



ROANE COUNTY TENNESSEE

10 YEAR PARKS & RECREATION MASTER PLAN

JANUARY 2020



ACKNOWLEDGMENTS

Ron Woody, Roane County Executive Director

Mike Beard, Roane County Parks and Recreation Director

Timothy Neal, City of Kingston Mayor

Mike "Brillo" Miller, City of Rockwood Mayor

Special Thanks to the following for their efforts and contributions

Chase Clem, Kingston Parks and Recreation Director

Becky Ruppe, Rockwood City Administrator / Coordinator

Amber Cofer, Roane County Executive Assistant

Jamie Kinard, Roane County Grant Administrator

Connie Cook, Roane County Director of Accounts and Budgets

Carolyn Brewer, Director of Kingston Finance Department

Pam May, President of The Roane Alliance

ROANE COUNTY TENNESSEE

10 YEAR PARKS & RECREATION MASTER PLAN

JANUARY 2020

PREPARED BY



Table of Contents

ACKNOWLEDGMENTS

1 INTRODUCTION 7

- 1.1 General Benefits of Parks and Recreation
- 1.2 Plan Origin and Planning Process
- 1.3 Parks and Recreation in Roane County
- 1.4 Other Planning Studies Consulted

2 EXECUTIVE SUMMARY 13

3 EXISTING CONDITIONS 19

- 3.1 Demographics
 - 3.1.1 Population Health Data
 - 3.1.2 Roane County
 - 3.1.3 Kingston
 - 3.1.4 Rockwood
- 3.2 Regional Context
- 3.3 Existing Park and Recreation Facilities
 - 3.3.1 Roane County Park
 - 3.3.2 Kingston Parks
 - 3.3.3 Rockwood Parks
 - 3.3.4 Blueways, Greenways, and Trails
 - TN RiverLine 652*
 - Oak Ridge Natural Asset Plan*
 - Caney Creek Recreation Area*
- 3.4 Programs and Community Events
 - 3.4.1 Recreational Programs
 - 3.4.2 Community Events
- 3.5 Administration, Budgeting and Management
 - 3.5.1 Roane County
 - 3.5.2 Region-Wide Budget

4 PUBLIC INPUT 59

- 4.1 Citizen Survey Results
- 4.2 Community Meeting Feedback
- 4.3 Draft Plan Meeting Feedback

5 NEEDS ASSESSMENT 67

- 5.1 Existing Conditions Assessment
 - 5.1.1 Roane County
 - Roane County Park*
 - Riley Creek Campground*
 - Swan Pond Sports Complex*
 - Emory Gap Park*
 - Caney Creek Boat Access Area*

- 5.1.2 Kingston
 - 58 Landing and Fort Paws Dog Park*
 - Alton Byrd Park*
 - Downtown Dock*
 - Fort Southwest Point Park*
 - Gertrude Porter Park*
 - Gravel Pit Park*
 - Kingston City Park*
 - Kingston Community Center*
 - Ladd Park*
 - Lakewood Park*
- 5.1.3 Rockwood
 - Brickyard Springs Park and J.B. Olinger Park*
 - Dr Tom Fuller Memorial Park*
 - Mike Brillo Miller Sports Complex*
 - Rockwood Tennis and Basketball*
 - Rockwood Community Center*

5.2 National Metrics

5.3 Community Comparison

- 5.3.1 Roane County
- 5.3.2 Cities of Kingston and Rockwood

5.4 Public Input Priorities

5.5 Prioritization of Needs

- 5.5.1 Primary Health Priorities
- 5.5.2 Health Priority Matrix
- 5.5.3 Roane County Parks

6 CONCEPT PLANS **109**

7 5-YEAR BUDGET PLAN **149**

- 7.1 Roane County**
- 7.2 Kingston**
- 7.3 Rockwood**

8 RECOMMENDATIONS **155**

- 8.1 Existing and Future Facilities**
- 8.2 Programming, Organizational, and O&M**

9 SOURCES **161**

APPENDICES (AVAILABLE UPON REQUEST)

- APPENDIX A: PARKS AND RECREATION BUDGETS**
- APPENDIX B: ROANE County PARKS AND RECREATION SURVEY**
- APPENDIX C: NOTIFICATIONS AND SIGN IN SHEETS**
- APPENDIX D: HEALTH DESIGN ASSESSMENT REPORT**
- APPENDIX E: ON-SITE CHECKLISTS AND ARCHITECTURAL EVALUATION**





Introduction

1 Introduction

1.1 GENERAL BENEFITS OF PARKS AND RECREATION

Parks play an important role in any community. They serve as places to gather, relax, compete, play, stroll, and learn. Research shows that contact with the natural world improves physical and psychological health. Additionally, physical exercise has been proven to increase health and reduce the risk of diseases. Physical activity also relieves anxiety, improves mood, and enhances psychological well-being.

Evidence indicates when people have access to parks, they exercise more. Without accessible parks and open space, people are less likely to exercise regularly. City, suburb, and county residents should be provided park space close to home. As baby boomers grow into retirement years and the life expectancy of all generations continues to increase, the need for parks and recreation space that meets the needs of seniors will increase. As development continues to sprawl throughout the countryside, the preservation of natural areas will be more and more important.

According to the Tennessee Department of Health, Tennessee ranks 42nd among the 50 states in overall health, as reported by America's Health Rankings. According to the Population



Just as water, sewer, and public safety are considered essential public services, parks are vitally important to establishing and maintaining the quality of life in a community, ensuring the health of families and youth, and contributing to economic and environmental well-being of a community and region.

There are no communities that pride themselves on their quality of life, promote themselves as a desirable location for businesses to relocate, or maintain that they are environmental stewards of their natural resources, without such communities having a robust, active system of parks and recreation programs for public use and enjoyment.

- National Recreation and Park Association, *Why Parks and Recreation are Essential Public Services*

Health Institute, Roane County ranks 28th among Tennessee's 95 counties for health factors. With these statistics in mind, planning for parks and recreation may be particularly important to promoting healthy lifestyles in Roane County.

1.2 PLAN ORIGIN AND PLANNING PROCESS

In 2018, Roane County was awarded a Tennessee Department of Health Grant. The purpose of the grant is to award funding to communities to plan, develop, and assess sustainable projects and programs to increase access to safe and publicly—accessible opportunities for physical activity for a diverse group of users, including those who live, visit, work, play, worship and learn in the community. The County received the grant for a trail master plan. About the same time, IBI Placemaking also initiated conversations with the County relative to a County wide parks and recreation 10-year Master Plan.

IBI Placemaking was on a team of professional consultants that had completed seven city, County, and city/County partnership parks and recreation plans in 2018. The seven local governments or partnerships were located in distressed counties that received funding through the Tennessee Department of Environment and Conversation (TDEC). The state created the new grant program specifically to assist distressed or “Tier 4” counties with the department’s requirement that local governments undertake a planning process in order to receive grant funding through various grant programs available for parks, trails, and greenways. Roane County invited IBI Placemaking to submit proposals for both a County wide trails and Greenways Master Plan funded by TDH, and a County Wide 10 Year Parks and Recreation Master plan funded by the Counties General Funds.

Consequently, the County signed a contract with the team of IBI Placemaking, assisted by Brown, Pearman, Russell LLC—a Knoxville based planning firm, and MBI Companies, Inc—a Knoxville architectural firm to complete a 10 Year Parks and Recreation Master Plan in January 2019 for \$45,000. In April of 2019, the County contracted with IBI Placemaking to provide services in the amount of \$31,500 for completion of a trails and Greenways Master Plan. In the weeks that followed, and in accordance with the constructing parameters suggested by TDEC, the County invited each city within Roane County to participate in the planning process for an additional \$5,000 per city. Both the City of Kingston and the City of Rockwood made the decision to participate.

Roane County is not a distressed County according to the State's Department of Economic and Community Development's guidelines, and therefore was not eligible to participate in TDEC's 2017 funding round for Parks and Recreation Master Plan Grants. However, to ensure that County and Cities in the County would continue benefiting from the State's other available grants, the County decided to follow the same planning process guidelines managed by the state's 2017 Parks and Recreation Master Plan Grant Project Manual.

The planning process began on March 21, 2019 with a kick-off meeting held with County officials at The Cottage in Roane County Park. Over the following months, site visits were conducted to document existing conditions at all the existing park and recreation facilities within Roane County. The preparation of the Master Plan utilized an open planning process to gain public input and consensus on the results. Surveys were developed to gather community input on existing facilities and priorities for future improvements and new developments. The surveys were distributed in paper format at various public locations, such as the Roane County Courthouse, and the City Halls. They could also be filled out online. The surveys were available in March and April of 2019. In the end, over 231 surveys were filled out and collected, and the results were tabulated. Public workshops were held in June of 2019 to present tabulated survey results, information collected on existing parks and recreation facilities in Roane County, and gain input on recreation needs and priorities from the public. A public meeting was held again in September and October, 2019 to present and gain input on the draft plan.

Between March 2019 and September 2019, the planning team studied existing conditions, analyzed trends and projections, collected public feedback, and developed financial strategies for plan implementation. The following bullets summarize the steps taken by the planning team during this time:

- Collected and evaluated information related to the inventory of existing Roane County park and recreational facilities
- Collected and evaluated information regarding existing recreational programs and facilities provided by other groups such as other public, voluntary and community facilities.
- Identified and evaluated expectant life and replacement costs for existing facilities.
- Identified and evaluated the adequacy of facility programs and uses, and the potential for expansion.
- Collected and evaluated information related to past and projected changes in the County, Kingston, and Rockwood's population and demographics.
- Compared existing recreation land and facilities offered by similarly sized communities across the State and Nation. Using these comparisons, prepared a summary of current parks and recreation shortfalls and future needs.

- Gathered public input on parks and recreational needs through public opinion surveys, public meetings, and interviews.
- Prepared recommendations for refurbishment and expansion of existing facilities, as well as for new facilities and programs.
- Prepared recommendations for capital improvements for the short term (1-2 years), mid-term (3-5 years), and long term (6-10 years).

1.3 PARKS AND RECREATION IN ROANE COUNTY

Roane County

Roane County's area is 395 square miles, of which 34 square miles or 8.7% is covered by water. The latest population estimate as of 2018, is 53,140. Three rivers, The Tennessee, the Clinch, and the Emory River pass through the County. The three rivers are mostly impounded by the Watts Bar Dam which created Watts Bar Lake, the most predominate recreation resource in the County. Six percent of the Tennessee River is in Roane County. Roane County straddles the geographic boundary between the Tennessee Valley and the Cumberland Plateau and is centrally located within the Valley. Roane County is bordered by eight adjacent counties. The County contains seven state protected areas:

- Campbell Bend Barrens State Natural Area
- Crowder Cemetery State Natural Area
- Kingston Refuge
- McGlothlin Largen Wildlife Management Area
- Mount Roosevelt Wildlife Management Area (part)
- Paint Rock Refuge
- Watts Bar Wild

Roane County was created by the Tennessee General Assembly in 1801, and named for Archibald Roane, the second Governor of Tennessee. In the years following the Civil War, the County grew into a major iron and coal mining center with the establishment of the Roane Iron Company. Iron ore and coal were mined on Walden Ridge and shipped to Rockwood, where the ore was converted into pig iron and then shipped to the rolling mills in Knoxville, Chattanooga, in addition to the City of Rockwood.

Other cities in the County include Harriman (a small portion of which is in Morgan County), Kingston (the County seat), a small portion of the City of Oak Ridge, and a portion of Oliver Springs. As partners with the County, both Kingston and Rockwood chose to participate in the parks and recreation planning process. Since the 1930's and 40's, the creation of the Tennessee Valley Authority and the Manhattan Project, both significant federal initiatives, have

had a tremendous impact on the development of the County. The Watts Bar Dam, completed in 1942 and located in Rhea County just south of Roane creates Watts Bar Lake, the main body of water in the region and accounts for substantial recreation activities in Roane County.

Roane County Park is an area of 36.33 acres located on an embankment of Watts Bar Lake and is the County's most popular park. The land for the park was transferred to the County by a TVA transfer document dated September 1960. This transfer of 183 acres by TVA resulted in the development of Roane County's first park. The County designated the 36+ acres as the most suitable for development and has constructed improvements to the park over the last fifty years utilizing County funds as well as assistance from TVA and other State and Federal agencies. The park provides many amenities including a walking trail, ball fields, beach/swimming area, splash pad, picnic area and pavilions, playground, tennis and basketball courts, and water activities such as kayaking, and paddle boarding.

The County operates by license agreement a TVA property, Riley Creek Campground. The 81.45 acres peninsula on Watts Bar provides camping, a pavilion and picnic area, plus a boat ramp and a fishing pier. The County has developed three other parks over the last few decades including the 56 acre Swan Pond Park (Soccer fields, walking trail and shelter), the 1.5 acre Emory Gap Neighborhood Park (Playground, basketball court, shelter and picnic tables) and the 3.4 acre Caney Creek Boat Ramp with lake access by boat ramp for various size and types of water craft. In total, the County provides over 178 acres of developed parks and recreational assets.

City of Kingston

The City of Kingston encompasses an area of 7.8 square miles, and an estimated population of 5,825 in 2018. The City is the County seat and is located adjacent to Watts Bar Lake. The City has a rich history and its roots in Fort Southwest Point, which was built just south of present day Kingston in 1792. Kingston was named after Major Robert King, an officer on the fort in the 1790's and was officially established in 1799. Parks are in every square mile of the City.

The City of Kingston operates a variety of recreational and leisure facilities for the enjoyment of its residents and guests. Most of the facilities are located around the shoreline of Watts Bar Lake, Alton E. Byrd Park (3 acres) has a ballfield, parking lot, pavilion, picnic area, and grills. Kingston City Park (1.6 acres) has two children's playgrounds, tennis courts, sand volleyball, a basketball court, picnic tables,

grills, pavilion, restrooms, boat ramps, and docks. Fort Southwest Point Sports Complex (36.7 acres) offers lighted baseball and softball fields, bleachers, press box and concession, 400-meter 8-lane track, soccer field, and newly constructed amphitheater. The site is also home to a reconstruction of the original Fort Southwest Point and museum. Other facilities offered by the City, include Gertrude Porter Memorial Park (3.3 acres), which provides a playground, multi-purpose field, and basketball court; 58 landing and Fort Paws Dog Park (approximately 2 acres), a lake front picnic area with a boat dock and ramp to a boat tie up. The Downtown Dock, a boat dock adjacent to the downtown wading trail named the Betty Brown Memorial Trail; and Lakewood Park (1.3) acres, an ADA accessible kayak launch and parking lot are located between the HWY-58 and Interstate I-40 right of way.

The Community Center offers a large central meeting room, kitchen, and a variety of activity rooms. The community center also houses the Kingston Recreation Department administrative offices. An outdoor pool and tennis courts are located at the 2.8 acre site. Directly across from Hwy-58 from the Community Center is Gravel Pit Park, also on the shoreline of Watts Bar Lake (.6 acres). The park's amenities include a lakeshore path, parking lot, brick pavilion, picnic area, and boat ramp, and fishing pier. In total, the City of Kingston provides a total of 60 acres of parks and recreation facilities across 10 sites plus 1.75 miles of shoreline pathway between downtown and the Southwest Point Sports complex.

City of Rockwood

Rockwood is situated at the base of the eastern escarpment of the Cumberland Plateau, known locally as the Walden Ridge. The Watts Bar Lake impoundment of the Tennessee River provides much of Rockwood's southern boundary. The city encompasses 7.9 square miles and according to the latest census estimate of 2018, has a population of 5,452. A Cherokee village was once situated in what is now Rockwood, and was the headquarters of Chief Tallentuskie in the late 18th and early 19th centuries. Early settlers constructed Fort Southwest Point across the Tennessee River in present day City of Kingston. Established in 1868 and incorporated in 1890. Union General John T. Wilder, founder of Roane Iron Company, purchased 900 acres at what is now Rockwood, selecting the location due to the ore and coal resources at the base of Walden Ridge. Rockwood Mills, which manufactured hosiery, opened in 1905 and Rockwood Stove works began production in 1916. Like other Roane County communities, Rockwood's economy was boosted by the government's construction of nearby Oak Ridge and TVA's Watts Bar Dam during World War II.

The City's recreation opportunities are plentiful, including the Mike "Brillo" Sports Complex, the largest baseball and softball complex in the County (34 acres). Located at the southern end of the city limits, the facility provides five ballfields, press box, concession and restrooms, pavilion, playground, and soccer field. There is ample paved parking for tournaments and wooded trails and paths winding into the forested base of Mount Roosevelt atop the Cumberland Plateau. Adjacent to downtown are the Rockwood Tennis and Basketball courts (2.3 acres). The facility includes three lighted basketball and two paved tennis courts. The Rockwood Community Center (1.6 acres) has an indoor gymnasium/basketball court and meeting rooms plus an outdoor community pool. Brickyard Springs and J.B. Olinger Field (5.6 acres) provides a ball field and basketball court with a pavilion and a restroom/concessions building.

