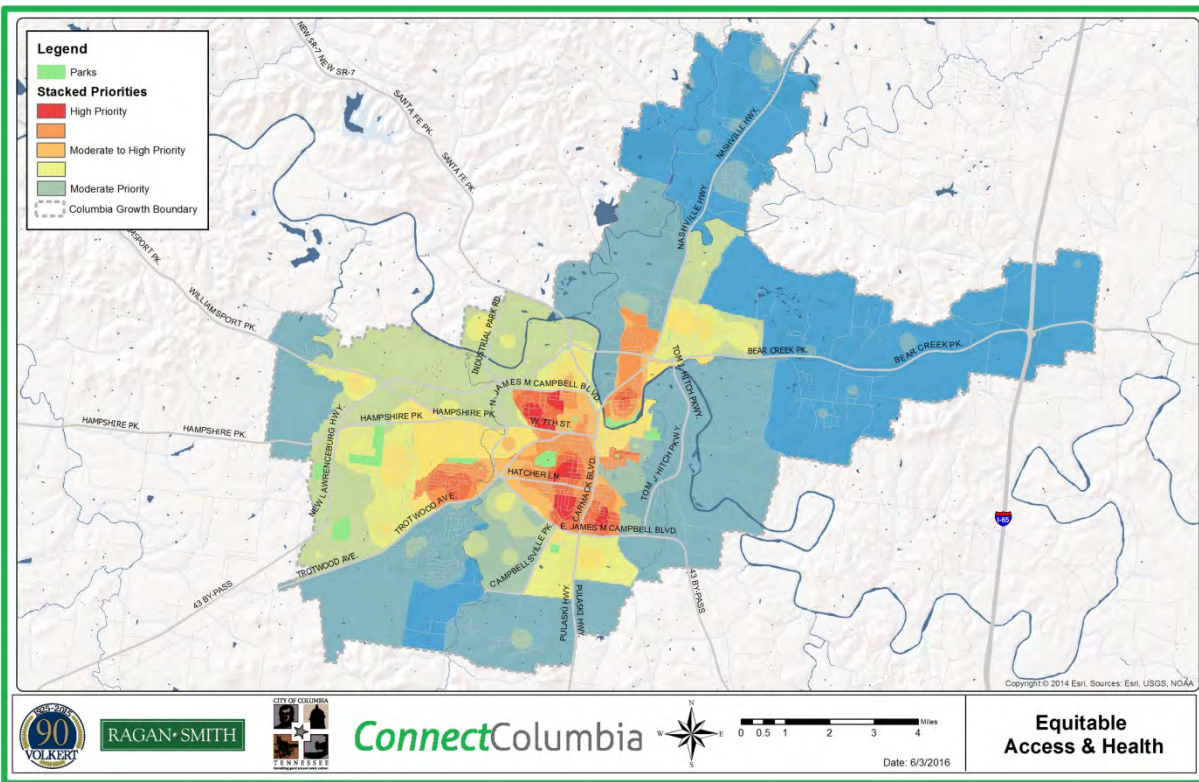
This map shows the locations of all schools in Columbia, from grade school to Columbia State. Schools are located fairly evenly throughout Columbia, except there is a significant gap in schools along the Nashville Highway Corridor to the North.

Composite Demand



This map displays the composite demand for the live, work, play, and learn factors. This is an important analysis because it shows where people are spending the most of their time. Most park users originate from their homes, place of work, or where they go for entertainment and recreation. The analysis shows a strong composite density in the downtown area (including the Columbia Arts District & Riverfront access), the Columbia State Campus, the retail area along James Campbell Boulevard, and along Bear Creek Pike. Additionally, this map shows existing facilities and the areas they serve. Areas that fall outside the existing service areas with high composite density clearly show the regions that are not currently being served and could greatly benefit from additional park facilities. The Nashville Highway and Bear Creek corridors north and north east of Columbia's center are highlighted as having strong demand and low service based on existing facilities and demographics.

Equitable Health



This map displays the composite analysis for numerous health issues affecting the population of Columbia. Those issues being the likelihood of heart disease, likelihood of stroke, likelihood of diabetes, likelihood of obese adults, likelihood of respiratory disease, and likelihood of adults not meeting activity levels. These health issues were then weighted evenly for an analysis that identifies the areas of Columbia that have the highest levels of health concerns and could benefit the most from park facilities and trail opportunities.

Community Input Open House - Existing Conditions

Public input is an important component in parks and greenways planning. In addition to analyzing demographics and existing conditions, there is no better resource for identifying issues than receiving input from the public and their desires, opinions, and thoughts. For this plan, public input was gathered through a public survey process, and by hosting an open house on June 18, 2016 to share the goals of the plan and to interact with the public directly. The following is a summary of the community comments received at the public open house.

INPUT FROM PARKS & RECREATION DEMAND ANALYSIS MAP

- Need facilities in the north and east sides of Columbia
- Desire for additional athletic facilities like Ridley Park
- Desire additional pocket parks downtown
- Yanahli is an asset to be utilized

INPUT FROM GREENWAY DESTINATION NODES MAP

- Complete a greenway loop at Riverwalk Park (Along Carter Drive)
- Create stronger greenway connections to the river.
- River is an asset; add access points and blueway routes.
- Make a greenway connection along 6th street to Fairview Park and continue this connection to Yanahli
- Link greenways to Yanahli for camping, and blueway (canoe and kayak opportunities).
- Connect a greenway from the square to Woodland Park and residential communities south and west of the square.
- Link a greenway to Chickasaw Trace Park on the north-west side of town.
- Link the Downtown Area to the new Arts District and the old Union Station Train Depot.

INPUT FROM COMMENT CARDS

- There is a great need for parks and athletic facilities along Highway 31 & Bear Creek corridors.
- There is a desire for improved community centers that include a greater mixture of athletic facilities like basketball, swimming, and community rooms.
- Connect the Riverwalk Park to TVA property (Yanahli & Fairview parks)
- Fairview Park could be better utilized, strong link to highway.
- There is a desire for more bicycle opportunities.
- More dog parks.
- There is a need for more aquatic facilities for swimming.
- Add connectivity to surrounding communities.
- Make a loop that captures greenway opportunity from the dam to Yanahli and blueway opportunities from the new boat launch access to the dam.
- Make stronger bike and pedestrian connections from the Downtown Area to surrounding communities and the Arts District.

PARKS AND GREENWAYS FUTURE CONDITIONS

Future Projections

PARK FACILITIES

The City of Columbia has a variety of park facilities that vary in size, programming, and condition. The inventory of existing facilities and public input indicated that there is a strong desire for more parks like Ridley Park and for stronger greenway connections throughout Columbia. According to the 2040 population projection of 51,334 and the NRPA Standards, future emphasis should be focused on expanding the existing trail system, adding additional tennis courts, playgrounds, and outdoor basketball courts, while also expanding the overall park system to add more park acreage. Columbia would also be well served by a skate park and/or roller hockey facility, and an additional high end splash pad. Additionally, emphasis should be placed on upgrading existing park facilities to a quality comparable to that of Ridley Park and Riverwalk Park. This improved quality would apply to all types of facilities like fitness centers, playgrounds, picnic shelters and trails, not just athletic fields.

An assessment of the existing park facilities revealed that many of the parks in Columbia are in relatively poor condition, offer inadequate accommodations for pedestrians, lack in passive recreation, and underserve the surrounding community. Additionally, there is a need for a new community, recreation and fitness center that would house a variety of community and recreational functions. If a new community recreation and fitness center were to be built an opportunity exists to repurpose the existing Armory Recreation Center to accommodate a centralized maintenance facility that could serve existing and future parks. Emphasis should be placed on upgrading park facilities to provide sufficient park resources. As Columbia continues to grow, it will be important to provide sufficient park facilities in order to prevent degradation of existing facilities due to overuse and overcrowding, and a mismatch between the location of existing resources and the growth of the population.

There are potential facilities that can be added to existing park lands relatively easily, such as skate parks, and disc golf. The request for these specialty facilities align with recent national trends to offer more facilities for alternative active recreation.

Prior to the addition of any new facility, the City of Columbia should develop a master plan for any existing park that is identified for a new facility. The purpose of a park master plan is to develop a comprehensive vision for a specific park in the context with its location, natural resources, program elements, amenities, and the vision of the community. This vision is then used as a framework for the parks use and development for years to come. Depending on the size and complexity of the project, the City may decide to hire an outside consulting firm to guide the City through this master planning process.