Rockwood's Tom Fuller "Waterfront" Park is comprised of approximately 55 acres that includes a 2-lane concrete ramp with ample parking, fishing piers, floating docks, a swimming area, picnic tables, concessions with restrooms, and a pavilion. Located on the shores of Watts Bar Lake, the park has the largest boat launch in the County and its docks are accessible. The park was established by a transfer document to the City by TVA dated April 4, 1951. Currently, with funding made available by the City and a Tennessee Department of Transportation (TDOT) enhancement grant construction is underway on multi-modal sidewalks and greenways that will connect downtown to the City's waterfront. In total the City of Rockwood provides approximately 196 acres of parks and recreation amenities to the public.

1.4 OTHER PLANNING STUDIES REVIEWED

Several other planning studies provided guidance and insight during the planning process. The documents and efforts were valuable tools during the development of the Roane County 10-year Parks and Recreation Master Plan. Those documents include:

- Watts Bar Reservoir Land Management Plan February 2009, Tennessee Valley Authority
- Tennessee State Wildlife Action Plan, 2015, Tennessee Wildlife Resource Agency
- Tennessee State Parks Business and Management Plan, March 2013, Tennessee Department of Environment and Conservation
- Frozen Head State Park Business & Management Plan, 2019, Frozen Head State Park MDS
- Tennessee 2020, Vision for Parks, People, and Landscapes, Status Review and Update, 2015 – 2020, November 2016, Tennessee Department of Environment and Conservation
- TWRA 2014-2020 Strategic Plan





2

Executive Summary



2 Executive Summary

The first Euro-American settlers in present day Roane County found a well-established Cherokee population living along the banks of the Tennessee River, where Fort Southwest Point was constructed in 1792. After the Civil War, Union officers and industrialists began mining iron ore from Walden's Ridge and Roane Iron Works in Rockwood, introducing industrial manufacturing to the region. The local economy continued along an agricultural and manufacturing trend until the federal government's intervention in the 1930's and early 1940's. The government's response to the Great Depression and World War II resulted in the creation of Oak Ridge as part of the Manhattan Project, and construction of Watt's Bar Dam completed in 1942. The labor market evolved from a dawn to dusk workforce for a skilled set of employees eager for leisure time activities during non-working hours. The local communities took advantage of a new reservoir and worked with TVA to develop new sources of recreation for its residents. Local government in Roane County took advantage of state and federal grants to construct parks, playgrounds, and other facilities to fill the demand for leisure time, play, and recreation.

As mentioned, the consequences of Watts Bar Dam and nearby Fort Loudon and Norris Dam's reservoirs were the sudden availability of huge new assets providing a variety of recreational opportunities never before available. Lake fishing, boating, swimming and camping became not only local activities, but a draw for tourists from out-side the region, altering the local economy and creating a hospitality industry based on the County's inventory of outdoor assets. New regional initiatives are currently emerging based on these same blueway and reservoir assets. Roane County is one of five pilot communities selected for the Tennessee RiverLine 652 initiative. The goal of the Tennessee RiverLine is to promote the entire 652 mile length of the Tennessee River, from Knoxville, TN to Paducah, KY and its shores as a regional multi-modal trail system and foster tourism and recreational development.

In 2018, Roane County was awarded an "Access to Health Through Healthy Active Built Environment" Grant through the Tennessee Department of Health (TDH) and hired a consulting team to assist the County. The County elected to expand the planning process and invited the cities in the County to participate in the development of a 10 Year Parks and Recreation Master Plan. Since the Spring of 2019, the County along with the cities of Kingston and Rockwood and the consulting team have undertaken a systematic approach to evaluating parks in the County and participating cities and

developing strategies to ensure that their park and recreation assets continue to play a vital role in their future. The ultimate goal is to create a plan that will guide Roane County, the City of Kingston, and the City of Rockwood in prioritizing future needs, improvements to existing facilities and programs, and financing strategies to maintain and improve their parks and recreation resources.

The project also incorporated community health analysis and design assessment within the planning process. Identifying community health needs and influencing factors impacted by parks and recreation projects provides the opportunity to positively impact health outcomes. A Roane County Parks and Recreation and Health Design Assessment (HDA) was conducted in coordination with the Roane County 10-Year Parks and Recreation Master Planning project to assist in identifying and translating relevant health data and demographic analysis into advantageous planning and prioritization for the Master Plan. The HDA is utilized to guide project planning and alternatives to support strategies that promote improved health outcomes in Roane County.

An extensive public input process was initiated in the early stages of the plan. As part of this input process, a community wide survey was undertaken; two public input workshops were conducted to discuss results of the survey and to gather more input; and interviews were conducted with stakeholders, civic organizations, and the County's and Cities' staff. Comparisons to other similarly sized communities in Tennessee and across the nation were conducted. The information from these steps in the planning process became the basis for a needs assessment to determine existing and future needs at the parks. The assessment included a prioritization of improvements to be made in the short term, medium term, and long term within the next ten years. The plan elements were then graphically depicted in a Draft Concept Plan. This Draft Concept Plan was presented to the public at a meeting, and the participants were asked for their input on the suggested elements of the plan. Once these suggested elements of the Draft Plan had been confirmed, the consulting team determined probable costs associated with these plan elements. An analysis was made of the local jurisdiction's financial capability to fund the planned improvements, and strategies were developed to best leverage local resources, grant opportunities, and long term debt. An evaluation was also made of the cities' and County's programs, organizational structure, and management capabilities. All of these elements were examined and this culminated in the final recommendations of the plan.

The recommendations of this plan have the overall goal of maintaining and improving parks and recreational facilities within Roane County to provide leisure time and active recreation for the County and its cities' population. The recommendations provided are for both physical improvements and organizational, management, and long term maintenance improvements. The recommendations can be grouped into two categories:

Physical Improvements:

- ADA Compliance and Improved Accessibility at All Parks to Improve Community Health
- Upgrades to Existing Parks
- Expansion of Existing Parks
- Continue Active Participation in New Regional Planning Initiatives
- Explore Connection to Cumberland Trail State Park
- Pedestrian Crossing in Kingston on Highway 70

Programming, Organizational, and Long-Term Maintenance:

- Benchmarking
- Formalize Joint Use Agreements
- Explore the Creation of a County-Wide "Sports Foundation"
- Update Websites and Wayfinding
- Investigate a Native American Heritage Memorial





Roane



3

Existing Conditions



3 EXISTING CONDITIONS

3.1 DEMOGRAPHICS

The demographics of an area have an impact on the use of park and recreation facilities and the need for new or changing facilities in the future. For example, if a population is aging, a plan for park and recreation improvements should provide for the needs of an older population. The following are population trends and projections, age and education, employment and income, and housing characteristics for Roane County, City of Kingston, and the City of Rockwood. Unless otherwise indicated, all demographic information presented below was collected from the U.S. Census.¹ *See pg.159 for sources cited*

Fishing Pier at Gravel Pit Park- Kingston, TN



3.1.1 POPULATION HEALTH DATA

Public Parks and Recreation Facilities support communities through a host of benefits to health and wellness. Parks have been shown to increase rates of physical activity in the form of recreation as well as through active transportation, improve mental health outcomes, and reduce chronic disease in user populations. In an effort to best leverage public investment for community health outcomes, a review of Roane County health data was completed to identify health issues in Roane County that can be impacted through Parks and Recreation Facilities planning efforts. Presented below are leading health issues in Roane County.

ROANE COUNTY HEALTH ISSUES				
MEASURE	DESCRIPTION	ROANE CO.	TN	US
Cardiovascular Disease Death Rate	Total cardiovascular disease death rate per 100,000 in adults ages 35 and older	484.4	514	462.2
Cancer	# of new cases reported for every 100,000 people	465	463	448
Diabetes	% of adults aged 20 and above with diagnosed diabetes,	16%	13%	8.7%
Mental Health	Average number of mentally unhealthy days reported in the past 30 days	4.8	4.5	3.8

Roane County has increased rates of cardiovascular disease, cancer, and diabetes. On average, Roane County residents also experience a higher number of “mentally unhealthy” days each month compared to Tennessee and US averages. Roane County residents experience a lower life expectancy when compared to Tennessee and US rates.

INFLUENCING HEALTH CONCERNS				
MEASURE	DESCRIPTION	ROANE CO.	TN	US
Physical Inactivity	% of adults aged 20 and older reporting no leisure time physical activity	22.3%	27%	22%
Adult Obesity	% of adults aged 20 and older that report a BMI > 30	35%	33%	29%

Over 35% of Roane County residents (over the age of 20) are obese, and over 22% of County residents report to engage in no leisure time activity. Physical inactivity and overweight/obesity are both influencing concerns in health outcomes related to cardiovascular disease, cancer, mental health and diabetes.

Disparities in health conditions and health outcomes are often observed and related to socioeconomic status as well as among race/ethnicity groups. For example, low income individuals have a higher risk of developing chronic disease, such as heart disease, cancer and diabetes. In addition, African Americans have a higher rate of premature death due to heart disease or stroke than Caucasians. The death rate from diabetes is two times higher for African-America women than for white women. Due to disparities seen among various communities of people, it is important to identify the demographics within and among the community.

3.1.2 ROANE COUNTY

The estimated population of Roane County in 2018 was 53,140. Roane covers an area of 360.71 square miles. Therefore, the population density is 150.2 persons per square mile. The population is comprised of an estimated 94% Caucasian, 3% African American, .3% Native American, .5% Asian, .2% from other races, and 2% two or more races. Hispanic or Latino of any race comprise 1.3% of the population.

Between 2010 and 2018, the estimated population of the County decreased 2% from 54,199 to 53,140. Over the same eight-years, the estimated statewide population grew by 4%, and the estimated nationwide population grew by 6%. According to researchers at the University of Tennessee, over a ten-year period from 2016 through 2025, the population of the County is projected to decrease by another 1% to a population of 52,608. Over the same period, the statewide population is projected to grow by 9%, and the national population is projected to grow by 5%. Between 2009 and 2016, the estimated median age in Roane County increased from 43 to 46. Estimated statewide and nationwide median age in 2016 was 38 years.³

POPULATION

53,140 CITIZENS

360.71 SQUARE MILES

150.2 PERSONS PER SQUARE MILE

ROANE COUNTY POPULATION & AGE			
	ROANE CO.	TENNESSEE	U.S.
% Population growth, 2009–2016	-2%	4%	6%
% Population growth, 2016–2025	-1%	9%	5%
Estimated median age 2016	46yrs	38 yrs	38 yrs

A large majority (86.7%) of the adult population in Roane County aged 25 and older has at least a high school education. However, the portion of those who have at least an associate degree in Roane County (19.3%) is lower than the portion who have at least an associate’s degree statewide (53%) or nationally (59%). Between 2009 and 2016, employment decreased by about 3% in Roane County. Over the same period, employment decreased by about 2% statewide and nationwide. Household incomes in Roane County grew faster than they did at the statewide level, increasing an estimated 9% between 2009 and 2016. Over this same period, statewide and nationwide household incomes grew by an estimated 8%.⁴

ROANE COUNTY EDUCATION, EMPLOYMENT, & INCOME			
	ROANE CO.	TENNESSEE	U.S.
% Obtained associate’s degree or higher	19.3%	53%	59%
Employment change 2009-2016	-3%	-2%	-2%
Household income change 2009-2016	9%	8%	8%

Median home values in Roane County increased by \$30,000 over the last 10 years, while statewide, median home values increased by \$17,500. Roane County is a mostly rural County, and the trends between Roane County and the statewide average follow the trend of rural vs. urban home values across the U.S. In 2010 median home value for rural communities was \$151,300, compared to \$190,900 for urban communities, a 26% difference. New home construction within Roane County has been at a moderate rate of one hundred twenty four (124) new houses per year over the last ten years.

3.1.3 KINGSTON

The estimated population of the Town of Kingston in 2018 was 5,825. Kingston covers an area of 7.10 square miles, and therefore has population of 835 persons per square mile. The population is comprised of an estimated 91% Caucasian, 5% African American, 0% American Indian,2% Asian, 0% from other races, and 0% two or more races. Hispanic or Latino of any race comprise 2% of the population.⁵

Between 2007 and 2016, the estimated population of Kingston decreased 2.3% from 5,962 to 5,825. Over the same 10-years, estimated statewide population grew by 7%, and the estimated nationwide population grew by 6%. According to researchers at the University of Tennessee, over the 10-year period from 2016 through 2025, the population of Kingston is projected to increase by another 7% to a population of 8,483. Over the same period, the statewide population is projected to grow by 9%, and the national population is projected to grow by 5%. Between 2007 and 2016, the estimated median age in Kingston decreased from 38 to 36. Estimated statewide and nationwide median age in 2016 was 38 years.⁶

POPULATION

5,825 CITIZENS

7.10 SQUARE MILES

835 PERSONS PER SQUARE MILE

KINGSTON POPULATION & AGE			
	KINGSTON	TENNESSEE	U.S.
% Population growth, 2009–2016	-2.3%	4%	6%
% Population growth, 2016–2025	7%	9%	5%
Estimated median age 2016	48 yrs	38 yrs	38 yrs

A large majority (>80%) of the adult population in Kingston aged 25 and older had at least a high school education. However, the portion of those who have at least an associate's degree in Kingston (11%) is lower than the portion who have at least an associate's degree statewide (53%), or nationally (59%). Between 2007 and 2016, employment increased by about 3% in Kingston. Over the same period, employment decreased by about 2% statewide. Household incomes in Kingston grew faster than they did at the statewide level, increasing an estimated 22% between 2007 and 2016 compared to the nationwide and statewide growth of 8% over that same period.⁷

KINGSTON EDUCATION, EMPLOYMENT, & INCOME			
	KINGSTON	TENNESSEE	U.S.
% Obtained associate's degree or higher	11%	53%	59%
Employment change 2009-2016	3%	-2%	-2%
Household income change 2009-2016	22%	8%	8%

Median home values in Kingston increased by \$32,800 over the last 10 years, while statewide, median home values increased by \$17,500. New home construction in Kingston has been at a moderate rate of one twenty (20) new houses per year over the last ten years. The current administration has not indicated a desire for any annexations within the foreseeable future.

3.1.4 ROCKWOOD

The estimated population of the City of Rockwood in 2018 was 5,452. Rockwood covers an area of 7.10 square miles, and therefore has population of 835 persons per square mile. The population is comprised of an estimated 90% Caucasian, 3% African American, 0% American Indian, 2% Asian, 0% from other races, and 3% two or more races. Hispanic or Latino of any race comprise 3% of the population.⁸

ROCKWOOD POPULATION AND AGE			
	ROCKWOOD	TENNESSEE	U.S.
% Population growth, 2009–2016	-2%	4%	6%
% Population growth, 2016–2025	-2%	9%	5%
Estimated median age 2016	46 yrs	38 yrs	38 yrs

POPULATION

5,452 CITIZENS

7.10 SQUARE MILES

835 PERSONS PER SQUARE MILE

Between 2007 and 2016, the estimated population of Rockwood decreased 2% from 5,566 to 5,452. Over the same 10-years, estimated statewide population grew by 7%, and the estimated nationwide population grew by 6%. According to researchers at the University of Tennessee, over a 10-year period from 2016 through 2025, the population of Rockwood is projected to decrease by another 2%. Over the same period, the statewide population is projected to grow by 9%, and the national population is projected to grow by 5%. Between 2007 and 2016, the estimated median age in Rockwood of 46.8. Estimated statewide and nationwide median age in 2016 was 38 years.⁹

ROCKWOOD EDUCATION, EMPLOYMENT, & INCOME			
	ROCKWOOD	TENNESSEE	U.S.
% Obtained associate's degree or higher	11%	53%	59%
Employment change 2009–2016	-3%	-2%	-2%
Household income change 2009–2016	26%	8%	8%

A large majority (>81%) of the adult population in Rockwood aged 25 and older had at least a high school education. However, the portion of those who have at least an associate's degree in Rockwood (11%) is lower than the portion who have at least an associate's degree statewide (53%), or nationally (59%). Between 2007 and 2016, employment decreased by about 3% in Rockwood. Over the same period, employment decreased by about 2% statewide. Household incomes in Rockwood grew faster than they did at the statewide level, increasing an estimated 26% between 2007 and 2016 compared to the nationwide and statewide growth of 8% over that same period.¹⁰

Median home values in Rockwood increased by \$5,572 over the last 10 years, while statewide, median home values increased by \$17,500. The housing stock in Rockwood decreased by almost thirty (30) units per year over the last ten years.¹¹ The current administration has not indicated a desire for any annexations within the foreseeable future.

3.2 REGIONAL CONTEXT

Roane County is centrally located in the East Tennessee Valley and along the eastern edge of the Cumberland Plateau. The western border of the County lies along the Walden Ridge escarpment. Interstate 40 traverses east and west through the County and provides excellent views atop the ridge into and across the valley to the Appalachian mountain range and the Smoky Mountains. The interstate is one of the most traveled highways in the County, and is the third-longest in the US at 2,559.2 miles in length, providing tremendous exposure and opportunity for the Roane County economy. I-40 is also the link to the national population's access to the many regional assets within and surrounding the County. Figure 3.1 is a map indicating the location of those significant assets maintained by non-profits, federal, state, and local governments. Of those assets, including Watts Bar Lake and the recently designated Manhattan Project National Historic Park, there are many other locations that provide outdoor recreation and exposure to scenic vistas, wildlife, and the natural environment these include several state parks and wildlife management areas provided by the State of Tennessee.

Watts Bar Lake

Watts Bar Dam, located midway between Knoxville and Chattanooga, is one of the nine TVA dams on the Tennessee River. Completed in 1942, the Dam's reservoir, Watts Bar Lake provides 722 miles of shoreline, 39,000 acres of water surface and is on one of the largest bodies of water in the southeastern United States. Watts Bar Lake provides a variety of recreational play from paddling, swimming, boating, camping and fishing. Anglers can cast a line in the wide-open flats or the winding river channels and expect to catch hump crappie, lunger, largemouth bass, small mouth bass, trophy stripes and a wide array of freshwater fish. Fishing tournaments are popular on the lake year round. According to the Tennessee Wildlife Resource Agency (TWRA), there are (30) boat ramps and access areas on Watts Bar Lake above the Watts Bar Dam and below Fort Loudon Dam. There are eighteen (18) identified marinas along the same stretch of the Tennessee River.

Watts Bar Dam- www.visitknoxville.com



Manhattan Project National Historic Park – Oak Ridge Site

The Manhattan Project National Historic Park is a United States National Park commemorating the Manhattan Project. It is funded jointly by the National Park Service and the Department of Energy. The park consists of three sites (one in Oak Ridge, TN, one in Los Alamos, NM and one in Hanford, WA). The park was established on November 10, 2015 when the secretaries of the US Department of Interior and Energy signed the Memorandum of Agreement that defined the roles that the two agencies have when managing the park.

The Clinton Engineer Works, which became the Oak Ridge Reservation, was the administrative and military headquarters for the Manhattan Project and home to more than 75,000 people who built and operated the city and industrial complex in the hills of East Tennessee. The Oak Ridge Reservation included three parallel industrial processes for uranium enrichment and experimental plutonium production. The Oak Ridge Site Includes:

- X-10 Graphite Reactor National Historic Landmark;
- Building 9731 and 9204-3 at the Y-12 complex; and the
- K-12 Building site, where gaseous diffusion uranium enrichment technology was pioneered.

Visits to the Oak Ridge Park are by bus tour and there is no private vehicle access to the historic sites. The Oak Ridge Reservation bus tour is included in the price of admission to the American Museum of Science and Energy (<http://amse.org/>), and includes a 3-hour bus tour of:

- X-10 Graphite Reactor
- New Bethel Church at Oak Ridge National Laboratory
- The visitor overlook at the East Tennessee Technology Park (former home to the K-25 gaseous diffusion building)
- Y-12 New Hope History Center

Cauldron operators at the Manhattan Project's Oak Ridge, TN facility in the mid-1940's- US Army photo Ed Westcott



TVA Lakeshore Park

TVA Lakeshore Park opened in 2014 in the Swan Pond community of Harriman. The facility was constructed over the 240 acre containment cell that was part of the clean up effort by TVA to mitigate the effects of 2000 Kingston Fossil Plant coal ash slurry spill. The spill released a slurry of fly ash and water (1.1 billion gallons), which traveled across the Emory River and its Swan Pond embankment, onto the opposite shore, covering up to 300 acres of the surrounding land. It was the largest fly ash release and worst ash-related disaster in US History.

The recreational and restoration features include:

- 2 miles of paved walking trails.
- 3 fishing piers
- 2 courtesy docks (for non-motorized craft)
- Restroom Facility
- Picnic Areas
- Boat Ramp and dock
- Paved Parking Lots
- Pedestrian bridge (that spans the east embankment)
- 900 ft of vegetative wall along the Emory River shoreline
- Approximately 1600 trees planted
- 5 acres of reforestation and wildlife seeding
- Fish attractors

The site is also home to the Gupton Wetlands area, one of the most coveted bird watching areas in the region.



TVA Lakeshore Park- www.roanetourism.com

Camp Buck Toms

Camp Buck Toms is a 614-acre boy scout camp, located just south of Rockwood on the Watts Bar Lake in Roane County. Camp Buck Toms is the pride of the Great Smoky Mountain Boy Scout Council. Unlimited opportunities for adventure and growth await among the scenic hills dotted with Indian mounds and rich in wildlife. Sixteen campsites – each with a mix of four and eight-person Adirondacks (bunk houses) and an 18'x20' shelter with electricity – accommodate more than 600 scouts. The modern, spacious dining hall with full commercial kitchen feeds campers quickly and comfortably. The newly remodeled training center hosts expanded STEM programming, and the Jane Manly Museum preserves the councils ride history.

Program Areas:

- Aquatics
- Camping
- Ecology
- Handicraft
- Health & Safety
- High Adventure
- Scout Craft
- Shooting Sports
- STEM

Facilities:

- Campsites
- Dining Hall
- Training Center
- Chapel
- The Pinnacle
- Jane Manly Museum



Camp Buck Toms- www.easttncscouts.org

Henry / Stafford East Tennessee Agricultural Exposition Center

The Henry/Stafford East Tennessee Agricultural Exposition Center is located on the Roane State Community College Campus in Harriman. From barrel races to rodeos and dog shows to tractor shows – the Expo Center plays hosts to an event nearly every weekend, many of which are free admission. The Expo Center consists of several adjacent facilities on the Roane State Campus.

Main Area

- 72,000 sq. ft
- 120'x240' indoor areas
- Seating for approximately 600
- Holding Area
- Cattle return alley
- Roping chutes
- Cattle pens
- Restrooms
- Conference room
- Show office
- Concession stand
- Lobby
- Office Area
- Large Mezzanine

Barn

- 300 Stalls
- Restrooms/Showers
- Electric and Water hook up for stalls
- Office

Warm Up Arena

- 120'x240'
- Lighted
- Campground
- 47 Camper hook-ups with electric, water and central dump station

Outdoor Arena

- 120'x 240'
- Seating for approximately 300
- Cattle return alley
- Roping chutes
- Cattle pens

from left: Henry / Stafford East Tennessee Agricultural Exposition Center;
Multi-Use Underpass at Roane State Community College



TENNESSEE STATE PARKS



Map of Tennessee State Parks - www.tnstateparks.com

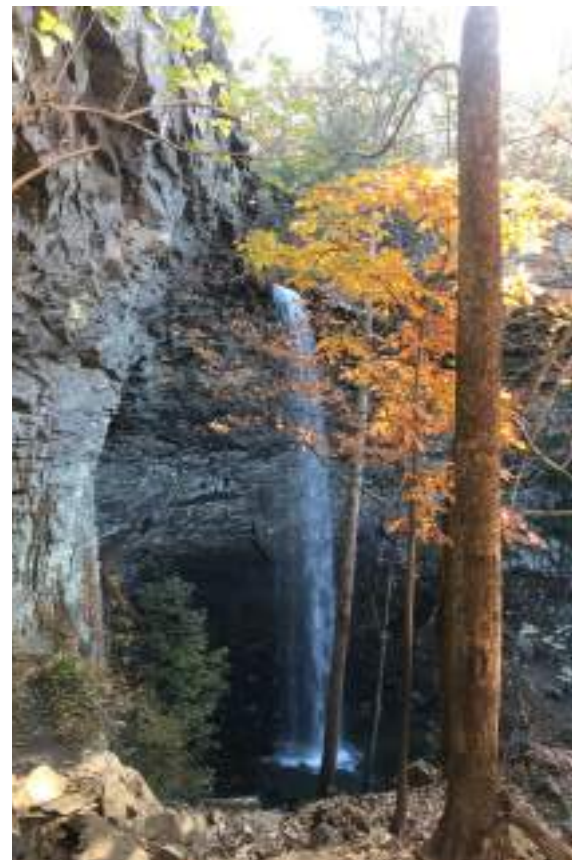
In 1937, Tennessee State Parks were established to protect and preserve the unique natural, cultural and historic resources of Tennessee. The public interest has also been served by a variety of benefits for citizens and communities produced by the state park system, promoting stronger communities and healthier citizens through diverse resource-based recreation while conserving the natural environment. There are 56 park locations across the state that contains 1300 miles of trails, 372 cabins, 36 campground and 80+ waterfalls. While there are no state parks within Roane County there are three located in adjacent counties that are only a short drive for the citizens of Roane County.

Cumberland Trail State Park

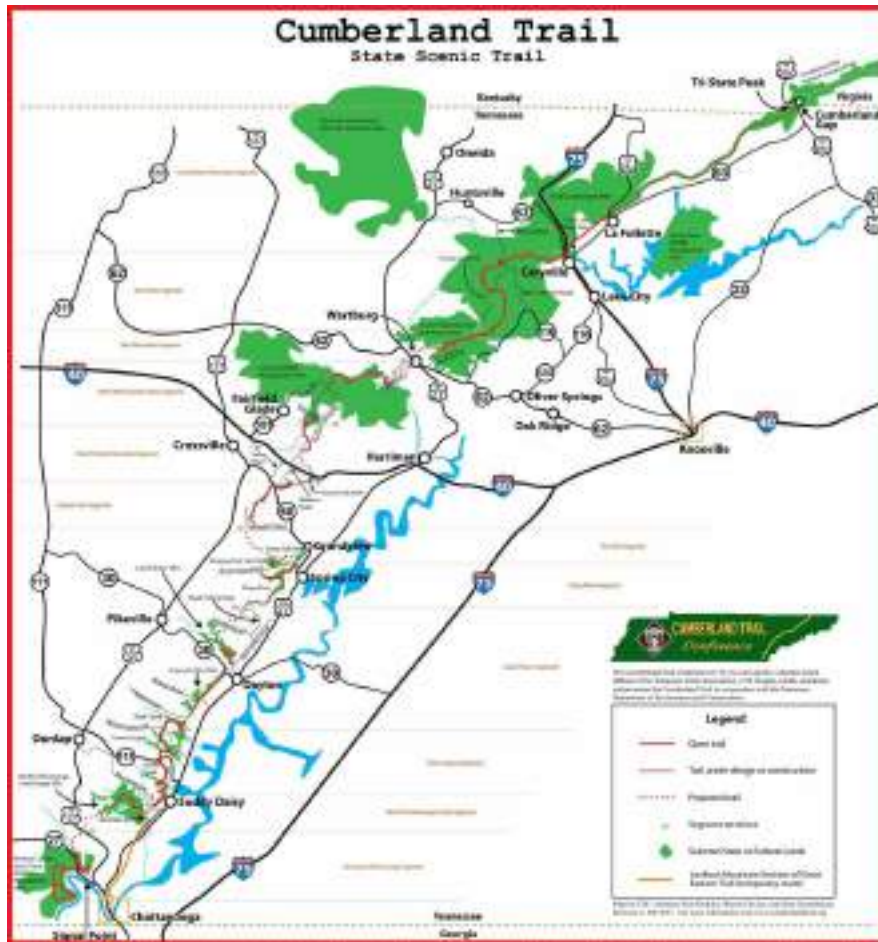
The Justin P. Wilson Cumberland Trail State Park, a Tennessee scenic hiking trail, became Tennessee's 53rd state park in 1998. It is Tennessee's first linear park, spanning 11 Tennessee counties. The Cumberland Trail follows a line of pristine high ridges and deep gorges lying along Tennessee's Cumberland Plateau. The State is continuing to partner with the Cumberland Trails Conference (CTC), and associate organizations of the Tennessee Trails Association and other volunteers to solicit public and private support for the acquisition of additional land along the trail. Once completed, the hiking trail will extend 282 miles from Cumberland Gap, on the Tennessee, Virginia, and Kentucky border to the Tennessee River Gorge, on the Tennessee, Alabama, and Georgia border.

The Cumberland Trail is still under construction but will extend over 330 miles when complete. Of the proposed 330 + miles, over 200 miles and 40 trailheads are open for public use. To organize the acquisition and construction effort, the CT is divided into segments and these are further divided in sections within the segments. The segments with the closet proximity to Roane County run north and south through neighboring Cumberland and Morgan Counties to the west of Roane County and is only a few miles west of Rockwood along Highway 70.

The intention is to make Ozone Falls State Natural Area an integral part of the CT and Northern Terminus of the Grassy Cove Segment. Meanwhile, this 110' waterfall can be found approximately 4 miles east of the Crab Orchard exit of I-40 (exit 329) on State Route 70. There is ample parking and a short walk to the top of the falls. A rocky 800-foot trail takes hikers to the bottom. Trail construction from Black Mountain south to Ozone Falls is currently in progress. When complete the hike from Black Mountain to Ozone will be approximately 6 miles. The next segment North of Ozone Falls is the Crab Orchard Mountain Segment.



Ozone Falls- Cumberland County, TN



Map of Cumberland Trail - www.cumberlandtrail.org

Frozen Head State Park

Frozen Head State Park and Natural Area encompasses more than 24,000 acres of wilderness located in neighboring Morgan County just northwest of Roane County. The park is named for 3,324-foot peak in the Cumberland Mountains which is often shrouded in ice or snow in the winter months. The impressive entrance leads visitors into densely forested mountains once common throughout the Cumberland Plateau. There are 20 primitive tent campsites within the park. Fifty miles of backpacking and day hiking trails provide wildlife viewing opportunities. Many of the trail heads are located near the park office, with lesser used trailheads located at Armes Gap and just off highway 62 to the south. Most of the trails are open only to hiking, although mountain biking is allowed on the Lookout Trail, which leads to the summit of Frozen Head.

In 2006, the park replaced the aging CCC fire tower at the summit of Frozen Head with an observation deck. There is a 7-mile trail leading to the observation deck. The observation deck rises just above the tree line and allows a 360-degree view of the surrounding terrain. The Great Smoky Mountains and the Tennessee Valley span the eastern horizon. Walden Ridge, where the Tennessee Valley meets the Cumberland Plateau in Roane County, is visible to the south.



Frozen Head State Park - www.trover.com



Loudon and Monroe Counties

Loudon and Monroe Counties

Adjacent to the southeast of Roane County are Loudon and Monroe Counties.

The region is home to two Tennessee State Historic Areas, Fort Loudoun State Historic Park and the Tellico Blockhouse State Historic Site. Fort Loudoun State Historic Park is a 1,200-acre day use park containing a reconstruction of the British fort built on the site in the 1700's. The park provides five (5) miles of moderate hiking and walking trails, a 50-foot, handicap accessible fishing pier, a book store and gift shop, thirty (30) picnic sites, and a pavilion that is available for rental by reservation. The park also provides a museum and interpretive center, which offers information of the area's history and artifacts, as well as an auditorium that features films about the area's history.

A number of seasonal events are held at the Park, including the 18th Century Trade Fair in October and Christmas in Fort Loudon. The Tellico Blockhouse State Historic Site, which resides in Fort Loudoun State Historic Park property, was a U.S. fortification used in the early 1800's, and later used as an outpost for fur trading, and negotiations with the Cherokee tribe. The park is also the location of the Sequoyah Birthplace Museum which provides exhibits of sculptures and artifacts, as well as numerous interactive events to promote understanding and appreciation of the history and culture of the Cherokee Indians. The Museum is owned and operated by the Eastern Band of Cherokee Indians.

Lone Mountain State Forest

Tennessee's 15 State Forests range from mountain covers to bottom lands along the Mississippi. State Forests are managed for a mix of natural resources, including game and non-game wildlife, and large, high quality timber. State Forests lack improvements such as inns, golf courses and restrooms. However, they offer hunting, hiking, bird watching and tranquility. Many state forest lands were in poor condition when acquired, whether eroded or heavily timbered. Some were planted with trees to control erosion; others regenerated naturally into hardwood forest. Since then, they have been carefully protected and managed.

Morgan County is adjacent to the northwest of Roane County on the Cumberland Plateau. Lone Mountain State Forest (3,572 acres) is located in Morgan County. Land for the forest was acquired by the state through a tax delinquency sale by the Morgan County Chancery Court in 1929 and through a deed transfer by the Lone Mountain Land Company in 1938. The Forest was known as the Lone Mountain section of the Morgan State Forest until 1970, when Morgan State Forest became part of the Division of State Parks and Lone Mountain became a separate State Forest. It is located about 4 miles outside of Wartburg, just west of U.S. Highway 27. It

is approximately 15 miles north of the Tennessee River/Watts Bar Lake. The land was heavily logged and abused by the Lone Mountain Land Company during their ownership. As a result, a hands-off management strategy has been employed on the forest to allow it to recover and regenerate.