GREENWAYS

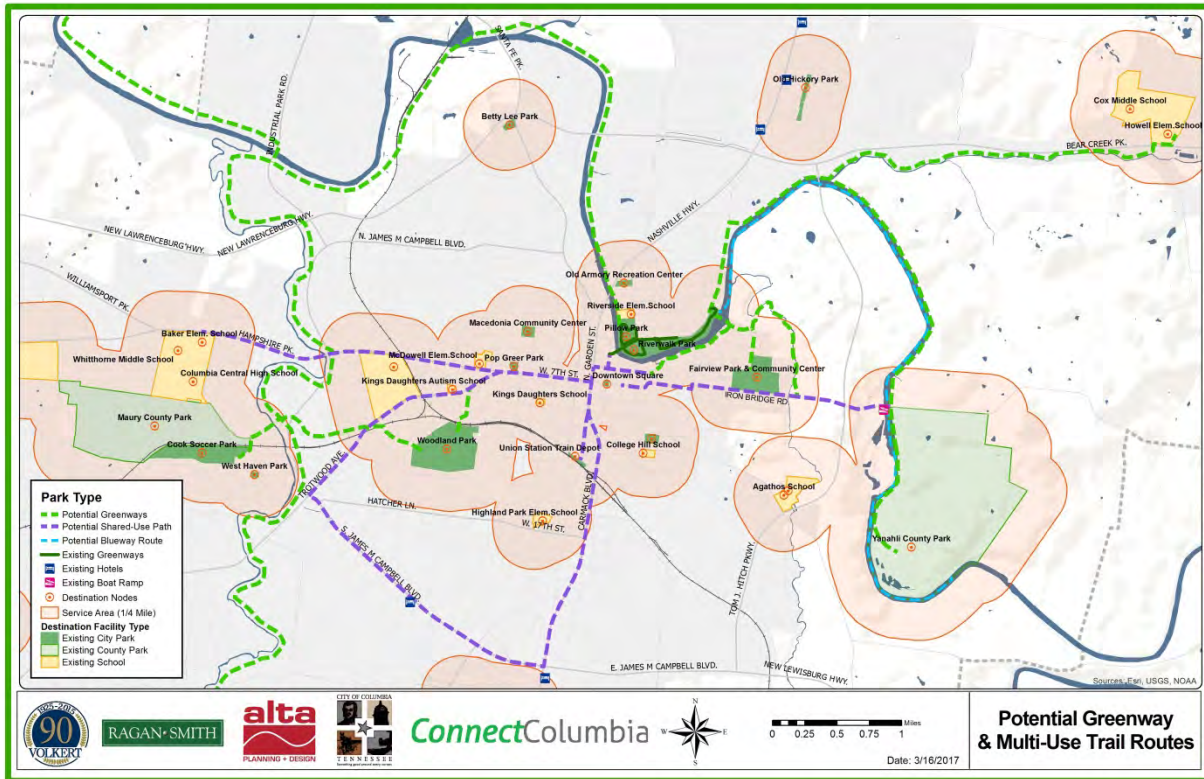
Greenways and the ability to walk or bike to destinations in and around the city overwhelmingly surfaced as a priority from public input. The top desired greenway destinations were Woodland Park, Fairview Park, Yanahli Park, the Duck River, the Downtown Columbia Square, and the surrounding districts. With only 1.5 miles of existing greenways, Columbia is currently underserved by 6 miles according to the NRPA recommended length of greenways for a city the size of Columbia and that number is anticipated to grow to 10 miles with the projected 2040 population growth. A dedication to the development and expansion of Columbia's greenway system is a critical recommendation for promoting health and wellness and improving the overall quality of life in Columbia and for the increased utilization of the City's current park and recreation facilities.

PROGRAMS

The current recreational programs are well loved and well managed in Columbia. The youth programs are heavily utilized and should continue to expand as the population grows. It would be good to continue to expand programs for the middle and older age population of Columbia. League and regional tournament play has provided a very positive economic impact to the city. Additional staff to maintain the heavily used athletic fields and manage park programming will be required as the city grows. There is an interest from the community in having more art and cultural classes for all ages of the population. A new community recreation center with updated class room facilities would help achieve this goal. Community events at Riverfront Park, like the farmers market, have been successful. The Riverfront Park lends itself to more community event and park programming opportunities.

Insert 11x17 page for final document

Potential Future Greenway Routes



Insert 11x17 page for final document

ConnectColumbia

Parks & Greenways Plan

RAGAN-SMITH

Big Ideas for the Future



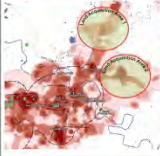











Land Aquisition:	Facilities:	Greenways, Bike/Pedestrian Connections:	Staff/Programs:
 <p>Land Acquisition of 150+ Acres City of Columbia will need to acquire more park lands to keep with projected 2040 population growth and provide a good level of service to the Bear Creek & Nashville Hwy Corridors.</p>	 <p>Upgrades are Needed for Several Existing Parks such as Frierson-Johnson, Eva Gilbert, Betty Lee Park, and Old Hickory Park. These parks could add some small facilities to improve their overall service to surrounding neighborhoods.</p>	 <p>High Need for Greenway & Multi-Use Connections to existing parks and areas identified for future parks and development.</p>	 <p>Additional Staff for Programming that manages and promotes more organized sports leagues. A deputy director to oversee programming would be appropriate given the number of events the City of Columbia currently host and plans to expand.</p>
 <p>More Recreation Facilities such as basketball courts, baseball/softball fields, playgrounds, walking trails and dog parks. This coincides with NRPA standards & the strong community feedback requesting more athletic fields & playgrounds.</p>	 <p>Upgrade Facilities to ADA Compliance to make sure that facilities are available to persons with disabilities.</p>	 <p>Need for Additional Greenway Miles as Columbia is currently underserved and the gap will continue to grow as the population increases. According to NRPA standards the community could use an additional 10 miles of greenways.</p>	 <p>Additional Staff for Maintenance of parks and facilities management. A separate deputy director to oversee operations and maintenance would be appropriate. Especially to keep tournament fields available for play.</p>
 <p>Strong Need for New Community/Fitness Facility to replace the outdated facilities at Armory Park. Room for a new community/fitness center should be considered with any new land acquisition.</p>	 <p>Convert Armory Recreation & Fitness Center to maintenance facility for parks and recreation department. This could serve as additional office space for a centralized park maintenance department.</p>	 <p>Create a Walkable Community that plans for pedestrians and bicycles. This is a particularly important in meeting the needs of public health in the community.</p>	 <p>Plan for Future Growth of the City of Columbia along with the Parks & Recreation system by increasing staff and operating capacity.</p>

TABLE 3 FUTURE PARKS AND RECREATION FACILITIES ASSESSMENT (USING GENERAL NRPA STANDARDS)

FACILITY	NRPA STANDARDS (MODIFIED FROM EXISTING MASTER PLAN – 1999)	RECOMMENDED BASED ON 2040 PROJECTIONS (ROUNDED TO WHOLE #)	CURRENTLY PROVIDED	DIFFERENCE
Overall Acreage	10.5 acre / 1,000 people	539	390	-149
Outdoor Basketball	1/5,000 people	11	3	-8
Handball	1/20,000 people	3	2	-1
* Tennis	1/2,000 people	26	18	-8
Volleyball	1/5,000 people	11	2	-9
** Baseball	1/5,000 people	11	14	+3
** Softball	1/5,000 people	11	13	+2
Football	1/20,000 people	3	3	0
** Soccer	1/4,000 people	13	11	-2
Disc Golf	1/50,000 people	1	1	0
Golf / Driving Range	1/50,000 people	1	1	0
*** Trail System	1 mile / 5,000 people	11	1	-10
Outdoor Pool / Splash Pad	1/ 20,000 people	3	2	-1
**** Indoor Pool	1/50,000 people	1	1	0
In-line skating rink	1/25,000 people	2	0	-2
Roller Hockey Facility	1/25,000 people	2	0	-2
Skate Park	1/25,000 people	2	0	-2
Running Track	1/20,000 people	3	0	-3
Playgrounds	1/2,500 people	21	8	-13
Gymnasiums	1/20,000 people	3	2	-1
Community Center	1/ 50,000 people	1	3	+2

* There are several tennis courts available with local educational facilities

** Baseball, softball and soccer facility standards do not account for regional leagues

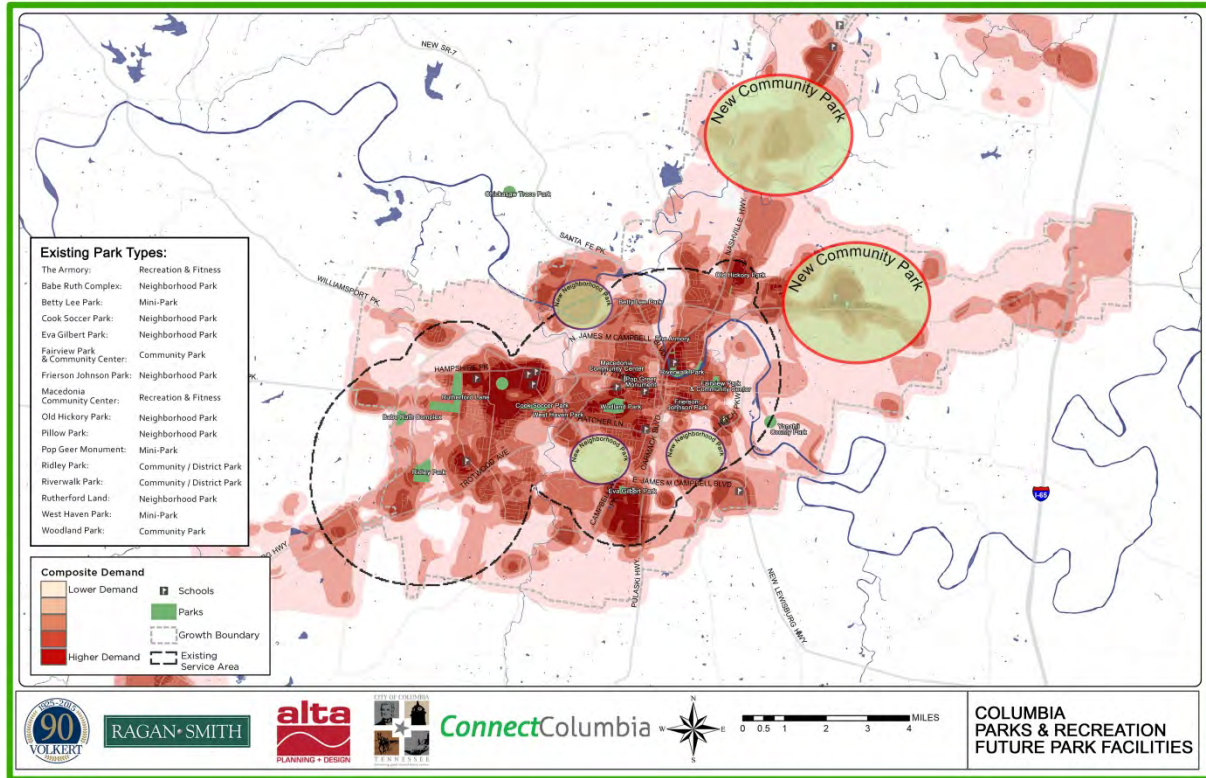
*** Trails and greenways increase value to all connected park facilities

LAND ACQUISITION

One of the biggest takeaways from the public input, the NRPA Standards and the 2040 population projections was the need for additional park space. The demand model in the previous chapter identified the north and east sides of Columbia as the areas with greatest need. This is consistent with the feedback received from the public open house. To provide an adequate level of service, Columbia can continue to protect its natural resources and meets its recreational needs by exploring other city owned property in these areas for repurposing existing parks and adding a greater mixture of recreational opportunities to existing parks that are underutilized. Park types and level of service should be determined based on a combination of demand and department resources. Based on future projections the City of Columbia will need to add a minimum of 150 acres to its park system to meet the level of service for overall acreage of park land established by NRPA guidelines. There is an opportunity to strategically plan for land acquisition in those areas that area currently under served and in the areas that will need future parks to meet the projected population growth for Columbia. As Columbia continues to grow, it will be important to provide sufficient park facilities in order to prevent degradation of existing facilities due to overuse and overcrowding, and a mismatch between the location of existing resources and the growth of the population. For community and regional park facilities land acquisition should specifically consider sites that could accommodate a new recreational fitness center and space for indoor programs. Ideally these sites will be in the range of 50 to 100 acres. For neighborhood parks acquisitions should target sites of 10 to 20 acres.