Lone Mountain State Forest - www.morganCountytn.gov



TWRA Logo - www.tn.gov

TENNESSEE WILDLIFE MANAGEMENT AREAS

The Tennessee Wildlife Resources Agency (TWRA) manages wildlife habitat on its Wildlife management areas and promotes habitat improvements, operates fish hatcheries, enforces wildlife laws, and provides opportunities for the public to hunt, fish, watch wildlife, and participate in outdoor recreational opportunities that are consistent with realistic conservation principles. According to the agency's 2014-2020 Strategic Plan, the agency's primary purpose is considered in four core functions. The four core functions of the agency and their associated goals are Wildlife Resource Management, Outdoor Recreation, Law Enforcement, and Information and Education.

TWRA broadly defines outdoor recreation as any leisure activity that takes place outside. TWRA actively promotes fishing, hunting, wildlife viewing, and boating. While these activities remain the Agency's primary focus, there are other activities that are, or could be, welcomed on TWRA lands. These include, but are not limited to, camping, hiking, canoeing, horseback riding, off-highway vehicles, bicycle riding, rock climbing, and geo-caching. Wildlife Management area managers have identified at least 20 varieties of outdoor recreation occurring on TWRA lands.

Non-Traditional outdoor recreation occurring on TWRA Lands:

- Artifact Hunting – Arrowheads
- ATV riding
- Berry picking
- Camping designated and non-designated areas
- Fishing
- Flower gathering
- Geo-caching
- Hiking
- Horseback riding
- Jeeping/mud buggies
- Maintaining cemeteries – Family Access
- Metal Detecting
- Mountain bike riding
- Photography
- SCUBA diving
- Sight seeing
- Skeet shooting
- Swimming
- Target practice
- Wildlife watching

TWRA owns approximately 400,000 acres of WMA's, refuges, and Agency fishing lakes. Five wildlife management areas are located in or near Roane County. The locations and descriptions of those 5 WMA's are as follows:

Catoosa Wildlife Management Area (CWMA)

CWMA is a large game management area located in Morgan and Cumberland Counties in Tennessee. It contains 82,000 acres of wild land administered by TWRA. The area is funded by hunters and fisherman through their licensing fees and is a popular spot for many outdoor activities. Recreational opportunities include: Trails for hiking and backpacking including the famous Cumberland trail, gravel roads, and dirt track four-wheel drive roads for motorized travel, and whitewater rafting. The Catoosa WMA lies within the Emory River Drainage Basin. The Emory River meets the Obed river in the southeast corner of the area. Practically all of the area is forested and wildlife populations have been restored. The healthy deer herd regularly produce trophy bucks for hunters, and wild turkey numbers are growing fast. Other game animals include the European wild boar, fox, squirrels, grouse, raccoons, quail, rabbits, and mourning doves. Game fish include small mouth bass, rock bass, bluegill and muskellunge.

Kingston Wildlife Management Area and Refuge

Kingston Wildlife Management Area and Refuge is a 472 acre cultural feature park in Roane County. The WMA is located on a peninsula owned by TVA and on the Watt's Bar Lake just north of Downtown Kingston. The dominant land cover on the Kingston Refuge WMA is deciduous forest.

Roosevelt Mountain Wildlife Management Area

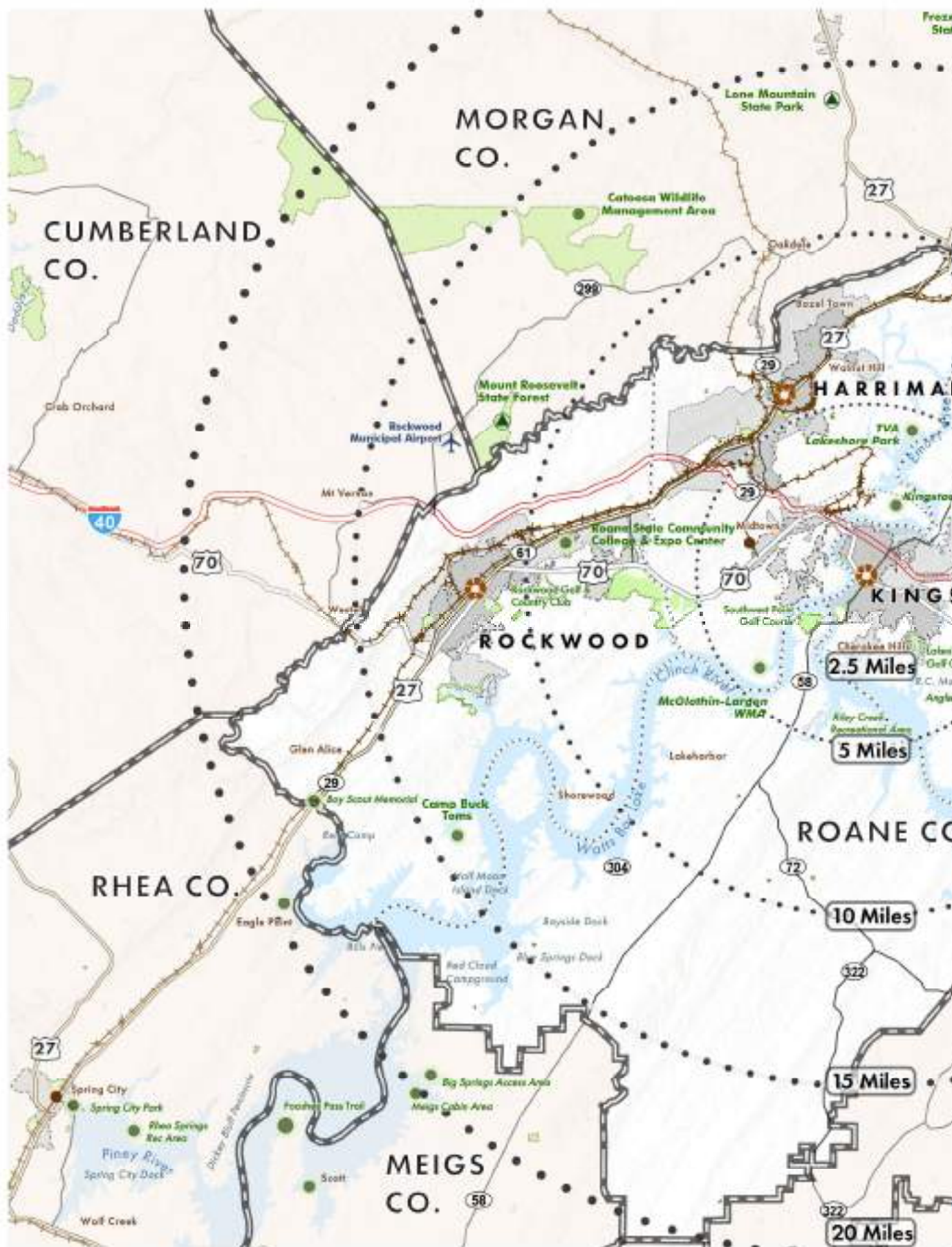
Roosevelt Mountain Wildlife Management Area is approximately 11,000 acres and virtually surrounds the western area around the City of Rockwood in Roane County. However, the best and easiest access point is the overlook. The overlook (believed to be one of the highest in the Cumberland's) is a celebrated site for witnessing fall migration of not only raptors, but also songbirds and butterflies. The overlook includes a small parking area, picnic tables, and observation platforms. Also, a spur trail leading to Walden Ridge trail is located at the overlook adjacent to the fire tower. The fire tower is fenced off to the public due to safety concerns.

McGlothin-Largen Wildlife Management Area

On September 24, 2012, the TWRA held a dedication ceremony for Tennessee's new wildlife management area (WMA) in Roane County. The ceremony was held to recognize Gerald Largen for his gift of the property to TWRA and the people of Tennessee. Located on Bowman's Bend Road, the 113-acre property, to be called the McGlothin-Largen Wildlife Management area, also has over a mile of lake frontage on Watts Bar Lake and will become the 125th WMA managed by TWRA in the state. TWRA has plans to build a fishing pier at the location and open the area to limited hunting and wildlife viewing.

Paint Rock Wildlife Management Area

In 2015, the Tennessee Fish and Wildlife commission (TFWC) passed a proclamation converting Paint Rock Refuge, located in Roane County, to Paint Rock Wildlife Management Area. (WMA). The "refuge" status was originally put in place in the early 1960's to provide a place for waterfowl populations present at that time. The Paint Rock WMA will no longer have a winter closure period. As a result, hunters and anglers will have more opportunity to utilize the 1600-acre WMA located along Watts Bar Lake. The area is open for big game (archer only), small game (Shot gun only), and fishing. Boat ramp access is available via Paint Rock Road.



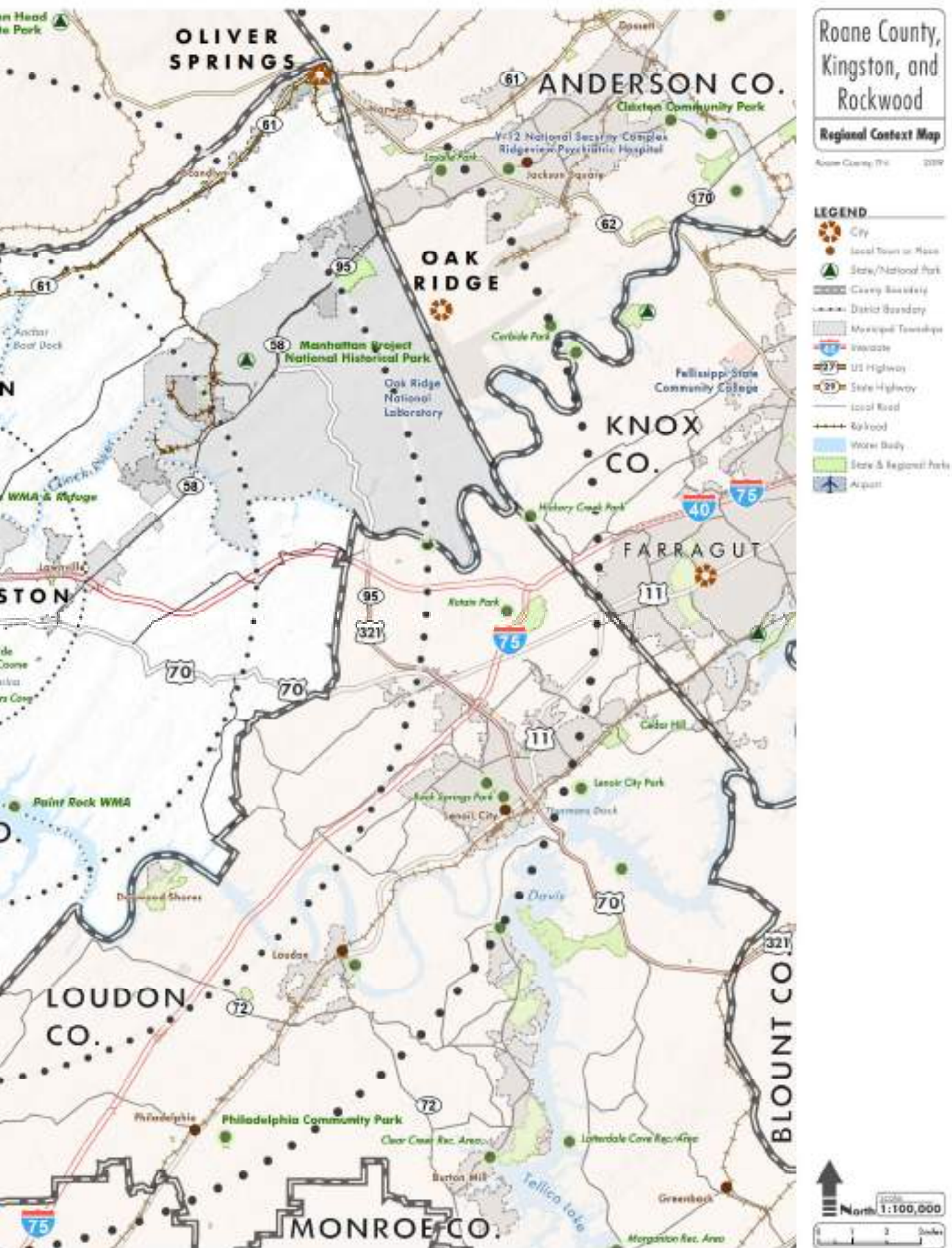


Figure 3.1- Regional Context Map

3.3 EXISTING PARK AND RECREATION FACILITIES

This section contains an inventory and description of the existing public recreation facilities in Roane County. **Tables 3.3.1** through **3.3.3** provide a listing of the facilities in Roane County, the City of Kingston, and the City of Rockwood, along with the acreage for each facility and the total acreage for parks and recreation facilities in the County. **Figure 3.2** shows the locations of the existing facilities in Roane County.



Map of Roane County Parks and Recreation Facilities

3.3.1 ROANE COUNTY PARKS

LOCATION	ACREAGE	FACILITIES		
Roane County Park	36.23	<ul style="list-style-type: none"> • Walking Trail • Baseball Field • Tennis Courts • Swim Area 	<ul style="list-style-type: none"> • Splash Pad • Picnic • Playground • Disc Golf 	<ul style="list-style-type: none"> • Basketball • Kayak • Pavilions
Swan Pond Sports Complex	55.90	<ul style="list-style-type: none"> • Walking Trails • Soccer Fields 	<ul style="list-style-type: none"> • Pavilion 	<ul style="list-style-type: none"> • Concessions
Caney Creek Access Area	3.39	<ul style="list-style-type: none"> • Boat Ramp 	<ul style="list-style-type: none"> • Boat Docks 	
Riley Creek Campground	81.45	<ul style="list-style-type: none"> • Boat Ramp • Picnic 	<ul style="list-style-type: none"> • Swim Area 	<ul style="list-style-type: none"> • Camping
Emory Gap Park	1.51	<ul style="list-style-type: none"> • Playground • Basketball Court 	<ul style="list-style-type: none"> • Shelter 	<ul style="list-style-type: none"> • Picnic Tables
Courtesy Docks (TWRA Lake Access Areas, Installed under NRT Grant by Roane County)		<ul style="list-style-type: none"> • Little Emory (ADA) • Shade Grove (ADA, Solar Light) • Winton Chapel (ADA, 2 Solar Lights) • Hog Back (Solar Light) 	<ul style="list-style-type: none"> • New Hope (Solar Light) • KOA (Solar Light) • Roane County Park (Kayak) • Bell Cove (Solar Light) 	<ul style="list-style-type: none"> • Riley Creek Mini Marina (Solar Light) • Kingston (Kayak) • TVA Steam Plant • Oak Ridge (Solar Light)
Total	178.48			



Entrance Sign at Roane County Park



Caney Creek Access Area



Basketball Court at Emory Gap Park



Pavilion and Concessions at Swan Pond Sports Complex



Boat Dock at Caney Creek



Swimming Area at Riley Creek Campground

3.3.2 KINGSTON CITY PARKS

LOCATION	ACREAGE	FACILITIES
Fort Southwest Point Park	36.66	<ul style="list-style-type: none"> • Pavilion / Picnic Tables • Baseball / Softball Fields • Concessions • Soccer Field • Track • Walking Path • Museum • Amphitheater
58 Landing	1.50	<ul style="list-style-type: none"> • Boat Ramp / Dock • Pavilion / Picnic Table
Fort Paws Dog Park	1.97	<ul style="list-style-type: none"> • Dog Park
Kingston City Park	1.62	<ul style="list-style-type: none"> • Walking Trail • Tennis Courts • Basketball Court • Playgrounds (2) • Volleyball Court • Pavilion / Picnic Tables • Boat Ramp / Dock
Alton Byrd Park	3.03	<ul style="list-style-type: none"> • Softball Fields
Gravel Pit Park	0.57	<ul style="list-style-type: none"> • Walking Trail • Pavilion / Picnic Tables • Boat Ramp / Dock • Fishing Pier
Ladd Park	3.5 Kingston 2.18 (TVA) 0.48 (Trail)	<ul style="list-style-type: none"> • Pavilion / Picnic Tables • Boat Ramp / Dock • Greenway
Lakewood Park	1.33	<ul style="list-style-type: none"> • ADA Accessible Kayak Launch
Gertrude Porter Park	3.33	<ul style="list-style-type: none"> • Multi-purpose Field • Playground • Basketball Court
Kingston Community Center	2.78	<ul style="list-style-type: none"> • Meeting / Activity Rooms • Pool • Tennis Courts
Downtown Dock	0	<ul style="list-style-type: none"> • Boat Dock
Total	58.94	