Insert 11x17 page for final document

Potential Land Acquisition Areas



Community Input Open House – Future Conditions

PARK ACTIVITIES

Input was gathered at the community open house to review possible future facilities and programs. A strong interest in formal athletic fields and programs was expressed as an important desire for residents in Columbia. In addition to traditional active recreational activities like baseball, soccer and football, there are a variety of passive and active activities that can fit into the plans for future park expansion and into the retrofitting of existing parks. Input was selected at the open house regarding some of these activities. The following recreational activities received notable interest:

- Cultural and art classes and activities (levels for adults and youth)
- Climbing Structures (simulated rock climbing) and playground structures
- Dog Parks (currently represented by an active community effort)
- Nature based playgrounds
- Team Building Courses
- Community Garden Space (In conjunction with school sites)
- Horse Shoes



Choose Your Future Park Activities!

<p><small>DOG PARK</small></p>  <p>● 1ST PRIORITY: 1 ● 2ND PRIORITY: - ● 3RD PRIORITY: 1</p>	<p><small>BOUCE BALL</small></p>  <p>● 1ST PRIORITY: - ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p><small>PUBLIC GARDENS</small></p>  <p>● 1ST PRIORITY: 2 ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p><small>WILDLIFE VIEWING</small></p>  <p>● 1ST PRIORITY: - ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p><small>GEOCACHING</small></p>  <p>● 1ST PRIORITY: - ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p><small>HORSESHOES</small></p>  <p>● 1ST PRIORITY: - ● 2ND PRIORITY: 1 ● 3RD PRIORITY: 1</p>
<p><small>PLAY STRUCTURES</small></p>  <p>● 1ST PRIORITY: 1 ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p><small>CLIMBING STRUCTURES</small></p>  <p>● 1ST PRIORITY: - ● 2ND PRIORITY: 3 ● 3RD PRIORITY: -</p>	<p><small>TEAM BUILDING COURSE</small></p>  <p>● 1ST PRIORITY: 1 ● 2ND PRIORITY: 1 ● 3RD PRIORITY: -</p>	<p><small>SHUFFLEBOARD</small></p>  <p>● 1ST PRIORITY: - ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p><small>MOUNTAIN BIKING</small></p>  <p>● 1ST PRIORITY: - ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p><small>NATURE BASED PLAYGROUND</small></p>  <p>● 1ST PRIORITY: 2 ● 2ND PRIORITY: - ● 3RD PRIORITY: 1</p>
<p><small>PUBLIC OPEN SPACE</small></p>  <p>● 1ST PRIORITY: - ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p><small>PICKLEBALL</small></p>  <p>● 1ST PRIORITY: - ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p><small>ADULT ART & CULTURE</small></p>  <p>● 1ST PRIORITY: 3 ● 2ND PRIORITY: 1 ● 3RD PRIORITY: -</p>	<p><small>YOUTH ACTIVITIES</small></p>  <p>● 1ST PRIORITY: 1 ● 2ND PRIORITY: - ● 3RD PRIORITY: -</p>	<p style="font-size: 24px; font-weight: bold;">What would you like to see offered by Columbia Parks & Rec?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="display: flex; align-items: center;"> ● GREEN - 1ST PRIORITY </div> <div style="display: flex; align-items: center;"> ● BLUE - 2ND PRIORITY </div> <div style="display: flex; align-items: center;"> ● YELLOW - 3RD PRIORITY </div> </div>	

PLAN IMPLEMENTATION

General Improvement Considerations

Based on an analysis of existing conditions, future projections and public input, there are some general factors to consider regarding the proposed improvement plans for future park, recreation and greenway facilities. These are overarching principles along with the Big Ideas for the Future, would apply to the general philosophy of improving the overall parks and recreation system.

IMPROVEMENT GOALS

- Maintain both active and passive recreational activities throughout the park system. A good overall balance as measured in units of area (acreage) is to achieve 60% of park space dedicated to passive use and 40% dedicated to active parks space. With this in mind, Columbia could use more passive park space.
- Develop a greater connection between existing and future parks using greenways, multi-use trails and bike routes. This will greatly increase the value of existing and future parks.
- Establish more restroom facilities, better lighting, and comfortable shaded areas throughout the park system for sitting, socializing and watching surrounding activities. Both informal and formal gathering spaces are important. This includes more rest areas along the existing and future greenway systems.
- Continue to upgrade existing park facilities to meet The Americans with Disabilities Act (ADA) standards to ensure equal opportunity for individuals with disabilities to have access to park facilities.
- Developing a comprehensive wayfinding signage program that has strong graphic communication, would benefit the park system. Wayfinding signage would be especially helpful in communicating with visitors and tourists from out of town. Signage efforts could also consider important historic and cultural destinations outside of the park system.
- Plan more community wide events for the River Walk Park. This facility has good capacity for special events.

- Initiate an additional community survey as future capital improvements are planned to inquire more in-depth questions about future programs, activities and facilities.

Improvements to Existing Parks

Most of the existing park facilities in Columbia are in need of upgrades. It is important to plan for improving existing facilities as this provides some of the greatest leverage in meeting citywide recreational demands. Some park properties are underdeveloped. These properties provide great opportunities to expand recreational opportunities without adding the additional cost of land acquisition or increased acreage to maintain.

ARMORY RECREATION AND FITNESS CENTER

This facility has great historical value and architectural character, but it is limited due to its age and lack of ADA accessibility. Its location is ideal to serve a large portion of the population but it will continue to require major investment to function as a long term recreation and fitness center. As the opportunity for a new recreation and fitness center becomes an option at other park property locations, this facility could be repurposed into a central long term parks and recreation maintenance facility. There is a fair amount of yard space available on the site with direct access to North Garden Street. The site could function as office space for operations and maintenance staff as well as a central yard for equipment and materials. Screening and visual considerations of this property from the public street is important. It would be relatively easy to connect this facility to Riverwalk Park with dedicated bike lanes, pedestrian walkways or a shared-used path along Carter Street. This would further extend pedestrian and biking opportunities for the existing greenway.

FAIRVIEW RECREATION CENTER / POOL AND ATHLETIC FIELDS

This facility should continue to expand on providing a mixture of recreational opportunities. The existing athletic fields are well suited to serve smaller local league events or practice, but there is no room to expand the major athletic fields. This park would be well served by a perimeter walking trail, along with additional shelters, playgrounds, tennis courts and aquatic facilities. Additionally,

more trees and shade structures should be installed to provide park visitors refuge from the sun. This park location is especially important in relation to serving the population on the east side of Columbia and it is well positioned to connect to an expanded greenway and/or shared-use path system along the Duck River and along Iron Bridge Road.

MACEDONIA RECREATION CENTER

This facility offers the community an opportunity for indoor recreation with limited outdoor playground space. Expansion opportunities for this park include picnic shelters, outdoor basketball courts, tennis courts, or even additional playground space. The topography of the site creates some challenge to expansion opportunities but this could be overcome with terracing the site.

COOK SOCCER FIELDS

This park is very popular for local soccer and open field play. As Ridley Park expands for tournament soccer, the Cook Soccer Fields become key for secondary events, practice, and local community sports. This park is in need of improvements to provide visitors with additional shaded seating areas as well as making the fields and the surrounding park support facilities ADA accessible. Furthermore, it would be advisable to provide a walking trail system throughout the park along with a pedestrian connection between the Cook Soccer Fields, the adjoining Maury County Park and the William P. Ridley 4-H Center immediately to the north. This park would benefit from a stronger informational and wayfinding signage program because of its location off the primary collector street system.

EVA GILBERT PARK

The football practice fields have been removed from the park as Ridley Park will serve to accommodate new football fields. The current facilities provide for limited baseball and softball use with large areas for unprogrammed open space play. This park is currently underutilized and deserves to be reprogrammed with a new master plan that would include input from the surrounding community and possible collaboration with the adjacent school. Its location near South James Campbell Boulevard and Joseph Brown Elementary

School make it an important neighborhood park for the south side of Columbia. This property should be a priority for new programming and development.

MAHLON RING BABE RUTH BASEBALL FIELD

This underdeveloped park has some limitations in that it is somewhat isolated and removed from the rest of the park system. It is easily accessed via the 43 By-pass, but is surrounded by industrial land use. One option recommended for this property would be to acquire additional acreage so the park could serve as a larger community park providing a balance of passive and active recreation opportunities for the west side of Columbia. With additional acreage and infrastructure, it may also have the capacity to function as a large athletic facility for tournament play. An additional option recommended for this property would be to liquidate it and utilize the funds for a land swap at a better site located in a high demand area that is currently underserved.

RIDLEY PARK SPORTS COMPLEX

Ridley Park is currently undergoing major improvements that will add soccer facilities as well as football facilities to the existing high-end baseball and softball facilities. It has become the premier athletic park in Columbia and is programmed with a rigorous schedule of athletic events and tournament play. Ridley Park has been a very positive economic benefit for the City. Additional amenities such as shade structures, play spaces, bathrooms and pedestrian connections / trails will be needed as part of the current upgrades to the park. With Ridley Park's focus on athletic facilities, it will be important to provide a balance of opportunities for local neighborhood parks, and passive use activities as the city grows along the Trotwood Avenue corridor.

BETTY LEE PARK

Betty Lee Park provides a great opportunity for a mini neighborhood park. It currently has a small playground that lacks ADA accessibility. This park should be programmed through a master plan effort that includes input from the surrounding neighborhood. Additional playground space, picnic shelters, ADA compliant access and landscape elements would all be appropriate improvements for this space. This property should be a priority for additional facilities and upgrading.

FRIERSON-JOHNSON PARK

The existing facilities for this park do provide some service to the neighborhood but there is a large amount of unutilized space in the park. Additional basketball courts, playground equipment, a walking trail and landscape amenities would all be welcomed improvements. This park would benefit greatly from a master plan that includes input from the surrounding neighborhood to upgrade the park facilities and provide greater opportunities for recreation. This property should be a priority for additional facilities and upgrading.

OLD HICKORY PARK

This park is currently underutilized but has great potential for a mini neighborhood park. This park is located in the Nashville Highway growth corridor and could serve both the surrounding residential neighborhoods as well as the commercial development along Highway 31. Playground elements, picnic shelters, a walking path and parking facilities would all be appropriate additions to this park. Its proximity to Allen Branch could promote strong natural elements into the park. This property should be a priority for new programming and development.

POP GEERS MEMORIAL PARK

This park has strong historical value and functions primarily for passive recreational use. It serves well as a gathering place on community parade events like Mule Day and Christmas parades that occur along West 7th Street. A major challenge to developing this park further involves the steep slopes and limited access to the park. Upgrades to pedestrian access, repairing the stone walls and adding additional landscaped seating could benefit the park experience. Improvements to the park should be done with sensitivity to its historical nature.

RIVERWALK / PILLOW PARK

This park contains the only prominent greenway trail in Columbia. The greenway is a valuable asset that needs to be expanded throughout the city. The size of the park and its proximity to the Duck River and the Downtown Square make it

a popular space that can be programmed for more community events. The park has room for more active recreational facilities like basketball, volleyball and playgrounds. The existing splash pad could be upgraded to a larger and higher end facility. Pedestrian lighting should be improved along the bridge connecting the park to the Downtown Square.

WEST HAVEN PARK

This park functions as a green space in the center of a roundabout. The size and location do not make it well suited for park activities other than potential social gathering space and unprogrammed activities. No changes are currently recommended for this space.

WOODLAND PARK

Woodland Park is an outstanding example of good balance between passive and active recreational facilities. The natural landscape adds significant value to the park experience. The new addition of a disc golf course to the park has proven to be a popular feature. The upgraded tennis courts are also very popular to users and experience heavy use. Other than the addition of a splash pad to Woodland Park, no major changes are proposed. Continued focus on maintenance and upkeep of the park facilities should be the focus for this park. The addition of wayfinding signage could be of great benefit to this park as it is located on a secondary and somewhat circuitous travel route.

New Park Areas and Facilities

Based on an analysis of anticipated growth, land use changes, major transportation corridors, areas were identified that have a high demand for park and recreation services. The City of Columbia should acquire additional park land and build new park facilities along the high demand Bear Creek Pike and Nashville Highway corridors. There is also a need to establish new neighborhood parks in some of the high demand and anticipated growth areas in other parts of Columbia. New park land acquisition on the west side of Columbia is not as high of a priority in part because of the existing Maury County park facilities already established in this area. Additionally, the City of Columbia would be well served to consider partnering with Maury County for

connecting county and city parks with greenways, coordinating open space planning and the possible development of a collaborative dog park project in the future.

It is recommended it be required by the City of Columbia for private development to fully incorporate the routes and park locations recommended by this Plan. This plan's policy should be interpreted broadly, since exact future conditions and locations are unknown, therefore development may occur in such a fashion that was not considered by the planning process upon which this plan is based. However, the proposed acquisition areas and connectivity concepts presented in this document should be maintained and required as a part of future development proposals. Land use and site design decisions that incorporate greenway and parks infrastructure as a basic element of the site development process should be encouraged by the City. Furthermore, any lands proposed for annexation into the City after the adoption of this Plan should be integrated into the City's parks and greenway network as well as abide by the recommendations and policies of this Plan.

NEW LAND AND PARK SITES

1. One to two new community parks of 50+ acres that can accommodate a mixture of both active and passive uses should be developed on the northeast side of Columbia. A community park in this area should provide the opportunity to build a new community fitness and activity center. This would also serve as a potential site for additional baseball fields to accommodate regional tournament play given the possibility of close access to the interstate and existing hotel accommodations.
2. Three new neighborhood parks of 10 to 20 acres in the following areas should be developed to accommodate future growth and meet recreational demand:
 - One new neighborhood park along East James M Campbell Boulevard.
 - One new neighborhood park on the southeast of town.
 - One new neighborhood park near the Santa Fe and Industrial Park Road Interchange.

Neighborhood parks in these areas should accommodate a mixture of both active and passive use activities. Additional basketball courts,

tennis courts, and playground facilities should be high priority for these parks because according to NRPA standards there is a projected need for more of these features in Columbia. Neighborhood parks should also incorporate amenities like walking trails, shelters, seating and shade. Additionally, the City's Subdivision Regulations and Zoning Regulations should be amended to include provisions that require parks, greenways, and multi-use facilities, as outlined by this plan, to be provided as part of the development review process.

3. The City should also plan to integrate more mini parks into the fabric of Columbia as new areas develop and old areas redevelop. These small parks of 1 acre or less serve as places for social interaction, reflection and relaxation. Mini parks can also provide good opportunities to meet open space requirement as well as for public art and historic or cultural monuments. They should be incorporated into new residential, office and commercial sites as part of the development review process as required by the amended Subdivision Regulations and Zoning Regulations that require parks, greenways, and multi-use facilities. Maintenance of these small parks can be integrated into private property management organizations placing them outside of the formal park and recreation department's maintenance and programming requirements.
4. Plans should be made to accommodate a major upgrade to the main park administration headquarters to accommodate ADA access or a new park administration building should be provided at one of the new park sites.
5. A central maintenance facility will be needed to accommodate operations and maintenance staff and equipment. This could be a redevelopment of the Armory Center or a new maintenance facility provided at one of the new park sites.

New Greenway Improvements

Based on NRPA standards, Columbia could use an additional 10+ miles of greenway connections throughout the city. Public input suggested that walking, biking and nature trails were all of high priority for the community. As new development occurs, by the City of Columbia should require for private development to fully incorporate the greenway and multi-use routes recommended by this Plan.

1. Extending the existing Riverwalk Greenway to Fairview Park and connecting further out to Yanahli County park is suggested as a high priority goal. This extension could be further connected along the north side of the Duck River with a loop back to Riverwalk Park. In addition to this greenway loop there is great potential for a Duck River blueway connection from the existing boat ramp on Iron Bridge Road to the dam at Riverwalk Park. The combination of a greenway – blueway loop lends itself to great tourism potential for Columbia.
2. An additional eastern spur along Bear Creek to connect to Cox Middle School and Howell Elementary School would provide strong opportunities to serve growth on the east side of Columbia.
3. The combination of a multi-use trail and greenway link from the Downtown Square to the Arts District, then continuing to Woodland Park and Cook Soccer Park would serve as an excellent way to link key destination points on the south side of town.
4. West 7th and Trotwood serve as primary collectors to key destination nodes along the west and southwest sides of Columbia. Given the anticipated growth and traffic along these corridors it will be important for Columbia to plan multi-modal options of transportation along these corridors. A greenway along Bigby Creek that connects to shared-use paths along the West 7th and Trotwood corridors would provide strong pedestrian and bicycle connections on the west side of Columbia.

Greenway Design Standards

INTRODUCTION

The contents of the following section are to be used as a guideline for designing and constructing future multi-use paths in different contexts throughout the study area. The majority of the guidelines are recommendations, therefore each application shall be studied independently to come up with the most efficient and functional design. Multiple national references were consulted during the creation of these guidelines, but it is the responsibility of the designer to ensure that their plans meet all local, state, and federal requirements.

GENERAL TRAIL DESIGN

Greenways, which also is called multi-use trail, can be made use many different types of materials, anything from a natural surface to a more dense asphalt

trail depending on how heavily the use will be. It is important to include multiple strategically placed access points from surrounding key communities and roads. These trails are designed to allow multiple different uses, like pedestrians, strollers, roller blades, wheelchairs, bicycles, etc. These trails must meet ADA and Public Rights-of-Way Accessibility Guidelines (PROWAG), in addition to any other local, state, and federal requirements for safety and accessibility. The dimensions of the trails shall be as follows:

- 8 feet as a minimum, but in areas that are going to see heavier use, or trails that run along TDOT roads, the minimum width is 12 feet. Both sides should also have at least a two foot clear area with an additional foot on each side for site furnishings.
- 8 feet as a minimum overhead clearance, but 10-12 feet is recommended.

SIGNALIZED INTERSECTION CROSSINGS

Crossings can create dangerous situations for pedestrians, especially in a more urban setting. Trails should be terminated at strategic points, which typically end up being at a local street or intersection. It is encouraged to have crossings at the existing signalized intersections throughout the study area because the designer can take advantage of traffic signals that already bring automobiles to a stop. Minimal modifications to the existing signals allow for greenway users to cross roads safely and comfortably. An additional safety features are:

- proper signage
- flashing lights
- a change in pavement patterns
- roadway markings
- or a “table top” intersection.

The warning options and distances are calculated based on the driving speed, line of sight, along with traffic volumes at each crossing and should be reviewed by the proper local, state, or federal agency to ensure that the crossing utilizes the required safety features.



AT-GRADE CROSSINGS

Crossings of this type will need to occur at certain places in Columbia. At-grade crossings should be located at least 400 feet from a signalized intersection. If the crossing is located less than 400 feet, then the designer should try and relocate the crossing so that it is integrated into the design of the signals. Crossing at-grade can be achieved by utilizing by proper signage, but many times a High intensity Activated crossWalk (HAWK) system will be used in higher density areas. A HAWK system provides protection at crossings by stopping traffic with a signal only when activated by a pedestrian. The signal is only activated when a pedestrian presses a button that makes the signal start flashing yellow, which then changes to a solid yellow, then to a solid red light. Once the lights are activated, all cars must come to complete stop, and a pedestrian light is displayed, which lets the pedestrian know when it is safe to cross. When possible, it is recommended to install a pedestrian refuge island, especially in heavy traffic and high speed roads, to help facilitate a more comfortable crossing. Like other signalized crossings, it is important to calculate proper warnings and distances for each individual crossing point as well as include the proper ADA and PROWAG accessibility requirements.