Boat Launch at Lakewood Park



Greenway at Ladd Park



Playground at Fort Southwest Point Park

3.3.3 ROCKWOOD PARKS		
LOCATION	ACREAGE	FACILITIES
Mike “Brillo” Miller Sports Complex	134	<ul style="list-style-type: none"> • Softball Field • Baseball Field • Soccer Filed • Playground • Pavilion
Dr. Tom Fuller Memorial Park	52.7	<ul style="list-style-type: none"> • Boat Ramp • Pavilion • Picnic Tables • Fishing Pier • Fishing Dock
Brickyard Spring/J.B. Olinger Field	1.93/3.71	<ul style="list-style-type: none"> • Baseball / Softball Field • Basketball Court • Pavilion / Picnic Tables • Playground • Restrooms
Tennis and Basketball	2.3	<ul style="list-style-type: none"> • Basketball Courts • Tennis Courts
Community Center	1.6	<ul style="list-style-type: none"> • Swimming Pool • Basketball Court
Total	196.24	



Ballfield at Mike “Brillo” Miller Sports Complex



Boat Docks at Dr. Tom Fuller Memorial Park



Playground at Mike “Brillo” Miller Sports Complex





Roane County, Kingston, and Rockwood

Existing Parks Facilities

Roane County, TN 2387

LEGEND

- Existing County / Municipal Park
- Boat Access
- State / National Park
- Local Town or Place
- County Boundary
- Interstate
- US Highway
- State Highway
- Local Road
- Railroad
- Water Body
- Golf Course
- Airport
- Marina

LEGEND

- Existing County / Municipal Park
- Boat Access
- State / National Park
- Municipal Boundary
- County Boundary
- Interstate
- US Highway
- State Highway
- Local Road
- Railroad
- Water Body
- Golf Course
- Airport
- Marina



Figure 3.2- Existing Parks Facilities



3.3.4 BLUEWAYS, GREENWAYS AND TRAILS

Blueways

Blueways are navigable water paths or trails developed with launch points, camping locations, and points of interest for canoeists and kayakers. According to TDEC, rivers, streams, and creeks are the largest and most widely available class of publicly owned recreation resources in the State of Tennessee. In 2012, the National Water Trails System was established by the U.S. Secretary of the Interior as a class of National Recreation Trails under the National Trails System Act of 1968. The State of Tennessee has expressed a desire to develop and designate a network of blueways to be included in the National Water Trails System. The designation of these blueways will promote public access points and features along Tennessee's lakes, rivers, streams, and creeks, ultimately providing both residents and non-residents with greater opportunities to enjoy Tennessee's waterways.¹²

From a standpoint of navigable waterways for kayaking, canoeing, paddling, and boating, Watts Bar Lake and the Clinch and Emory Rivers provide an abundance of boating opportunities for all sizes of recreational watercraft. There are 30 boat ramps on Watts Bar Lake and 18 marinas, a majority of which are in Roane County. For paddlers, canoers, and kayakers, there are many coves and inlets providing still waters off the main channel of the impounded Tennessee River. Some of the most popular are Caney Creek inlet (.6 miles), River Branch inlet, Whites Branch and Phillips Branch Cove, Blue Springs and Bayside inlets, Anglers Cove, and Paint Rock Creek inlet. Paddling, canoeing, and kayaking is also possible 14 miles upriver along the Emory River as well as 14 miles along Poplar Creek. The summer pool level for Watts Bar is 741 feet and the winter pool level drops only four feet to 737, so most inlets and coves remain navigable for small craft year-round.¹³

According to TDEC, there are no state designated blueways in Roane County, however, there are over 50 miles of proposed blueway along the Clinch River, of which approximately 25 miles does flow into the County.¹⁴ The proposed Pellissippi Blueway provides over 50 miles of flatwater paddling along the Pellissippi / Clinch River. The 50 miles of waterway begin at mile 0, where the Clinch converges with the Tennessee at Southwest Point in Kingston. The 38 miles of the north shore of the Clinch are undeveloped (DOE reservation) from Brashear Island (mile 10) to Edgemoor Bridge (mile 48). The Melton Hill dam is at mile 23.2, Hope Creek at mile 25, and Roane County's boundary with Anderson and Knox County, and the Oak Ridge rowing venue is at mile 50.

There are several access points to the proposed blueway in Roane County. These are located at mile .7 at the 58-boat ramp, at mile 1.3 at the Kingston ramp, mile 4.7 at the Kingston Arch ramp, mile 14 at the Gallaher ramp, mile 21.8 at the VandenBulck ramp (TN 95), and at mile 23.2 at the Melton Lake Dam. The following table lists some of the points of interest on the section of the Pellissippi Blueway within Roane County:¹⁵

River Mile	Description
0	Tennessee River
.7	58 ramp
1.3	Kingston ramp
4.4	Emory River (14 miles)
4.5	Ladd Landing ramp
4.7	Kingston Arch
9.8	Brashear Island
11	Campbell Bend
12	Poplar Creek (14 miles)
12.0	East Fork (1.3 miles)
13.7	Wetlands
14	Gallaher ramp (TN 58)
17	Caney Creek (.6 miles)
18.4	Grubb Islands
19.3	Pawpaw Creek (.5 miles)
20	Jones Island
21.8	VandenBulck ramp (TN 95)
23.2	Melton Lake Dam/ Park/ ramp
25	Hope Creek (1.3 miles)

Greenways and Trails

Roane County boasts over 60 miles of trails and greenways across the County, utilizing the diverse geographic features to provide a wide array of user experiences. Roane County Park offers a 1.5-mile paved walking trail, which weaves its way through a forested landscape while providing access to Caney Creek. Future horse, biking, and hiking trail connections to the Caney Creek Recreation Area near Roane State Community College are also proposed. Other walking paths and greenways maintained by Roane County Parks and Recreation include the greenway at Swan Pond as well as the walking path at Emory Gap Park.

Kingston offers two highly used paved greenway trails: The Betty Brown Memorial Walking Trail and the Ladd Park Greenway. The Betty Brown Walking Trail is a 3-mile paved walking trail that runs from Alton Byrd Park to Fort Southwest Point Park along Watts Bar Lake. This trail connects multiple parks while providing users multiple access points to the lake and tremendous waterfront views. The greenway at Ladd Park is 3.8 miles in length and offers outdoor exercise and convenience stations along its route.

Rockwood's primary hiking trail network known as Rockwood Forest is located at the Mike "Brillo" Miller Sports Complex. Rockwood Forest was created and is maintained on a 100% volunteer basis. Rockwood was also recently awarded a Transportation Alternatives and Safe Routes to Schools grant, which will provide paved pedestrian connections from downtown to Tom Fuller Memorial Park.

Other trails and greenways in the area include, but are not limited to, the several miles of paved trails and water access points at Lakeshore Park (TVA), the 15 miles of multi-use gravel/dirt trails at the North Boundary Trails in Oak Ridge, and hiking trails at White's Creek Small Wildlife Area (TVA), Mount Roosevelt Wildlife Management Area, and Seven Mound Trail at Camp Buck Toms Boy Scout Camp. Roane County is also currently undergoing a Trail Master Plan study which will identify the potential and feasibility of new trail and greenway connections Countywide. The anticipated completion date for this study is Spring 2020.

TN RiverLine 652

In the summer of 2019, Roane County was selected as one of 5 pilot communities for the Tennessee RiverLine 652 initiative. The Tennessee RiverLine developed out of the University of Tennessee Landscape Architecture Program's River Studio and has since expanded to a partnership of multiple local, state, and private organizations all focused on advocating for a shared vision for the project. Here is the vision for the Tennessee RiverLine, according to the program's website:

The Tennessee RiverLine is a vision for a continuous system of hiking, biking, and on-water experiences along the 652-mile reach of the Tennessee River from Knoxville, TN to Paducah, Ky. The system will serve as a catalyst for economic, social and environmental impact in the four states and dozens of cities, towns and rural communities along the Tennessee River, as well as the more than 4.5 million residents who call the Tennessee River Valley home.

Beyond recreational, environmental and economic potential, the project embodies the spirit of innovation and regional collaboration that is our legacy in the Tennessee River Valley.

The Tennessee RiverLine seeks to:

- Reestablish upriver and downriver relationships
- Reconnect people and communities in the Tennessee River Valley by initiating regional and watershed wide partnerships
- Reclaim the river's edge across urbanized, rural and natural landscapes to provide for an unprecedented level of public access¹⁶



Tennessee RiverLine Pilot Communities- www.tnriverline.org

a vision for north america's next great regional trail system



As a pilot community, Roane County collaborated with the TN RiverLine on leadership workshops, public engagement events, and interactive surveys to gauge interest and feedback on the RiverLine from the citizens of Roane County. Site analysis and design concepts for future RiverLine networks and elements are being investigated in the UT School of Landscape Architecture's fall 2019 studio.

Tennessee RiverLine 652 to You-
www.tnriverline.org



Oak Ridge Natural Assets Plan

The Oak Ridge Natural Assets Plan is a study focused on exploring recreational opportunities and enhancement of natural assets in Oak Ridge, within both Roane and Anderson Counties. The guiding principles of the Natural Assets Plan will be

to improve access to and enhance the land and water resources that already exist in the area, and pave the way for those natural assets to be identified as core community values and ultimately as economic drivers for the region. Once completed, the natural Assets Plan will be a living, working document that will serve as both a philosophical and a practical set of guidelines for how to proceed in maximizing the area's natural assets so that they provide a sustainable foundation to engage residents, promote wellness, attract tourism, and increase economic development.¹⁷

The project is funded by a grant from UCOR, UT-Battelle, CNS/Y-12 and Oak Ridge Associated Universities.

Oak Ridge Natural Assets Plan
Dedication-
www.legacyarks.org



Caney Creek Recreation Area

Roane County Parks and Recreation is currently undertaking a study of revitalizing the former Caney Creek Campground as a new recreation area for the County. Amenities will include a multi-use trail connecting Roane County Park to both the Caney Creek Boat Launch and Campground, a bridle trail loop from the existing multi-use underpass at Roane State Expo Center, organized group camping, hiking, biking, and horse trails within the site, as well as a full bridge replacement providing access to the site from Roane State Highway. A more in-depth analysis of potential trail layouts is ongoing under the scope of the Roane County Trails Master Plan, with an anticipated completion date set for 2020.



Caney Creek Recreation Area Trail Study



View from Recreation Area of Caney Creek



The bridge to the Recreation Area is in disrepair and in need of a full replacement

3.4 PROGRAMS AND COMMUNITY EVENTS

Parks, recreation facilities, programs, and community events are key factors in strengthening community image and creating a sense of place. The following is a comprehensive list of the programs and events offered in Roane County and the cities of Kingston and Rockwood.

Recreational Programs

Both the City of Kingston and the City of Rockwood organize various team sports and activities. The Roane County School District organizes TSSAA sanctioned sports through the use of its 5 High Schools, 5 Middle Schools, and 6 Elementary Schools and education center.¹⁸ Roane County does not organize team sports but provides its facilities for those organizations. In Kingston, the Optimist Club assists with sponsoring some youth activities. The Following is a summary of team sports activities by organization and location:

ROANE COUNTY SCHOOL DISTRICT TEAMS¹⁹

Boys Teams

- Baseball (Varsity and JV)
- Basketball (Varsity and JV)
- Football (Varsity and JV)
- Soccer (Varsity and JV)
- Wrestling (Varsity)
- Lacrosse (Varsity)

Girls Teams

- Basketball (Varsity and JV)
- Soccer (Varsity and JV)
- Softball (Varsity and JV)
- Volleyball (Varsity and JV)
- Lacrosse (Varsity)

Most of the Roane County School District teams play on fields or in the gymnasiums provided at the school locations. However, there are exceptions. Some middle school and high school baseball games and tournaments are played at the Mike “Brillo” Miller Sports Complex in Rockwood. Likewise, the Brickyard Springs Park in Rockwood is often the location for girls softball games. Both boys and girls middle school and high school soccer teams play at the Mike “Brillo” Sports complex.

CITY OF KINGSTON SPORTS TEAMS

The City of Kingston organizes and sponsors the following team play:

- Flag Football (Fort Southwest Point Park)
- Softball (Fort Southwest Point Park)
- Swimming Lessons and water aerobics (Kingston Community Center)
- Girls Volleyball (Cherokee Middle School)

The Kingston Optimist Club administers several youth sports teams in Kingston:

- Dixie Youth Baseball (Fort Southwest Point Park)
- Youth Football League (Fort Southwest Point Park)
- Boys and Girls Basketball
- Cheerleading
- City of Kingston Field Usage

The following is a list of the facilities within the City of Kingston and the sports programs they host:

Fort Southwest Point Park

- Middle School/ High School Baseball, Softball, Soccer (Boys and Girls), (Practice and Games)
- Boys and Girls AYSO soccer (Practice and Games) Likely this season only
- Youth Flag Football
- Adult Flag Football
- Disc Golf

Gertrude Porter Field

- Girls Softball (Practice and Games)
- Boys and Girls AYSO Soccer Practice

Cherokee Middle School

- Dixie Youth Baseball
- Girls Volleyball (Kingston City) uses school gymnasium

Roane County High School

- Kingston Optimist Club Football and Cheerleading
- Boys and Girls Lacrosse (Practice and possible Lacrosse)

Kingston Community Center

- Swim team

CITY OF ROCKWOOD SPORTS TEAMS

The City of Rockwood organizes and sponsors the following team play:

- Dixie Youth Baseball (Miller Sports Complex)
- Rockwood Youth Basketball (Rockwood Community Center)
- Swimming lessons and water aerobics (Rockwood Community Center)

The Mike “Brillo” Sports Complex is Roane County’s largest recreation Facility with 5 lit softball and baseball fields, 1 lit soccer field and newly constructed concession stand and restrooms. The facility draws regional and national travel softball and baseball teams throughout the season. The complex is often utilized at full capacity and it is not uncommon that the facility is hosting tournaments 3 out of every 4 weeks during the summer months.

Other Organized Sports and Recreation Events

American Youth Soccer Organization (AYSO) is popular in Roane County and games are played at Fort Southwest Point Park, the Mike “Brillo” Miller Sports Complex, and the new Swan Pond Sports Complex provided by Roane County Parks and Recreation Department. There is a lacrosse club that also plays on the city and County fields. Both the Rockwood and Kingston Community Center Pools are home to local swimming teams that participate in the GKISA (Greater Knoxville Area Interclub Swimming Association).²⁰ Both community centers also provide meeting rooms and space for many senior activities and clubs. Just a few of these include quilting, sewing, aerobics, card playing, and dominoes.

Community and Special Events

Roane County Visitor's Bureau

As Roane County's primary tourism marketing organization, the Roane County Visitor's Bureau strives to promote the area as a destination for live music, rich history, and outdoor adventure on and off Watts Bar Lake. The organization's website roanetourism.com and their special events calendar is the single best "go to" source of information on community and special events in the County. Each of the County's five cities that make up Roane County conducts various festivals, concerts, tours, and holiday celebrations during each season of the year. Roane County is a regional and state destination for ball tournaments, triathlons, bike races, and a national destination for sport fishing. All told, there are over 450 events held in the County each year. Some of the most popular events held each season include:

Smokin' the Water, Kingston, TN - www.roanetourism.com; Bluegrass Band - www.roanetourism.com



Spring

- **Thunder Road** - This annual Rockwood event celebrates East Tennessee's moonshine heritage with an antique car show, food, arts and crafts, live entertainment, and the "Mr. and Mrs. Moonshiner" pageant.
- **Tennessee Medieval Faire** - This annual Harriman event has Celtic entertainment and music, artisans, and dancing. Food and cold beverages are served.
- **Expo Rodeo and Dog Shows** - At the Roane State Expo Center events are held throughout the year with two of the most popular in the Spring- the rodeo and dog agility competitions.
- **Kingston Spring Street Fest** - This annual Kingston Event includes an auto show, live music, children's activities, and craft and food vendors. The festival is located outside of the Historic Roane County Courthouse.

Summer

- **GizmoJam** - Gizmo Isle is the site of this music festival off the shore of Grande Vista Bay. The annual event is held on the Saturday of Memorial Day weekend.
- **Smokin' the Water** - Held on Independence Day on the banks of the lake in Kingston. The celebration includes fireworks on the water, live music, food vendors, a car show, parade, a kid's zone, and barbecue cook-off.
- **Hooray for Harriman** - A celebration of Labor Day and the history of Harriman, the free family festival features live music, arts and crafts, food, and games and activities for all ages.

Fall

- **Hauntings of Historic Harriman** - The walking tour take place in historic Cornstalk Heights in Harriman's historic district. Guides lead ticket holders through the neighborhood telling haunted stories about real occurrences after dark.
- **Fall Festivals in Rockwood** - The first is at the end of September and the other is on the first weekend in October. Activities include local music, arts and crafts vendors, pageants, pumpkins, hay rides, silent auctions, and a street dance party.
- **October Sky Festival** - The Oliver Springs festival features food and craft vendors, rocket launches, live music, coal mining history, and tours of movie locations and historic homes in filming for the movie "October Sky."
- **Kingston Fall Street Fest** - This annual Kingston event includes live music, an auto show, craft and retail vendors, food trucks, and children's activities outside of the Historic Roane County Courthouse.

Winter

- **The Nutcracker** - An annual holiday event performed by the Arts in Motion dancers held at the O'Brien Theatre at Roane State Community College.
- **Merry Tuba Christmas** - Since 1974, on the first Saturday in December, the Babahatchie Band holds a holiday concert along with bands from all over the world.
- **Christmas Tour of Homes** - A self-guided tour of the decorated Victorian homes in the historic Cornstalk Heights in Harriman.
- **Colonial Candlelight Tour** - A Christmas season common to the people of the 18th Century at the holiday decorated Fort Southwest Point in Kingston. A night-time firing of the canon and refreshments are provided.²¹

In addition to the above local events, the three nearby state parks; the Cumberland Trail, Frozen Head, and Fort Loudon provide holiday celebrations, tours, hiking trips, historical demonstrations, instructional classes and many year-round activities. Most are free to the public. The website for each state park provides a link to a special events calendar describing upcoming activities, classes, etc.²²

Roane County Health Department

The Roane County Health Department promotes usage of the parks (both County and municipal park) for better health. It conducts classes, informational and instructional seminars, and special events in Roane County. The department provides social marketing of recreation events to increase awareness among the public. They help to distribute fliers, team registration forms, and other parks and recreation documents. The department also shares any media advertising on the Tennessee Department of Health's social media pages for additional distribution. As part of the Department's Physical Activity / Nutrition Program activities, they have partnered with local parks and recreation departments to offer events such as "Walk Across Tennessee," community walks, "Child Find" (a Head Start / Roane County Schools project), and many other activities and events. The Department also partners with local parks and recreation leagues (many of whom use local park facilities) and provides instruction on the "Safe Stars" program which improves the health-related and safety policies for the leagues, ensures basic emergency supplies are available for practices and games, and provides training for coaches and volunteers.²³

The Roane County Health Council, a group of individuals representing a variety of organizations or folks who simply have an interest in improving the health of Roane County, also help to promote activities and events. The council meets monthly and information is shared among members and visitors. Through the Governor's Foundation for Health and Wellness, the Council continues to work to retain that designation and progress through additional levels of recognition. The Council also maintains an updated calendar of community events and activities that promote health. This calendar is made publicly available and is shared through the council's social media platforms.²⁴

3.5 ADMINISTRATION, BUDGETING, AND MANAGEMENT

3.5.1 ROANE COUNTY

Administration

Roane County is governed by the Roane County Commission consisting of fifteen (15) commissioners representing seven (7) commission districts in Roane County. The County Executive is the chief financial officer of the County and the administrator providing oversight and direction of the various County departments. Issues relating to the policies of the Parks and Recreation Department are considered by the Parks and Recreation Committee of the County Commission before further consideration of the full commission. A citizen advisory board consisting of each municipal parks and recreation director and citizens at-large from the County serves in an advisory capacity to the Roane County Parks and Recreation Department, the County Executive, and the Roane County Commission.

Budgeting

Funding and expenditures related to the Roane County Parks and Recreation Department are calculated annually and disclosed in the County's audited financial statements and the Annual Financial Report for each fiscal year ending June 30th. The department's annual operating and maintenance (O&M) expenditures are derived from the County's General Fund and reported in the financial statements under the title, "Parks and Fair Boards." Roane County utilizes a budgeting tool known as Capital Improvements Planning. Simply stated, capital improvements are expenditures that are non-routine costs for items such as equipment replacement,

new vehicles, facility construction, etc. Roane County updates their Capital Improvements Plan for upcoming budget years to anticipate non-routine costs and wisely plan for capital improvement costs for each department of County government. The parks and recreation departments capital improvements expenses are derived from the County's General Capital Projects Fund under the title, "Social, Cultural, and Recreation Projects." The expenditures from both funds over the last three years by the Roane County Parks and Recreation department are as follows:

ROANE COUNTY PARKS AND RECREATION EXPENDITURES			
	2016	2017	2018
Parks and Fair Boards	\$378,081	\$417,322	\$446,292
Social, Cultural, and Recreation Projects	\$179,666	\$484,241	\$490,450
Total	\$557,747	\$901,563	\$936,742

Excerpts detailing line item expenditures from each of the three year's Annual Financial Reports are attached to this plan as (Appendix "A"). The County's parks and recreation O&M expenditures have increased roughly 15.2% over the last three years and overall spending has increased 40.4%.

The Roane County Parks and Recreation Department collects fees and revenues for pavilion rentals, concessions, participation fees, etc. These sources of revenue amount to approximately \$60,000 per year and are not earmarked for the Department but are a part of general revenues included in the County's general fund. Since the County operates the Riley Creek Campground through a license agreement with TVA, the County does account for revenues it receives from campground rentals separately from other revenues. This amount is approximately \$36,000 annually.

Management

The Roane County Parks and Recreation Department is managed by a director and two full time employees. The department operates from a building named "The Cottage" located on the grounds of Roane County Park and houses the department's offices and a meeting room for departmental functions and community gatherings. The director employs six to eight seasonal workers to assist with mowing, extraordinary maintenance, and general upkeep of the County's five parks.

3.5.2 CITY OF KINGSTON

Administration

The City of Kingston, Tennessee was incorporated in 1903 under the provisions of the State of Tennessee and operates under a Council-Manager form of government under general law. Section 6-202 Tennessee Code Annotated. The City is governed by a Mayor, Vice-Mayor, and 5 council members as well as a City Manager. The Parks and Recreation Department Director reports directly to the City Manager. The following services are authorized by Charter: public safety (police and fire), streets, sanitation, health, and social services, culture-recreation, public improvements, planning and zoning, water and sewer, and general administrative duties.

Budgeting

Funding and Expenditures related to the City of Kingston's Parks and Recreation Department are calculated annually and disclosed in the City's audited Financial Statements for each fiscal year. The departments annual operating and maintenance (O&M) expenditures are derived from the city's general fund and reported financial statements as expenditures for "Parks and Recreation." The City also reports expenditures for the pool separately as expenditures for "Swimming Pool." The expenditures for both budget items over the last three years by the City of Kingston Parks and Recreation Department are as follows:

KINGSTON PARKS AND RECREATION EXPENDITURES			
	2016	2017	2018
Parks and Recreation	\$587,533	\$694,433	\$712,952
Swimming Pool	\$26,901	\$34,670	\$33,193
Total	\$614,434	\$729,103	\$746,145

Excerpts detailing line item expenditures from each of the three year's financial statements are attached to this plan as (Appendix "A"). The City's parks and recreation O&M expenditures have increased roughly 1.5% over the last three years and overall spending has increased 17.6%.

Fees and revenues collected by the Kingston Parks and Recreation Department are not earmarked for the Department but are a part of the general revenues included in the City's general fund.

The City of Kingston funds capital improvement projects through a line item in its annual budget designated as "special projects." The city received a \$250,000 LPRF grant for improvement to Porter Park in 2016. The City provided the \$250,000 fifty percent match requirement and the project was closed out in 2019. Kingston also received a \$500,000 "non reoccurring grant" from the state for the construction of an amphitheater at the Southwest Point Park. The grant did not require a local match and the improvements are still under construction at the time of this report.

Management

The City of Kingston Parks and Recreation Department is managed by a director and six full-time employees. The Department's offices are located in the Kingston Community Center. The Director employs approximately twenty seasonal workers, fifteen of which are lifeguards at the pool. Another five seasonal employees assist with mowing, extraordinary maintenance, and general upkeep of the City's ten parks.

3.5.3 CITY OF ROCKWOOD

Administration

The City of Rockwood, Tennessee was incorporated in 1903 under the provisions of the State of Tennessee and operates under a Council-Manager form of government under general law. Section 6-202 Tennessee Code Annotated. The City is governed by a Mayor, Vice-Mayor, and 5 council members as well as a City Manager. The Parks and Recreation Department Director reports directly to the City Manager. The following services are authorized by Charter: public safety (police and fire), streets, sanitation, health and social services, culture-recreation, public improvements, planning and zoning, water and sewer, and general administrative duties.

Budgeting

Funding and Expenditures related to the City of Rockwood's Parks and Recreation Department are calculated annually and disclosed in the City's audited Financial Statements for each fiscal year ending June 30th. The department's annual operating and maintenance (O&M) expenditures are derived from the city's general fund and reported financial statements as expenditures for "Recreation." The expenditures for both budget items over the last three years by the City of Rockwood Parks and Recreation Department are as follows:

ROCKWOOD PARKS AND RECREATION EXPENDITURES			
	2016	2017	2018
Recreation	\$388,576	\$423,418	\$397,737
Total	\$388,576	\$423,418	\$397,737

Excerpts detailing line item expenditures from each of the three year's financial statements are attached to this plan as (Appendix "A"). The City's parks and recreation O&M expenditures have fluctuated over the last three years but have increased approximately 2.3%

Fees and Revenues collected by the Rockwood Parks and Recreation Department are not earmarked for the department but are a part of the general revenues included in the City's general fund "Capital Projects." The City has allocated funds through this line item over the last three years for improvements to the Brickyard Springs Park and the Community Center. The amount of capital funding for the Parks and Recreation Department over the last three budget years are; \$10,000 in 2016, \$15,000 in 2017, and \$110,000 in 2018.

3.5.3 CITY OF ROCKWOOD

CONTINUED

The City recently solicited bids and awarded a construction contract to construct a multi-modal greenway (6 foot side walk and 4 foot bikeway) along Pumphouse Road from the Tom Fuller Park on Watts Bar Lake to US-27 in downtown Rockwood. The project also includes a trail-head, landscaping, signage and pedestrian amenities. The total project cost is budgeted in the amount of \$1,7320,000 of which \$1,413,000 or approximately 80% is derived from a combination of funding through two TDOT grant programs, “Safe Routes to Schools” and “Transportation Alternatives Program.” The city is providing the grant match of \$319,000 through current “Capital Projects “ funding.

The City of Rockwood funds capital improvement projects through line item 2019 of the annual budget designated

Management

The City of Rockwood Parks and Recreation Department is managed by a director and another full time employee. The department's offices are located in the Rockwood Community Center. The Director employs a dozen or so more seasonal workers as lifeguards at the pool, assisting at the sports complex, mowing, extraordinary maintenance, and general upkeep of the City's five parks.



4 Public Input

4.1 CITIZEN SURVEY RESULTS

In April and May of 2019, a public survey was posted online and in various public locations to collect public feedback for the Roane County Parks and Recreation Ten-Year Master Plan. The survey asked respondents about existing parks and recreation facilities and activities. The survey also asked questions regarding preferences for future facilities, programs, community health priorities, and Park and Recreation objectives. Collectively, over 220 responses were received. The following is a list of major survey findings:

Health

The Roane Co Parks Survey gives insight into this community's priorities with regard to health and how these priorities can be addressed through planning, programming, and prioritization in Roane County Parks and Recreation planning efforts.

The leading health issues most important to survey respondents were overweight/obesity, cardiovascular disease/heart disease, and physical activity/ accessibility. These community health priorities are congruent with leading health issues in this community and can be supported through program and infrastructure prioritization.

The image displays three overlapping copies of the 'Roane County Parks & Recreation Survey' form. The top-left form shows the introductory text and the first section, 'Tell us about your household:', which includes questions about where the household lives (Kingston, Hamman, Rockwood, or County Resident) and the racial/ethnic group that best describes the household. The middle form shows the third section, 'How many people of each age group live in your household?', with a table for age groups (0-5, 6-14, 15-20, 21-34, 35-64, 65+ years) and a list of health issues to rank by importance (Cardiovascular Disease/Heart Disease, Overweight/Obesity, Diabetes, Asthma or Other Respiratory Ailment, Healthy Foods, Physical Activity and Accessibility, Mental or Behavioral Health, and Other). The bottom-right form shows the fourth section, 'How often does your family travel to recreation facilities?', and the fifth section, 'Where do you or someone in your family walk or bike to a city or county park and recreation facility from your home?', which includes a list of recreation facilities (schoolyard, gym, state park, national park, etc.) and a question about participation in the Tennessee River Line 652 Project.

The leading objectives of Roane County Parks & Recreation, stated by survey respondents, were increase community pride, provide accessible places to enjoy nature, and improve physical and mental health.

A sense of place, community, and belonging improve health outcomes in a community. The response of survey participants made clear that enhancing current facilities should also include programming. In tandem, facilities improvements and programming will improve health and increase community pride among Park and Recreation users.

Parks and Recreation Site Usage

Of the parks and recreation facilities in Roane County, the sites that survey respondents reported using most often are Kingston City Park (31%), Fort Southwest Point Park (27%), Roane County Park (13%), and Gravel Pit Park (12%).

Satisfaction with Existing Facilities

Of the survey participants, the majority reported that they were either satisfied (56%) or very satisfied with the existing parks and recreation facilities and activities in Roane County, and most respondents thought the parks and recreation facilities were accessible to all citizens no matter their age, race, religion, national origin, or physical ability.

Rick Russell Presenting Findings at the First Public Meeting



Desired Improvements to the Parks and Recreation System

Respondents were asked to prioritize facilities and activities they would like to see provided by Parks and Recreation. The highest priorities were hiking and biking trails (38%), indoor pool/swimming (21%), and Lacrosse Facilities (16%).

Support for Actions to Improve the Parks and Recreation System

Respondents expressed their support for increasing financial methods to expand parks and recreation in Roane County, with about 60% indicating they either strongly agree or agree with increasing funding, and only about 7% saying they either disagree or strongly disagree with increasing funding. The most desired funding sources were developer impact fees, user fees, grant money, and parks and recreation bond issues.

Programming

Over 60% agreed that the following activities and services are important for parks and recreation agencies to provide:

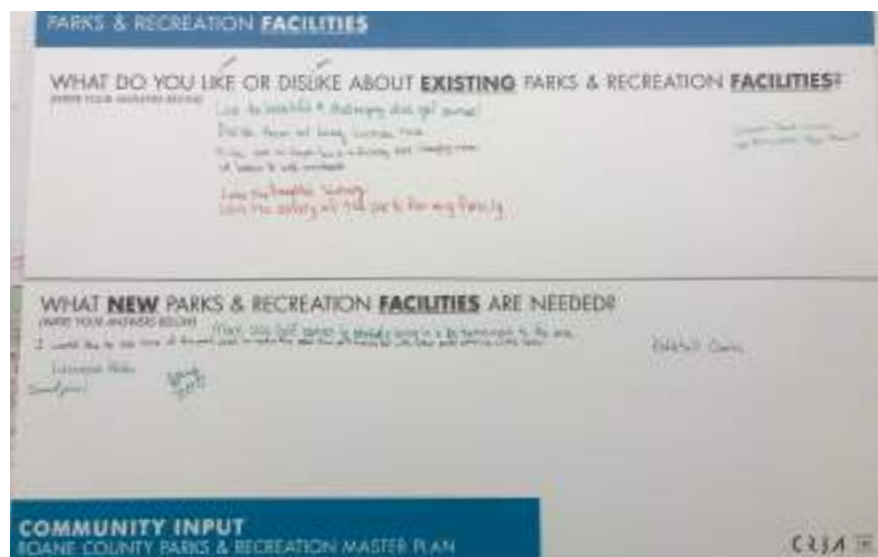
- Accessible places to enjoy nature
- Fun for participants and observers
- Improved physical and mental health
- Increase in community pride
- Structure and supervision for children & youth
- Improved quality of life

When asked “Are there any additional activities that members of your household would like to see provided by the cities of Roane County?” and “Other than City and County Parks in Roane County, what other parks and recreation activities does your family do in our region?”, respondents reported the following most often mentioned activities:

- Accessible places to enjoy nature
 - Fun for participants and observers
 - Improved physical and mental health
 - Increase in community pride
 - Structure and supervision for children & youth
 - Improved quality of life
- A

complete copy of the survey and a graphic display of survey responses, as well as a list of open ended responses is provided (see Appendix B).

Community Input on Parks and Recreation Facilities



4.2 COMMUNITY MEETING FEEDBACK

On June 20th and 25th 2019, public workshops were held at The Cottage in Roane County Park in Harriman, TN. There were multiple participants at both workshops. At the workshops, the planning team presented a Power Point presentation outlining the purpose of the project, the planning process, existing facilities that were evaluated, the status of programs and events in the community, and a summary of responses to the community wide survey.

The planning team also asked participants some key questions about existing and future facilities and programs in the County. Responses to these questions were recorded on dot boards. At the end of the workshops, participants were led in an audience preference exercise. Participants were given four adhesive dots. Answers provided from both meetings to the questions are as follows (numbers in parentheses designate how many attendants indicated that issue/item was most important with their dots):

Q: What do you like or dislike about existing park and recreation facilities?