BRIDGE, UNDERPASS, & TUNNEL CROSSINGS

There are multiple other types of crossings that don't interfere with the flow of vehicular traffic. The following crossing types decrease the amount of pedestrian interaction with vehicles, therefore creating a safer, less stressful experience.

One type of crossing is the use of a bridge. Bridges are more commonly used when crossing a natural feature, like a creek, but can be used to cross streets as well. In some cases, a boardwalk may be required if trying to cross wetlands or areas that have poor drainage. Underpass and tunnel crossings have similar benefits as a bridge, but are normally used when crossing a road or railroad as opposed to a natural feature. All of these types do allow for a safe crossing, but they also require a much larger monetary investment. There are also public safety hazards that need to be addressed by installing additional elements, like lighting or additional drainage elements, that at-grade crossings do not have.



LINKAGE TRAILS

Greenways may have limited access points, which leads to the need of having dedicated trails that link surrounding residential and commercial areas to the proposed greenways and multi-use routes. These trails can be made of all different types of materials, but because these portions of the trail are not as heavily traveled, many times they are comprised of a natural surface, like wood chips, crushed aggregate or compacted dirt. Furthermore, because of existing conditions and access limitations, linkage trails won't always be ADA accessible.



Improvement Cost Evaluation

The following elements and factors should be considered in future park and recreation capital improvement plans to accommodate future growth for the City over the next 20 to 25 years:

- Land Acquisition for Community and Neighborhood parks
- Major extension of community greenway systems and share use trails
- Development cost for 2 Community Parks
- Development cost for 3 Neighborhood Parks
- Planning, re-development and re-programing of the following parks:
 - Eva Gilbert Park
 - Old Hickory Park
- Improvements and additional facilities / upgrading of the following parks:
 - Fairview Park and Recreation Center
 - Macedonia Recreation Center
 - Cook Soccer
 - Frierson-Johnson
 - Pop Geers Memorial Park
 - Riverwalk / Pillow Park
- Upgrades to administration office at woodland park or a new facility
- Upgrades to Armory Center to create a central maintenance office or a new central maintenance facility
- Other facility considerations:
 - Skate Park
 - Roller Hockey Rink
 - Aquatics Center
 - Indoor / Outdoor Nature Center

Ridley Park, Woodland Park as well as the Armory Recreation and Fitness Center will need ongoing maintenance and up keep. These park facilities have recently been the focus of major park improvements and facility additions, therefore will likely not need any major renovations. The exception to this would be the conversion of the Armory Recreation and Fitness Center into a maintenance facility.

TABLE 4 – PROJECT SCHEDULE

FACILITIES	SHORT TERM (2020)	MID TERM (2030)	LONG TERM (2040)	TOTAL
Community Parks	1	1		2
Neighborhood Parks	1	1	1	3
Total Acres	±70	±46	±33	±149
Miles of Proposed Greenways/Multi-Use Trails	4	3	3	10
Community/Recreation Centers		1		1
Outdoor Basketball	5	2	1	8
Handball			1	1
Tennis	4	2	2	8
Volleyball	4	3	2	9
Baseball				-
Softball				-
Football				-
Soccer		2	1	3
Disc Golf				
Outdoor Pool / Splash Pad			1	1
Aquatic Center			1	1
In-Line Skating / Roller Hockey Rink	1		1	2
Skate Park	1		1	2
Running Track	2		1	3
Playgrounds	7	4	2	13
Picnic Areas	4	4	4	12
Picnic Shelters		1	1	2
Nature Center		1		1

Recommendations for Department Staff

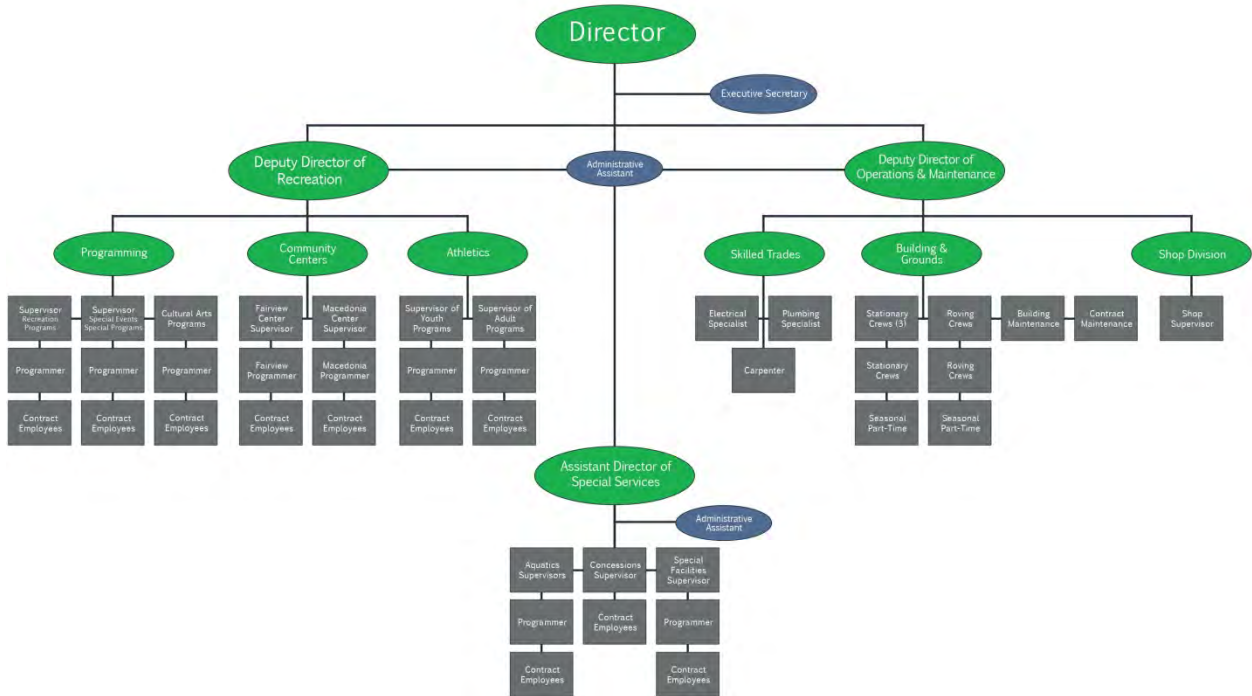
Based on the growth of the City of Columbia parks system, the high demand placed on athletic facilities, the management demands of recreational tournaments and anticipated increase in park programs and acreage the following chart depicts the suggested structure for the future parks and recreation staff:

Insert 11x17 page for final document

ConnectColumbia

Parks & Recreation

Proposed Organizational Chart



INDEX – COMPARISON OF CLAYTON, NORTH CAROLINA COMMUNITY CENTER

A MULTI-PURPOSE FACILITY

The Clayton Community Center is a 32,000 sq. ft facility is a multi-purpose building that includes art and pottery classes, fitness equipment, a large gymnasium and an indoor walking track (1/16 mile). Columbia should seek to develop a similar facility that can serve multiple age groups with an opportunity for diverse activities

EXAMPLE PHOTOGRAPHS OF CLAYTON COMMUNITY CENTER



APPENDIX – PRORAGIS COMMUNITY COMPARISONS

NRPA has initiated a program to collect data from parks and recreation departments from municipalities of all sizes from across the country and organize the data in a cohesive manner to be shared nationally. This data is organized into the PRORAGIS report, and can be accessed in real time to compare the City of Columbia with other Parks Departments across the country. Tables 4 - 18 correspond with all the data categories in the report and provide a quick cross comparison of cities of similar size.

TABLE 6 - AGENCY SUMMARY

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Jurisdiction Information				
Agency/Department's Jurisdiction Type	City	City	City	Town
If "Other," please describe:				
Jurisdiction Country	US	US	US	US
If "Other," please describe:				
Jurisdiction State/Province	IN	KY	TN	NC
Jurisdiction Total Operating Budget	\$35,973,342	\$47,000,000	\$2,237,300	\$20,132,000
Jurisdiction Annual Capital Budget	\$6,958,868	\$15,000,000	\$2,230,000	\$2,514,000
Jurisdiction Ethnic Distribution (will not necessarily total to 100%)				
a. White/Caucasian Persons	64.9%	82.0%	89.5%	88.3%
b. Black/African American Persons	28.1%	11.9%	3.6%	5.8%
c. American Indian/Alaska Native Persons	0.4%	0.3%	0.0%	0.3%
d. Asian Persons	0.7%	0.5%	5.2%	2.3%
e. Native Hawaiian/Pacific Islander Persons	0.0%	0.1%	z	
f. Hispanic or Latino (any race) or Spanish Origin Persons	5.0%	3.6%	1.9%	5.3%
g. Other				
If "Other," please describe:				
Square mileage that your incorporated jurisdiction serves	23	13.7		15
Jurisdiction per Capita Income	\$16,995	\$19,985	\$49,857	\$47,666
Jurisdiction Median Household Income	\$39,520	\$35,352	\$113,294	\$80,697
Jurisdiction Population	31,479	40,956	40,123	27,481
Jurisdiction population that is younger than 18 years of age	26.0%	23.3%	29.0%	22.9%
Jurisdiction population that is older than 65 years of age	18.0%	10.4%	16.1%	10.1%
Jurisdiction population below the poverty line	28.4%	26.4%	0.0%	8.5%
Jurisdiction population growth	-6.0%	1.1%	0.0%	10.4%

rate 2010-2013				
Are other Publicly funded service providers providing parks and recreation services in your jurisdiction? (Check all that apply)				
a. Charter/Private Schools	No	No	No	Yes
b. Police Athletic League (PAL)	No	No	No	No
c. YMCA/YWCA	Yes	No	No	Yes
d. Boys and Girls Clubs	Yes	Yes	No	No
e. Another Public Agency	No	Yes	No	No
f. Other	No	Yes	No	Yes
If "Other," please describe:		Church, Fire / EMS, Private Individuals and Organizations		Mecklenburg County
Agency Operations				
Resources Available				
Operating Budget				
Total operating expenditures for your fiscal year?	\$2,606,465	\$2,108,307	\$2,237,570	\$1,937,000
What percentage of your total operating expenditures are in the following categories?				
a. Personnel Services	61.0%	82.0%	51.0%	23.0%
b. Operating Expenses	39.0%	18.0%	49.0%	77.0%
c. Capital Expense not in CIP				0.0%
d. Other				0.0%
If "Other," please describe:				
What percentage of your total operating expenditures came from the following sources?				
a. General Fund Tax Support	44.0%	99.0%	71.0%	81.0%
b. Dedicated Levies		0.0%		0.0%
c. Earned/Generated Revenue	53.0%	1.0%	28.0%	0.0%
d. Other Dedicated Taxes	3.0%			19.0%
e. Sponsorships		0.0%	1.0%	0.0%
f. Grants				0.0%
g. Other				0.0%
If "Other," please describe:				
What are your department's TOTAL non-tax revenues for your fiscal year?	\$1,931,007	\$14,900	\$893,336	\$506,000
Capital Budget				
Total Capital Park Budget for Next 5-Years	\$2,500,000	\$2,950,000	\$2,594,000	\$25,000,000