Like:

- Playgrounds (6)
- Tennis Courts
- General accessibility to parks and rec facilities
- Security at Cove Lake

Dislike:

- Limited accessibility to parks in rural areas
- Not enough playgrounds
- Drug Issues
- Lighting

Q: What new park and recreation facilities are needed?

- | | |
|---|--|
| • Develop More campgrounds & ATV Trails (3) | • Regional ATV Trail (2) |
| • New park playgrounds | • Running/walking trails |
| • Resurface tennis courts | • Build shoreline trail at Roane County Park |
| • Nature Trails | • Refurbish Scarborough Trail |
| • Indoor pool/rec center (8) | |

Citizens Participating in Visual Preference Survey



Q: What do you like or dislike about existing park and recreation programs?

- Existing programs are well staffed
- ATV festivals (3)
- Existing programs w/ schools

Q: What new park and recreation programs are needed?

- Pickle ball program
- Tennis Program
- Hiking Club
- Soccer Programs
- Swim Team
- Fishing/Kayaking Tournaments (3)
- Mountain Biking
- Bicycle Racing

After the public workshops, a white paper was sent out to each of the jurisdictions, describing the input process and public feedback received (see Appendix D).

4.3 DRAFT PLAN MEETING FEEDBACK

The Draft Plan Meeting for the Parks and Recreation 10 Year Master Plan was held on September 26th, 2019. The project team presented all of the work that had been completed to date, including but not limited to the results of the survey, site assessments, demographic and health data, short term, mid term, and long term recommendations, and associated costs for each recommended improvement. The planning team also unveiled its preliminary recommendations for existing and future facilities, as well as recommended programming, organization, and policy initiatives.

Feedback from the meeting was very positive, with only minor comments regarding the information presented. Input and revisions that came out of the meeting focused on information regarding County and city budget and expenditures, parks and recreation amenities not listed in the presentation, changes to concept plans and cost estimates, and changes to the proposed recommendations.



Visual Preference Survey Results



Draft Plan Meeting, September 2019





Needs Assessment

5 Needs Assessment

5.1 EXISTING CONDITIONS ASSESSMENT

Stated simply, a community parks and recreation needs assessment is an analysis of existing facilities, operations, and services and comparison to standards and other metrics to determine future needs. There were several methods used during the planning process to assist Kingston, Rockwood, and Roane County, in defining future goals and formulating strategies to address needs. The first of these methods undertaken early in the process was an existing conditions assessment of the parks and recreation facilities and programs in the various jurisdictions (see Section 5.1). The assessment was conducted by the consulting team in 2019 using an on-site evaluation checklist (see Appendix E). The evaluation team visited the park facilities and assessed the physical conditions of the existing infrastructure and park amenities. Particular attention was given to ADA accessibility and compliance. While the observations are general and not design specific, the evaluation does give guidance and direction for addressing ADA compliance needs when undertaking future improvement projects.

Other factors considered during the assessment include:

- Strengths and weaknesses
- Potential for expansion
- Natural and manmade features
- Potential for consolidation of facilities
- Pedestrian and vehicular access and parking
- Pedestrian and bicycle trail connections
- Passive vs. active land utilization
- Safety and Security

Another method for determining the needs is the benchmarking process (see Section 5.2). Benchmarking is defined as “A measurement of the quality of an organizations policies, programs, strategies, etc., and their comparison with the standard measurement, or similar measurements of its peers.” Two benchmarking exercises were conducted as part of the needs assessment. The first exercise is based on national metrics as reported in the 2019 NRPA Agency Performance Review, Parks and Recreation Agency Performance Benchmarks report. This exercise compares local governments in population categories similar to each jurisdiction with other communities in regards to the number of residents per park and the acres of park per 1,000 residents for similar sized entities. The second benchmarking

exercise conducted is an evaluation of the same characteristics, number of residents per park and acres of park per 1,000 residents to other communities in Tennessee of similar size to Roane County (See Section 5.3).

Finally, priorities for existing and new facilities determined through the survey, public input workshops, and stakeholder interviews are re-examined (see Section 5.4). In summary, the following sources of data collectively provide the basis of the needs assessment and the foundation for the improvements indicated in the following 10-year prioritization of needs, the design elements of the draft concept plan, the 5-year budget plan, and plan recommendations:

- Needs identified during an existing conditions assessment
- National Metrics as reported in the 2019 NRPA Agency Performance Review, Parks and Recreation Agency Performance Benchmarks report
- A benchmark comparison of demographics and parks and recreation facilities with other jurisdictions in Tennessee serving comparable communities
- Priority needs identified in the community-wide survey, public input workshops, and stakeholder interviews.
- Priority health trends were identified in the community-wide survey, and public health research.

5.1.1 ROANE COUNTY FACILITIES

SOUTH OF THE RIVER

There is a need for a Roane County Parks and Recreation Facility located south of the river. Residents south of the river are geographically and politically detached from the Harriman, Rockwood, and Kingston communities and would greatly benefit from the introduction of a public park to the Midway area. Multiple survey respondents expressed their desire for more Parks and Recreation amenities located south of the river.



View of Caney Creek at Roane County Park



Pavilion at Roane County Park



Trail Sign at Roane County Park



Walking Path at Swan Pond Sports Complex

ROANE COUNTY PARK 3515 Roane State Highway, Harriman, TN 37748

The Roane County Park is nestled in the heart of Roane County. It offers plenty of amenities to keep one busy for the day, whether it be a nice walk around our 1.3 mile walking track, relaxing by our swimming area while the kids play at the splash pad, a family picnic under one of our pavilions or a trip around our heavily wooded 18 hole disc golf course.²⁵



Shelters are often used for picnics and group gatherings.

Infrastructure

Fields

The baseball field is in good condition. The fences will need to be replaced in the mid-term. Lights and a paved surface parking lot are recommended.

Courts

The basketball and tennis courts are in good condition. There is one basketball goal that needs a new net.

Playgrounds

There are many playgrounds at the park. They serve all ages and abilities. The main playground needs a swing replaced. The playgrounds at shelters 3 & 4 do not have ADA paths.

Kayak and Boat Launches

There are multiple kayak and boat launches throughout the park. They are all in good condition and easily accessible.

Splash Pad

The splash pad is in good condition. However, the splash pad restrooms / concession building is outdated and it is recommended that it be renovated or replaced.

Disc Golf

The Disc Golf Course is excellent. It stands as a very popular amenity for the park and hosts disc golfers from around the region. It is clear of weeds and overgrowth, making it a very pleasant and playable course.



The main playground is in the heart of the park and is in great condition.



The splash pad is a popular amenity within the park.

Parking Lot

The parking lots and road within the park are in need of repaving and restriping.

Second All Weather Event Space

There is a need for a second all weather event space located near the Cottage. A second space would double the event offerings of the Cottage for November-March. The building would be roughly 1,100 sf and should have a rustic character to integrate with its surroundings.

FEMA Bridge and Future Trail Connections

There is a need to build an access bridge linking US-70 and Roane County Park near the Scout Camping area. This bridge will help strengthen the link between Caney Creek Recreation Area, the proposed walking shoulder on US-70, and the Scarborough Trail at Roane County Park.

Security

Phases 2 and 3 of the parkwide security system should be implemented to maximize the safety of park users.

Accessibility

Overall the park is mostly accessible and ADA compliant. The Cottage needs to have a paved and striped parking lot with ADA parking spaces, as well as ADA improvements to the building entrances and restrooms. Plans for a second structure near the cottage should also be ADA compliant. The walking trail is accessible from the street and sidewalk. Portions of the walking path need to be repaved and ADA sections of walking path should be built within the park and along Caney Creek Road. The main restroom facilities are compliant, but the slope percentage of sidewalk leading to the restrooms should be verified.

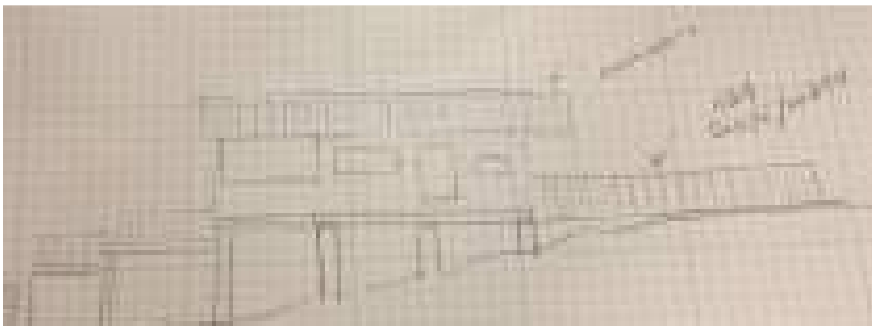
The park has done a good job of making the amenities of the park accessible to all users. However, some of the small playgrounds and many of the shelters do not have accessible pathways. ADA access is needed for shelters 3 and 5, splash pad, and splash pad restrooms. The path leading to the tennis court is not ADA accessible and should have a guardrail installed to prevent a fall hazard.



Sample image of Second All-Weather Event Space - www.shutterstock.com



Shelters are offered both on the lakeshore as well as in wooded areas.



Sketch of Second All-Weather Event Space



ADA access to the swimming area should be improved.

EMORY GAP PARK 909 Renfro Road, Harriman, TN 37748



The walking path and basketball court are in need of resurfacing.



Emory Gap Park is in need of major repairs. The overall park condition could be improved. The park contains a field, baseball court, playground, and a pavilion. Around the park are 7 picnic tables to be used. The pavilion has 6 tables and a trash can.

Infrastructure

Field

There is no backstop on the field near the playground. The field is small and sloped and would need work to be part of organized play.

Basketball Court

The basketball court is fair condition. One of the basketball nets need to be replaced.

Playground

The playground is in good condition. Two of the swings need to be added/replaced. The playground serves 5-12 year olds per the signage. The playground does not seem to be ADA accessible or have ADA equipment. The parking areas should be striped, and ADA designed parking spaces should be allocated.

Pavilion

The pavilion is in good condition. There are 6 tables and a trash can. There is a small amount of graffiti.

Accessibility

Several improvements are needed to enhance ADA compatibility at Emory Gap Park. The sidewalks should be regraded, resurfaced, and widened; ADA paths should be installed for the upper parking, playground, picnic area, and swings. Both parking lots should be repaved and restriped with the appropriate ADA markings and signage.



Swings are in poor condition and need to be relocated.



The pavilion is in good condition with minor graffiti to be removed.

SWAN POND SPORTS COMPLEX 101 Swan Pond Rd, Harriman, TN 37748



The restrooms/concession building is brand new and ready for use.

The Swan Pond Sports Complex is a brand new sports and recreation complex. It recently underwent soil testing on its fields and has been approved for recreational play. Sports leagues will resume play in the coming months.

Infrastructure

The pavilion and restroom buildings are both new and in very good condition. No recommendations are made for improvements to either structure at this time.

The walking path around the fields is in good condition and has appropriate wayfinding signage. The path connects a boat dock and parking lot north of the site, and extends east to the TVA operated Lakeshore Park.

Accessibility

ADA parking spaces and signage are needed in the main gravel parking lot. Paved access from the parking lot to the pavilion, concessions, and spectating areas is also recommended.



The walking trail is a scenic and highly used amenity at Swan Pond.

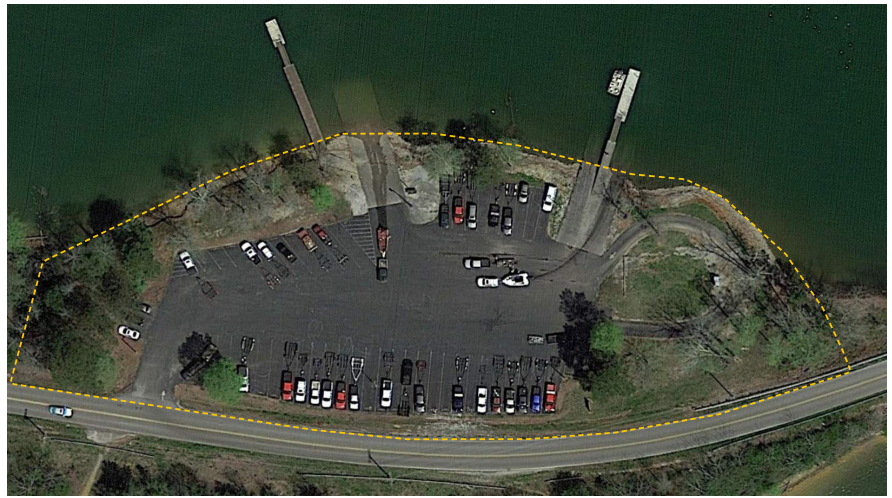


The recreation fields were approved for play as of Fall 2019.

CANEY CREEK BOAT ACCESS AREA Caney Creek Road, Harriman, TN 37748



The boat docks are in good condition and are used quite often.



A permanent restroom / kiosk facility should be installed.

The Caney Creek Boat Access Area is located in a cove at MM 562 and accessed on Caney Creek Road. It is directly across the cove from Roane County Park and Caney Creek RV Resort. It is managed by Roane County, TVA, and TWRA. A future TDOT bridge replacement project will occur just east of the site.

Infrastructure

The overall boat access area is in good condition. There are 2 docks, 3 boat ramps and a portable toilet. As hiking trails and walking paths are built along Caney Creek, it is recommended that the Boat Access Area act as a secondary trailhead with amenities including, but not limited to wayfinding and an information kiosk.

Accessibility

This outdoor facility is mostly accessible. However, there are a few ADA items that need to be verified. The slope percent for access to the boat docks should be verified for ADA compliance, ADA parking stalls should be provided, and a permanent access toilet is recommended over the existing portable toilet.



Minor maintenance is needed to improve the condition of the pier.



ADA access to the boat dock should be further considered.

RILEY CREEK CAMPGROUND 699 Anglers Cove Rd., Kingston, TN 37763



The picnic / swimming area is a popular amenity within Riley Creek.

Riley Creek Campground, located on scenic Watts Bar Lake in Kingston, offers 45 RV and tent campsites on a first come, first serve basis. Other amenities include 2 sand beaches, picnic areas, 2 restrooms, and pavilions.

Infrastructure

Sand infill needs to occur at both beaches once every 2 years. The roofing and supports of the restroom facilities are in need of major repairs. New restroom facilities are recommended. The roads and parking areas need to be repaved, and the dump station and septic lines need to be replaced. Eventually it is recommended that electricity and reliable water be provided to every campsite, and that expansion of the campground occur in the long term.

Accessibility

Riley Creek Campground has multiple items that need to be addressed in regards to ADA compliance. Striped ADA parking spaces and signage are recommended in the parking areas. The restrooms also require signage, as well as a wheelchair accessible toilet and shower stalls.



The restrooms are in need of major improvements / replacement.



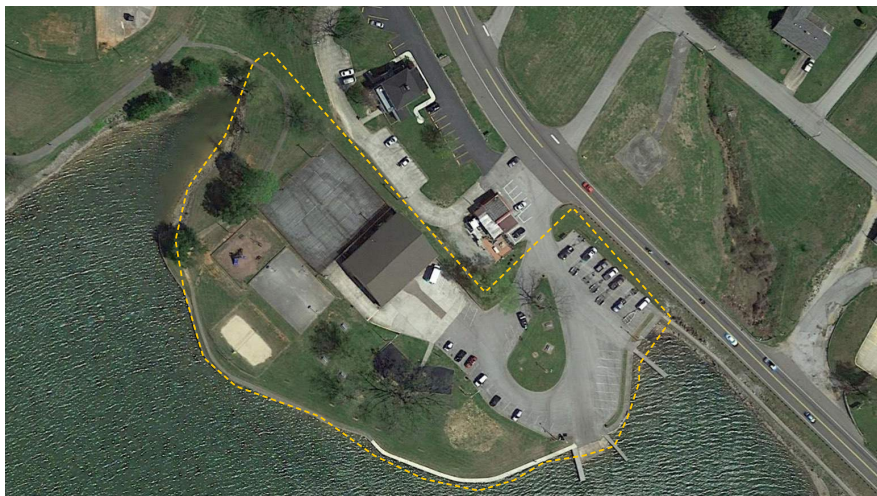
Campground expansion, septic improvements, electricity, and reliable water should be considered in the long term.



Image Courtesy of The Roane Alliance

5.1.2 CITY OF KINGSTON FACILITIES

KINGSTON CITY PARK 333 W. Race Street, Kingston, TN 37763



Park signage is visible and parking spaces are adequate.

A beautiful park located on the Clinch River, with some of the best lake views and views of Fort Southwest Point. This park takes center stage in the summer during July's Smokin' the Water July 4th Festival and in August, Storm the Fort ½ Distance Event. This is a great park to enjoy a day of swimming (no lifeguards) and to launch your kayak or paddle board.²⁶

Kingston City Park is located in downtown Kingston on beautiful Watts Bar Lake. The park's amenities include a basketball court, tennis/pickle ball courts, a volleyball court, two playgrounds, pavilion, picnic tables, restrooms, boat ramps and boat docks.