Total Capital Budget this Fiscal Year	\$1,025,275	\$700,000	\$2,230,000	\$4,350,000
What percent of your current fiscal year's Capital Budget is designated for the following purposes?				
a. Renovation	77.0%		24.0%	15.0%
b. New Development		100.0%	76.0%	85.0%
c. Acquisition				0.0%
d. Other	23.0%			0.0%
If "Other," please describe:	new equipment & fleet			
General Obligation Bonds Authorized this year		2,950,000		4,200,000
Revenue Bonds Authorized For Parks		0		0
Personnel				
Full-time Equivalent Employees (FTEs)				
a. Number of Full-Time Employees	30	16	8	11
b. Number of Non-Full-Time Employees	111	7	40	40
c. Hours worked by non-Full-Time Employees	66,878	13,000	349,118.71	12,400
d. Total Number of Full-time Equivalent Employees (FTEs)	62.15	22.25	175.85	16.96
How many volunteers are in your parks and recreation department?				
a. Number of volunteers	0	0		550
b. Total hours worked by volunteers	0	0	14,132	9,700
What was the total personnel expense for the parks and recreation department for the year? (please include salaries and wages, bonuses, payroll taxes, employee benefits, retirement plan contributions, etc.)				
Do you have a Union Shop	No	Yes	No	No
Workload (estimate if necessary)				
How many individual parks or sites does your department/agency maintain				

and/or have management responsibility over?				
a. Total Number of Parks	21	40	28	13
b. Total Park Acres	447.5		754	244
c. Total Number of Non-Park Sites	10			3
d. Total Acres of Non-Park Sites	264.75			3
Total Number of Parks + Non-Park Sites (a+c)	31	40	28	16
Total Acres of Parks + Non-Park Sites (b+d)	712.25	990	754	247
Acres of undeveloped open space for which your department has management responsibility over or maintains	104			107
Total Trail miles managed or maintained	0.6	17	13	12
Number of buildings operated	33	0	2	3
Total square footage of buildings	107,131	0	4,500	6,700
Total number of Programs offered	20	12	202	630
a. Number of fee programs	20	1		600
b. Total program contacts (estimate as necessary)		10,000	29,045	54,800
Total Parks and Facilities Contacts	0		0	54,800
a. Building Facility Contacts				10,000
b. Park Facility Contacts				44,800
Agency Responsibilities				
Does your agency...				
Have budgetary responsibility for its administrative staff?	Yes	Yes	Yes	Yes
Operate and maintain park sites?	Yes	Yes	Yes	Yes
Operate and maintain indoor facilities?	Yes	No	Yes	Yes
Operate, maintain, or contract Golf Courses?	Yes	Yes	No	No
Operate, maintain, or contract Campgrounds?	No	No	No	No
Operate, maintain, or contract Water Parks?	Yes	Yes	No	No
Operate, maintain, or contract Tennis Center Facilities?	No	No	Yes	No
Operate, maintain, or contract Tourism Attractions?	Yes	No	No	No

Operate, maintain, or contract Other Attractions or Facilities?	Yes	Yes	No	Yes
Provide Recreation programming and services?	Yes	Yes	Yes	Yes
Operate and maintain non-park sites?	Yes	Yes	No	Yes
Operate, maintain, or manage trails, greenways, and/or blueways (TGB)?	Yes	Yes	Yes	Yes
Include in its operating budget the funding for Planning and Development Functions?	No	Yes	No	No
Operate, maintain, or manage special purpose parks and open spaces?	Yes	Yes	Yes	Yes
Atypical Agency Responsibilities				
Manage major aquatic complex?	No	No	No	No
Manage or maintain Fairgrounds?	No	No	No	No
Maintain, manage or lease Indoor Performing Arts center?	No	No	No	No
Administer or manage Farmer's Markets?	No	Yes	Yes	No
Administer Community Gardens?	No	Yes	Yes	Yes
Manage large performance outdoor Amphitheaters?	Yes	Yes	No	Yes
Administer or manage Professional or college-type stadium/arena/racetrack?	No	No	No	No
Administer or manage Tournament/Event quality Indoor Sports Complexes?	No	No	No	No
Administer or manage Tournament/Event quality Outdoor Sports Complexes?	Yes	No	No	Yes
Conduct major Jurisdiction wide special events?	No	Yes	No	Yes

TABLE 7 - ADMINISTRATION

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Agency Administrative Resources Available				
Total administrative operating expenditures/budget	\$3,736,730	\$300,749	\$250,000	
Total Administrative Personnel (FTEs)				
a. Department Head and Deputies	2	2	2	
b. Procurement/Contracts Staff (Purchasing)	2	0		
c. Personnel Staff (HR)	1	0		
d. All Other Administrative Staff	6	1	5	
e. Total Administrative Personnel	11	3	7	
Agency Administrative Workload				
Employees trained	5	0	13	
Total Annual hours of Training	100	0		
Total Annual Amount of Purchases	\$1,437,742	\$146,500		
Vendor Service contracts issued	49	0		
Total Annual Value of Vendor Contracts	\$154,008	\$0		

TABLE 8 - GENERAL PARK SITES

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
General Data				
Total number of parks maintained	30	30	29	
Total acres of parks maintained (do not include non-park sites)	712.23	196	754	
Percentage of total parkland acres that are developed	40.0%	75.0%	40.0%	
Total acres of developed parkland that your agency maintains	281	147	754	
Park Facilities				
Aquatics - outdoor				
Ocean Frontage - Linear Feet	10,032	0		
Lakes				
Number		1	16	
Surface Acres		2		
Rivers				
#	1	2	1	
Linear Ft.	80	40	26,400	
Wetlands				
		0	20	
Beaches				
#	1	0		
Linear Ft.	400			
Boat Ramps/Water Entry				
		2		
Splash Pads				
#	1	1		
Sq. ft	10,500			
Swimming Pools				
#		2		0
Total sq. ft.				
Athletic Courts				
Badminton Court				
		0		
Basketball Courts				
	10	14	1	3
Basketball Courts - half courts				
	2			
Bocce Ball				
		0		
Croquet court				
		0	2	
Jalai Court				
		0		
Handball/Racquetball Courts				
		0		

Horseshoe Court				
Lawn bowling		0		
Multiuse courts -Basketball, Volleyball		2		1
Shuffleboard Courts		0		
Tennis Courts - poured surface	2	0	26	7
Tennis Courts - Clay				
Tennis Courts - Grass				
Volleyball - sand court	10	0	2	
Volleyball - hard court		0		
Athletic Fields				
Diamonds				
Baseball - Youth				
#	6	4	9	9
# Synthetic				
Baseball Adult				
#		8	1	0
# Synthetic				
Softball Fields - Youth				
#		0	3	1
# Synthetic				
Softball fields - Adult				
#	3	0	3	1
# Synthetic				
Tee-Ball				
#		0	2	0
# Synthetic				
Rectangular Fields				
Multi-purpose Rectangular Fields				
#		1	1	4
# Synthetic				
Cricket Field				
#		0		0
# Synthetic				
Field Hockey Field				
#		0		0
# Synthetic				
Football Field				
#		0	3	0
# Synthetic				
Lacrosse Field				
#		0	3	0
# Synthetic				

Soccer field - Adult				
#		2		0
# Synthetic				
Soccer Field - youth				
#		0	7	0
# Synthetic				
Winter Facilities				
Ice rink (outdoor only)	1	0		0
Sledding Hill				
#		0		
# of Runs				
Tubing Hill				
#				
# of Runs				
X-Country Ski Trail				
#		0		
Miles/Linear ft.				
Downhill skiing/snowboarding				
#				
# of Runs				
Ski lift/Rope tow.				
#				
# of Runs				
Other facilities				
Community gardens				
#			1	1
# of Plots			80	
Historic Cemetery				
#		1		
Acres		21		
Skate Park				
#	1	0	1	
Sq. ft.	24,000		3,000	
Playgrounds				
#	15	21	30	10
# of Accessible	5		30	
Tot lots				
#		3	1	0
# of Accessible			1	
BMX track				
#		0		
Linear Ft.				
Track - 400meter/440 yds.		0		

Archery range				
#		0		
Stations				
Trap and skeet range				
#				
Stations				
Firing range				
#				
Stations				
Picnic tables	283	145	75	
Picnic shelters	23	9	7	
Restrooms (Restroom buildings)	11	6	16	
Parking spaces				
#	1,930			
Sq. Ft.	312,660			
Concessions (Concession buildings)	5		9	
Multi-use trails				
#	1	23.9	1	
Linear Ft.	3,200	126,192	68,640	
Hike only trails				
#		1.1	1	
Linear Ft.		5,808	1,320	
Equestrian only trails				
#		0		
Linear Ft.				
Biking only trails				
#		0		
Linear Ft.				
Sno-mobile trails				
#		0		
Linear Ft.				
Hike/Bike trails				
#		11.5		
Linear Ft.		60,720		
Outdoor stage theater				
#	2	1		
Seats				
Festival grounds				
#	1	1	1	
Acres			50	
Dog Park				
#		0	1	0

Acres			1	
Stables				
#		0	1	
Stalls			12	
Riding ring (size is generally in diameter)				
#		0		
Size				
Farm Buildings		0	3	
Farmed acres		0	10	
Maintenance Facilities	2	2	2	
Other				
If "Other," please describe:				
Other				
If "Other," please describe:				
Other				
If "Other," please describe:				
Resources for General Parks				
Total Operating Expenditures/Budget for General Parks	\$725,000	\$958,739	\$1,331,695	
Total Operations/Maintenance FTEs for General Parks				
a. Full-Time	8	16	15	
b. Non-Full-Time	11	7	6	
c. Number of hours worked by non-full-time	10,000	40	1,250	
d. Total Number of Full-time Equivalent Employees (FTEs)	7	22.25	18	
a. Number of Maintenance Services Contracts	11		4	
b. Value of Maintenance Services Contracts	50,000		628,700	
c. Acres maintained under maintenance services contracts	1		302	
Number of Trades Staff Personnel (Includes plumbing, electrical, HVAC and similar)	0		2	
How many staff members have the CPSI certification?	0		2	
How many staff members have the AFO certification?	0			
Workload for General Parks				
Parkland Acres mowed				

a. Number of Parks mowed	24		29	
b. Number of Acres mowed	185		252.6	
c. Acres mowed by staff	184		46.8	
d. Acres mowed by contractor	1		205.8	
Landscaped areas				
a. Number of Beds	30		250	
b. Number of Sq. Ft.	16,000		316,444	
c. Percentage of landscaped area maintained by contracted services	8,150.0%		100.0%	
Miles of trails within the parks to be maintained	0.8	17	13	
Annual Visitor Contacts for General Parks (estimate as necessary)	500,000			
Park Trees				
a. Number of Acres			450	
b. Number of Trees (if available)				
c. Percentage of acres with 200 plus, trees per acre (please Estimate)			300.0%	

TABLE 9 - INDOOR FACILITIES

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
General Data - Indoor Centers				
Facility Types				
Recreation Centers				
#				2
Sq. Ft.				
Number that are 35,000 sq. ft or Larger				
Number that are Less than 35,000 sq. ft				
Community Centers				
#	1			1
Sq. Ft.	12,300			
Senior Centers				
#	1		1	0
Sq. Ft.	14,000		4,000	
Teen Centers				
#				0
Sq. Ft.				
Museums				
#			1	
Sq. Ft.			850	
Field Houses				
#				
Sq. Ft.				
Performing & Visual Arts Centers				
#				
Sq. Ft.				
Equestrian Center				
#				
Sq. Ft.				
Arena				
#				0
Sq. Ft.				
Center Activity Spaces				
Gym				
#				2
Sq. Ft.				
Competitive Swimming Pools				

a. 50 meters				
#				
Sq. Ft.				
b. 25 yards				
#				
Sq. Ft.				
c. Other				
#				
Sq. Ft.				
d. Separated Diving Well				
#				
Sq. Ft.				
e. Total Competitive Swimming Pools				
#				
Sq. Ft.				
Leisure Pool				
#				
Sq. Ft.				
Therapeutic Pool				
#				
Sq. Ft.				
Fitness center				
#				0
Sq. Ft.				
Ice rink				
#				0
Sq. Ft.				
Class/exercise rooms				
#				
Sq. Ft.				
Other, Describe				
#				
Sq. Ft.				
If "Other," please describe:				
Other, Describe				
#				
Sq. Ft.				
If "Other," please describe:				
Other, Describe				
#				
Sq. Ft.				
If "Other," please describe:				

Resources				
Total operating expenditures/budget for indoor facilities			\$47,170	
Total operating revenue from indoor facilities			\$65,749	
a. Membership/Entry as a Percent of Total Revenue	0.0%			
b. Class Fee as a Percent of Total Revenue	0.0%		52.0%	
c. Concession as a Percent of Total Revenue	0.0%			
d. Rental Equipment as a Percent of Total Revenue	0.0%			
e. Other as a Percent of Total Revenue	100.0%			
Total Facilities Staff (FTEs)				
a. Full-Time Operations Staff				
b. Non-Full-Time Operations Staff				
c. Total Hours Worked by Non-Full-Time Operations Staff				
Total Number of FTEs	0			
How many volunteers assist your facility staff?				
a. Number of volunteers for facilities	0			
b. Number of volunteer hours for facilities	0			
Total Program Staff (FTEs)				
a. Full-time Programs Staff				
b. Non-Full-Time Programs Staff			1	
c. Total Hours Worked by Non-Full-Time Programs Staff			1,300	
Total Number of FTEs			0.63	
Total Program Contracted Staff				
Number of contracted programs staff			2	
Hours worked by contracted programs staff			374	
Workload				
Total Number of Indoor Facilities	2		2	
Total Square Feet of Indoor Facilities	26,300		4,850	
Annual visitor contacts at all indoor facilities	58,200			

Number of Memberships				
Annual Member Contacts				
Daily Fee Entry Contacts (report total for the year)				
Programs				
a. Number of Programs				
b. Number of Registrations				
Fee Classes				
a. Number Fee Classes			6	
b. Number of Registrations			300	

TABLE 10 - GOLF COURSE

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Golf Resources				
Total operating expenditures/budget		\$676,000		
Total revenue		\$778,000		
a. Total full-time staff		3		
b. Total non-full-time staff		34		
c. Total non-full-time staff hours worked annually		13,850		
Number of volunteers		0		
Number of volunteer hours annually		0		
Total clubhouse staff (FTEs)		5		
Total maintenance staff (FTEs)		2		
PGA pros		0		
Golf carts - motorized		72		
Driving ranges		0		
Pro shops		1		
Concessions/food service		1		
Family practice facility		0		
Golf Course Workload				
Number of courses				
a. Regulation 18-hole courses		1		
b. Regulation 9-hole courses		0		
c. Executive 9-hole courses		0		
d. Executive 18-hole courses		0		
e. Par 3; 18-hole courses		0		
f. Par 3; 9-hole courses		0		
g. Total number of courses (sum of a - f)		1		
Total number of holes - all courses		18		
Total number of acres - all courses		110		
Number of courses that are managed by contractors		1		
Average available rounds per season		65,000		
Total rounds of golf played in		25,858		

reporting year (report "rounds" as 18 hole equivalents)				
Senior rounds (report "rounds" as 18 hole equivalents)		4,000		
Junior rounds (report "rounds" as 18 hole equivalents)		400		
Youth golf skill programs		1		

TABLE 11 - CAMPGROUND

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Campgrounds Resources				
Total operating expenditures/budget - All campgrounds				
Total Revenue				
a. Total full-time staff				
b. Total non-full-time staff				
c. Total non-full-time staff hours worked annually				
Campground Workload				
Campgrounds				
Camping Season (nights per year)				
Total Camper nights sold				
Total Campsites Available				
Campsites managed by contractors				
Group Camp sites capacity				
Camp Stores				
Dump stations				
RV storage site				
Campfire programs				
Provide cable				
Provide Wi-Fi				

TABLE 12 - WATER PARKS

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Water Park Resources				
Total operating expenditures/budget - All Sites		\$100,968		
Total Revenue		\$0		
a. Total full-time staff		0		
b. Total non-full-time staff		9		
c. Total non-full-time staff hours worked annually		2,664		
Water Park Workload				
Number of Water Parks		1		
Size of Water Park		23,849.3		
Number of features		6		
Concessions revenue		\$0		
Days in operating season		63		
Total visitor contacts		7,409		
Number of water parks managed by a contractor		0		

TABLE 13 - TENNIS CENTER

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Tennis Resources				
Total operating expenditures/budget - All Sites			\$7,000	
Total Annual Revenue			\$4,000	
a. Total full-time staff				
b. Total non-full-time staff				
c. Total non-full-time staff hours worked annually				
Tennis pros			1	
Tennis Center Workload				
Number of courts			26	
Number of visitor contacts			1,000	
Fee classes			540	
Concession facility				
Pro shops			1	
Tournament total registrations				
Days in season			265	
Youth usage			250	
Number of tennis courts managed by contractors			6	

TABLE 14 - TOURISM

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Tourism Resources				
Total operating expenditures/budget - All Sites and Events				
Total annual direct revenue				
a. Total full-time staff				
b. Total non-full-time staff				
c. Total non-full-time staff hours worked annually				
Percentage of cost provided by maintenance or other departmental staff				
Tourism Workload				
Site attractions				
Special event attractions				
Sports competitions				
Races				
Annual estimated revenue of tourism attractions and events				
Total estimated visitor contacts				
Number of contractor managed tourism events				

TABLE 15 - OTHER ATTRACTION OR FACILITIES

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Stadium				
Number		0		
Total Operating Costs				
Total Revenue				
Performance amphitheater				
Number		1		2
Total Operating Costs		\$8,000		
Total Revenue		\$0		
Formal garden/arboretum				
Number		0		
Total Operating Costs				
Total Revenue				
Marina/livery				
Number		0		
Total Operating Costs				
Total Revenue				
Equestrian center/rodeo facilities				
Number		0		
Total Operating Costs				
Total Revenue				
Other - Describe				
Number				
Total Operating Costs				
Total Revenue				
If "Other," please describe:				
Other - Describe				
Number				
Total Operating Costs				
Total Revenue				
If "Other," please describe:				
Other - Describe				
Number				
Total Operating Costs				
Total Revenue				
If "Other," please describe:				

TABLE 16 - RECREATION PROGRAM ACTIVITIES

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
General Data				
Programs/Classes/Events and Services				
Do you manage Athletic programs for Youth?	No	No	Yes	No
If yes, How many do you register for...?				
Spring				
Summer				
Fall				
Winter			519	
Do you charge for registration?	No	No	Yes	No
If no, do you provide fields for jurisdiction Leagues?	No	Yes	No	No
Do you charge for field use?	No	No	Yes	No
Do you manage athletic programs for adults?	No	Yes	Yes	No
If yes, How many do you register for...?				
Spring		1	630	
Summer				
Fall		0	525	
Winter				
Do you charge for registration?	No	Yes	Yes	No
If no, do you provide fields for jurisdiction Leagues?	No	No	No	No
Do you charge for field use?	No	No	No	No
Does your agency offer activities in the following categories?				
Health and Wellness Education (nutrition, cooking, gardening, balance, injury prevention, etc.)	No	No	Yes	No
Safety Training (learn-to-swim, bike, boating, fire safety, etc.)	No	No	No	Yes
Fitness Enhancement Classes (aerobics, jazzercise, spinning, zumba, pilates, water walking, etc.)	No	Yes	No	Yes
Team Sports (baseball, basketball,	No	Yes	Yes	Yes

football, soccer, etc.)				
Martial Arts (Judo, karate, self-defense, Tai Chi, taekwondo, etc.)	No	No	No	No
Aquatics (swim classes, teams/leagues, diving, tournaments, etc.)	No	No	No	No
Golf (lessons, league play, tournaments, etc.)	No	Yes	Yes	No
Social Recreation Events (parlor games, e.g. checkers, dominoes, chess,) dances, e.g., parent-child, senior prom, ballroom dance classes, latest modern dances)	No	No	Yes	Yes
Cultural Crafts (woodworking, weaving, quilting, pottery, basketry, etc.)	No	No	Yes	No
Performing Arts (drama, music, dance, etc.)	No	Yes	Yes	Yes
Visual Arts (painting, drawing, photography, other art forms)	No	Yes	Yes	Yes
Natural and Cultural History Activities (nature walks, historic site tours, gardening, related events and classes)	No	No	Yes	No
Themed Special Events (holiday parades or events, commemorative days or weekends, etc.)	No	Yes	Yes	Yes
Trips and Tours (varied excursions for shopping, sport (skiing), or holiday events, etc.)	No	No	Yes	Yes
Other Activities or Special programs - Describe	No	Yes	No	No
If "Other," please describe:		One day events, i.e. Easter Egg Hunt, Fish Derby, Renaissance Events, etc.		
Major Special Events - Describe	No	Yes	No	No
If "Other," please describe:		Main Street Events, All Star Game		
Out of School Time (OST) Activities				

Summer camp				
Does your agency offer?	No	No	Yes	Yes
Program Weeks			8	
Avg. # of Weekly Participants			60	
Avg. # of Meals Served Weekly			1	
Before school programs				
Does your agency offer?	No	No	Yes	No
Program Weeks			40	
Avg. # of Weekly Participants			40	
Avg. # of Meals Served Weekly				
After school programs				
Does your agency offer?	No	No	Yes	No
Program Weeks			40	
Avg. # of Weekly Participants			145	
Avg. # of Meals Served Weekly				
Preschool				
Does your agency offer?	No	No	No	No
Program Weeks				
Avg. # of Weekly Participants				
Avg. # of Meals Served Weekly				
Full daycare				
Does your agency offer?	No	No	No	No
Program Weeks				
Avg. # of Weekly Participants				
Avg. # of Meals Served Weekly				
Specific teen programs				
Does your agency offer?	No	No	No	No
Program Weeks				
Avg. # of Weekly Participants				
Specific senior programs				
Does your agency offer?	No	Yes	Yes	Yes
Program Weeks		49	50	
Avg. # of Weekly Participants		10	356	
Avg. # of Meals Served Weekly		0		
Programs for people with disabilities				
Does your agency offer?	No	Yes	Yes	Yes
Program Weeks		49		
Avg. # of Weekly Participants		10		
Avg. # of Meals Served Weekly		0		
Does your department make accommodation for inclusion in activities?	No	Yes	Yes	No
Do you conduct Individual	No	No	No	No

assessments of clients with significant disabilities?				
Do you provide program opportunities for people with significant disabilities?	No	No	Yes	No
Program Activity Resources				
Total program operating expenditures/budget		\$255,000	\$505,000	
Revenue generated by program activity fees		\$6,225	\$551,000	
a. Total full-time program staff		1	3	
b. Total non-full-time program staff		4	32	
c. Total non-full-time staff hours worked annually		733	15,055.11	
How many volunteers are involved with your recreation program activities?				
a. Number of volunteers		0		
b. Total hours worked by volunteers		0	9,270	
Contract instructors (number)		2		
Value of program sponsorships		\$0	\$29,315	
Program Activity Workload				
Number of programs offered (All kinds)				
a. Total annual number of programs		24	281	
b. Total annual program visitor contacts		17,000		
c. Total program sessions		30		
Number of Fee Activities				
a. Number of fee activities		1	215	
b. Annual visitor contacts from fee activities		2,145		
c. Total fee activity sessions		1		
Number of drop-in programs offered - non-registered.		3		

TABLE 17 - NON-PARK FUNCTIONS

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
General Data				
Does your agency...				
Maintain street trees	No	Yes	No	No
Maintain medians	No	Yes	No	No
Maintain public school grounds and recreational facilities	No	No	No	No
Maintain jurisdiction public areas	No	Yes	No	No
Manage or maintain public cemeteries	No	No	No	No
Manage or maintain fairgrounds	No	No	No	No
Conduct major Jurisdiction wide special events	No	Yes	No	Yes
Do you have snow plowing responsibility other than in the parks?	No	Yes	No	No
Resources for Non-Park Sites				
Total operating expenditures/budget for non-parks				
a. Total full-time staff				
b. Total non-full-time staff				
c. Total non-full-time staff hours worked annually				
Amount spent on contracted maintenance		\$10,000		
Certified irrigation staff		0		
Certified chemical application staff		3		
Landscaping staff		6		
Workload for Non-Park Sites				
Maintain medians (centerline)		10,600		
Mowing medians		32		
Irrigating medians		3,600		
Public buildings maintained		1		
Public areas mowed		3,000,000		
Number of school grounds maintained		0		
Acres of school grounds maintained		0		

Street trees inventory		8,100		
Street trees maintained yearly		2,000		
Landscape beds (1,000 sq. ft.)				

TABLE 18 - TRAILS, GREENWAYS, & BLUEWAYS

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Resources				
Total operating expenditures/budget for Trails, Greenways, and Blueways (TGB)			\$332,750	
a. Total full-time staff			5	
b. Total non-full-time staff			1	
c. Total non-full-time staff hours worked annually				
Contracted maintenance		\$10,000	\$90,000	
Trail maintenance equipment - pieces			6	
Workload				
Multi-purpose - No equestrian				
# Miles		4		
visitor contacts				
Multi-purpose - Equestrian permitted				
# Miles		0		
visitor contacts				
Hiking/walking only				
# Miles		0		
visitor contacts				
Bicycling only				
# Miles		0		
visitor contacts				
Equestrian only				
# Miles		0		
visitor contacts				
Cross country skiing				
# Miles		0		
visitor contacts				

Sno-mobiling				
# Miles		0		
visitor contacts				
Off-road vehicles				
# Miles		0		
visitor contacts				
Water trails				
# Miles		5		
visitor contacts				
BMX trails				
# Miles		0		
visitor contacts				
Other				
# Miles		11		
visitor contacts				
If "Other," please describe:		Devou Backcountry Trails		
Total Trails Miles				
# Miles		20	13	
visitor contacts				
Percentage of trail miles maintained annually		20.0%		
Multi-purpose - Equestrian permitted				
# Miles		0	\$332,750	

TABLE 19 - PLANNING & DEVELOPMENT

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Resources				
What resources does your planning and development budget authorize?				
Total planning operating expenditures/budget				
a. Total full-time design staff				
b. Total non-full-time design staff				
c. Total non-full-time design staff hours worked annually				
Total contracted design employees (FTEs)				
a. Total full-time development staff				
b. Total non-full-time development staff				
c. Total non-full-time development staff hours worked annually				
Total contracted development employees (FTEs)				
Professional support staff				
Percentage of staff paid for from bond funds (force accounting)				
Amount paid to staff from bond funds (force accounting)				
Total annual capital budget				
Workload				
Acquisition projects				
Scheduled				
#				
\$				
Completed				
#				
\$				
Renovation projects				
Scheduled				
#				
\$				

Completed				
#				
\$				
Development projects				
Scheduled				
#				
\$				
Completed				
#				
\$				
Site plans				
Scheduled				
#				
\$				
Completed				
#				
\$				
Development plans reviewed				
Bond or levy referenda				
Bond or levy referenda Amount				

TABLE 20 - SPECIAL PURPOSE PARKS

	CITY OF MICHIGAN CITY, IN. DEPARTMENT OF PARKS AND RECREATION	CITY OF COVINGTON KY.	GERMANTOWN, TN, PARKS & RECREATION	CORNELIUS, NC PARKS, ARTS, RECREATION & CULTURE DEPARTMENT
Resources				
Total operating expenditures/budget - All sites			\$196,922	
a. Total full-time staff				
b. Total non-full-time staff			4	
c. Total non-full-time staff hours worked annually			5,000	
a. Number of volunteers			115	
b. Total hours worked by volunteers			5,500	
Contracted Staff				
Naturalists			1	
Historians				
Open Space Workers			1	
Workload				
Total of all Spec. Purpose Parks				
#			1	
Acres			10	
Open space acres maintained				
#			1	
Acres			300	
Open space acres that your agency mows			20	
Acres of farmland maintained by your agency			10	
Total historic Properties			3	
Total Historic buildings				
#			2	
Sq. Ft.			1,700	
Total historic sites				
#			3	
Acres			8	
Total Cultural landscapes				
#			1	
Acres			5	
Natural Conservation Areas				
#			1	
Acres			200	

Nature centers				
#				0
Sq. Ft.				
Historic museums				
#			1	
Sq. Ft.			850	
Total visitor contacts for all sites				
Total Annual Visitor Contacts for Historic sites				
Total historic site programs or tours				
#			2	
visitor contacts				
Total Annual Visitor Contacts for Natural sites				
Total Natural History/ Nature study programs or tours				
#			45	
visitor contacts				
Special Events sponsored				
#			3	
visitor contacts				