Amenities

- Large Pavilion with bathrooms
- Playground
- Tennis Courts
- Paved Boat Launch with dock and parking
- Waterfront Walking Trails
- Volleyball Court

Infrastructure

The largest covered pavilion in the County with bathrooms is at Kingston City Park. The Pavilion is located on the northeast corner of the park. There is plenty of parking for the park and the pavilion. There are 9 picnic tables that are large and in good condition. There are plenty of trashcans that are easy to access. The pavilion has 3 fans and lights for evening use. The pavilion is in great condition and will likely need preventative maintenance over the next ten years.

The park has an ADA accessible restroom facility in the pavilion and near the playgrounds.



The pavilion is the largest in the County and is in great condition.



The basketball and tennis courts should be repaved and restriped.



The older playground should be resurfaced with ADA compliant material.



Minor ADA improvements should be made to the parking lot.



The walking path should be widened/resurfaced in many areas.

KINGSTON CITY PARK 333 W. Race Street, Kingston, TN 37763
continued

There is a storage area outside of the pavilion next to the pickle ball/tennis courts that does need to be cleaned up.

The two tennis courts sit behind the pavilion on the North East Corner of the pavilion. The courts are free of cracks and the net and poles on the tennis/pickle court are in good condition and will need routine maintenance. The net on the tennis court needs regular maintenance.

There is one basketball court located adjacent to the tennis courts. It is situated adjacent to the tennis courts and next to the first older child playground. The basketball court does not look to receive much use. The court is not striped and there is no fencing to keep the ball from rolling towards the water. The court should be repaved and restriped in the short term.

The 5-12 children's playground is in good condition. Trees should be planted to provide more shade. The playground surface is in good condition.

The waterfront path around the park is cracked and very narrow. The path should be widened to a 4' minimum path where possible.

The volleyball court is in need of new sand and weed removal. The nets need to be replaced in the short term in order for the court to be usable. The fence surrounding the court is in good condition and will need routine maintenance.

There are several benches that are in the shade that look at the water. These benches will need regular maintenance to stay in good condition.

The infant swings are in good condition with adequate ground over. The swings do not receive much shade and could benefit from trees being planted nearby. They will need routine maintenance to stay in good condition.

The young child playground is ADA accessible and has plenty of equipment for all ages and abilities. The playground surface is in poor condition and needs to be replaced.

The small pavilion overlooking the water, walking trail, and playground is in good condition. There is no path to the pavilion.

Accessibility

Nearly all of Kingston City Park is accessible. There are designated parking spots, ramps, and accessible bathrooms in the pavilion. The playgrounds need better surfacing and the large playground needs an ADA connection off of the basketball court. Where possible, the walking path should be expanded with a kick rail.

ALTON BYRD PARK 1151 Sevier Ferry Road, Kingston, TN 37763



This beautiful area offers a lit 190 foot centered baseball field, bleachers, concession stand, restrooms, and a press box. The ballfield sits directly on Watts Bar Lake and is home to the Kingston Girls Softball Association.²⁷

Amenities

- Softball Field
- Walking Path

Infrastructure

The ballfield is perched on a hill at the north end of the Betty Brown memorial walking trail. The infield is graded appropriately and does not have any erosion issues. The dugouts are in fair condition and will need to be replaced in the next 10 years. The parking lot needs to be repaved and restriped in the short term. The fencing is rusting in several places and will need to be replaced in the midterm. There are two sets of bleachers: one set is newer and requires standard maintenance. The second set is in fair condition and needs to be replaced in the next 10 years.

Accessibility

Alton Byrd Park needs a few improvements to improve accessibility. The parking lot needs to be restriped with signage for Accessible parking spaces. The street crossing at the edge of the parking area presents a danger due to lack of a safe pedestrian crossing, and there are no traffic controls or traffic calming measures along the roadway. There is no ADA seating in the viewing area for the softball field. The restrooms are not accessible and a small ramp is needed to access the restrooms.



The parking lot should be striped with ADA spaces provided.



The bleachers and fencing should be replaced in the long term.

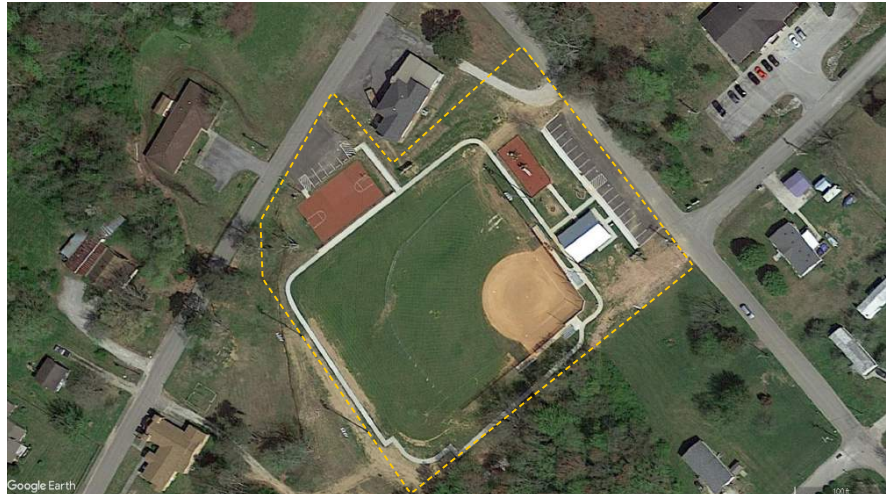


The restrooms should be brought to ADA compliance.

GERTRUDE PORTER PARK 726 Greenwood Street, Kingston, TN 37763



The playground is new and in great condition.



Park signage is visible and located at park entrance.



The basketball court should be resurfaced and restriped.

Gertrude Porter Park is easy to locate as it has a new large sign. It has 2 ADA parking spaces at the entrance and an ADA walking path. The park has a fenced softball field, children's playground, pavilion, restrooms, walking trail and regulation size basketball court.

Infrastructure

Ballfield

The ballfield are in good condition. They are well lit and the bleachers are new. The fencing is in good condition. A shade structure could be added to the dugouts.

Basketball Court

The basketball court does need to be resurfaced and restriped and the nets need to be replaced.

Playground

The playground is fairly new and well maintained. It has different equipment for varying ages to play. It has ADA access to the playground and playing options.

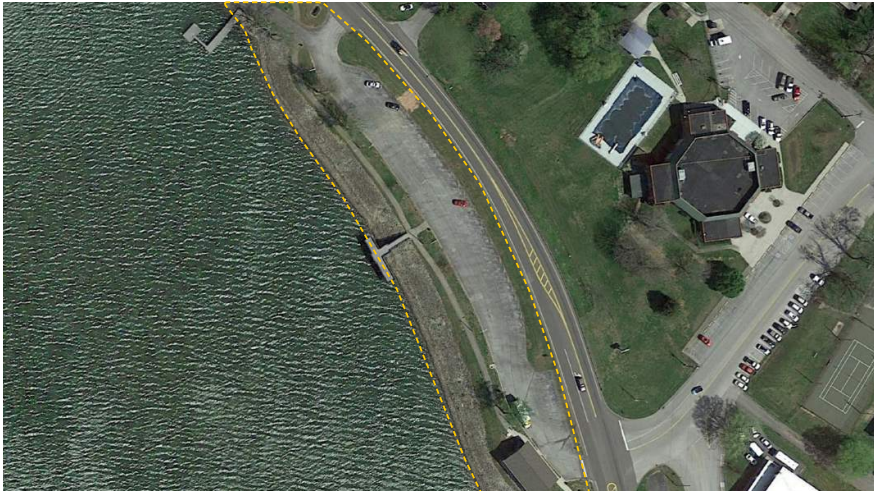
Structures

The Mrs. Green pavilion is in good condition. It has 2 ADA picnic tables and a concession stand.

Accessibility

Gertrude Porter Park is highly accessible. The parking lot is striped. The sidewalks to the pavilion and playgrounds are compliant. The bathrooms are also accessible.

GRAVEL PIT PARK 303 West Race Street, Kingston, TN 37763



The fishing pier is in need of maintenance and repairs.

Gravel Pit Park is located on Watts Bar Lake just across from the Community Center. It offers the Betty S. Brown Memorial Walking Trail, pavilion, restrooms, picnic area, benches, fishing pier, boat ramp, dock, and plenty of parking.

Infrastructure

There is a large sign to easily locate the park. There are 3 ADA accessible parking spots and ramps throughout the park.

The fishing pavilion has 4 picnic tables, electricity, a charcoal grill, and an ADA water fountain is located outside of the pavilion.

The boat launch is clean and in good condition. Some drift wood has accumulated and will probably need to be removed. The adjacent boat dock is small and in good condition. General maintenance is recommended.

The fishing pier is sturdy and needs routine repairs and maintenance.

Accessibility

Gravel Pit Park is an accessible park. There are ADA parking spots and ramps in the park. The water fountain is accessible outside the pavilion. The pier is accessible.



The pavilion is in good condition and offers lots of seating.



The park is located along the Betty Brown Memorial Trail.

58 LANDING AND FORT PAWS DOG PARK

695 and 696 South Kentucky Street, Kingston, TN 37763



The covered marina is often used in the warmer months.



The pavilion restrooms are ADA compliant and in good condition.



58 Landing offers scenic views of Watts Bar Lake.

58 LANDING

Located in Kingston where the Clinch River meets the Tennessee. This park is the mid-way point of Kingston's waterfront trail that connects Kingston City Park to Southwest Point. Also, the starting point of the Storm the Fort Triathlon held in August.²⁸

Amenities

- 18 Covered Boat slips for rent
- Covered Pavilion
- Restrooms
- 2 lane concrete boat launch
- Parking
- Dock
- Convenience Stations
- Park Benches

Infrastructure

A pavilion with restrooms is located on the south corner of the site. There is one picnic table under the pavilion's roof and two nearby. A concrete path leads from the pavilion to the gated and secured boat dock, boat launch, and a free boat tie up. The pavilion is in great condition and will likely only need regular preventative maintenance over the next ten years.

The park has an ADA accessible restroom facility that is under the pavilion's roof. The dock and boat tie up are in good condition and should only need regular maintenance. The 2 lane concrete boat launch is also in good condition. There is adequate parking for the walking trail and the park.

Accessibility

The park has ADA parking with signage. The ADA parking spaces need to be restriped. The pavilion has an ADA accessible restroom and water fountain. The paths to the locked boat dock and the boat tie up are accessible.



The dog park celebrated its opening in summer 2019.



The walking path is new and meanders through the park.



The park entrance has a double gate for pet and owner safety.



The fencing is high to prevent dogs from escape.

FORT PAWS DOG PARK

Fort Paws is a brand new dog park featuring fire hydrants, lots of room to run, dog water fountains, shade trees, benches and more. The parking lot even features a protective coating to keep their feet from suffering burns on the asphalt.²⁹

Accessibility

The park offers accessible parking and a walking path. Some of the benches are not accessible, but overall the dog park is ADA compliant.



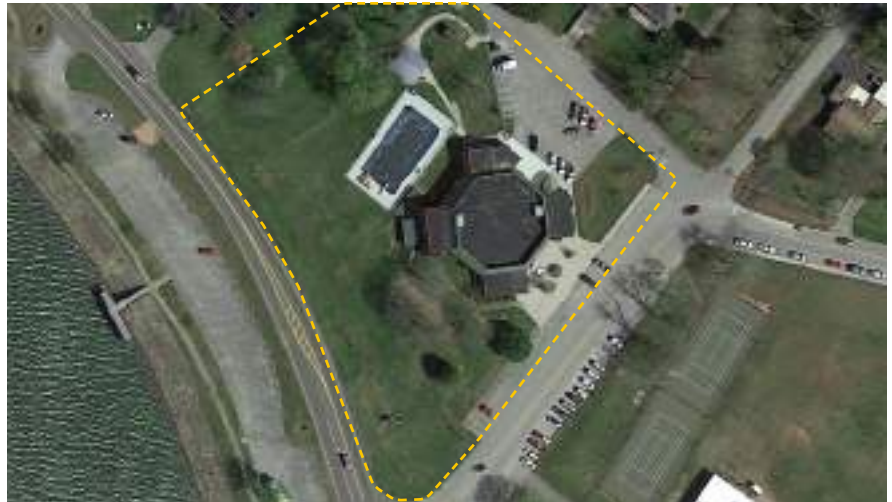
Pet waste bags are provided for the convenience of park users.

KINGSTON COMMUNITY CENTER

201 Patton Ferry Road, Kingston, TN 37763



The entrance to the building requires minor ADA improvements.



The pool is a popular city amenity in the summer months.

Located just off Highway 70 at 201 Patton Ferry Road, it sits across from scenic Watts Bar Lake and City Park. The building offers a large central meeting room, a kitchen, and a variety of meeting and activity rooms. The rooms are available to rent for a set fee. The center is home to senior activities such as daily card playing, quilting, monthly luncheons, and weekly dancing.²⁹

Amenities

- Pool
- Activity Rooms
- Meetings

Infrastructure

The pool is 42 foot by 83 foot and 3 1/2 foot deep to 12 foot deep. There is a 1-meter diving board and two aquatic slides. There is a pavilion and grassy area for sun bathing with a concession stand. Public swim and swim lessons are offered from May to August each year. City lifeguards are on duty at all hours of operation. The pool and surrounding area will need routine maintenance to stay in good condition.

Accessibility

The parking lot does not have signage provided nor do the spaces meet maximum slope requirements. There are no landings at the building entrances, and the slopes at all entrances to the building exceed the maximum allowable slope. Paths to the pool, picnic shelter, and lower level restrooms are not accessible. There is no paved path or accessible seating at the bleachers near the pool. The interior of the community center does not have wheelchair accessible restroom stalls, nor an elevator for access to the lower level. Existing access to the lower level does not meet maximum allowable slope requirements.



The covered picnic area is older but in fair condition.

LAKEWOOD PARK 999 Lakewood Rd, Kingston, TN 37763



The gazebo offers a covered seating area within the park.

Located at 999 Lakewood Road. Also known as the Park "Between the Bridges", this park offers paddleboard and kayak rentals with a handicap accessible kayak launch, gazebo, picnic area, and a fishing peninsula.³⁰

Amenities

- Paddleboard, kayak rental
- Handicap accessible kayak launch,
- Gazebo
- Picnic area
- Fishing peninsula

Infrastructure

The Gazebo is in good condition and will need regular maintenance. There is not an accessible path to the gazebo.

The exteriors of the 2 Shelters/Maintenance sheds are in good to fair condition. Neither was open at the time of the site assessment.

The kayak launch is in good condition. Routine maintenance will be needed to keep it clear of debris. The boat ramp is in fair condition and should also be kept clear of debris.

Accessibility

There is a handicap accessible kayak launch. The gazebo needs an accessible path. There are no accessible parking spaces near the boat ramp under the highway.



The kayak launch is in good condition and provides ADA parking.



The boat ramp needs minor maintenance to keep ramp clear of debris.

LADD PARK 1470 N Kentucky Street, Kingston, TN 37763



The boat ramp needs repair ADA access to the dock is needed.



The adjacent greenway is a fantastic amenity for park users.



The Ladd Pavilion needs minor landscape maintenance.

This park is located in Kingston on the Clinch River where it meets the Emory. Here you will find the new greenway (3.8 miles round trip) through scenic terrain in Ladd Landing, perfect for biking, walking, and exercising.³¹

Amenities

- Boat Ramp
- Fishing Pier
- 2 Pavilions
- Boat Dock
- Greenway

Infrastructure

This great outdoor park is located at 1470 North Kentucky Street on the Clinch River and the mouth of the Emory River. This park has a large boat launch, covered pavilion, picnic area with grills, fishing dock, outdoor exercise stations on the greenway and restrooms on the greenway and in the park. The park is in good condition. Some general maintenance to the boat dock and restrooms are needed. There was no ADA access to fishing pier, boat dock, and lake side pavilion.

The pedestrian and vehicular paving is in good repair. There are plenty of parking spots, but there were no ADA spots visible. The shared use trail connection on-site provides good circulation to Ladd Park Pavilion.

The boat dock needs some minor repairs, and the boat ramp is needs to be repaved.

The pavilion is well landscaped, and some general maintenance is needed to the siding and to the restrooms. The pavilion walls need cleaning and painting, and the gutters and downspouts are damaged in some areas. Splash blocks at the bottom of the downspouts are missing.

The small pavilion needs an accessible path and improved picnic furnishings.

Accessibility

Ladd Park is mostly accessible, but needs a few ADA improvements. There is no accessible parking at this facility. There is not any accessible signage provided on site. Trimming some of the shrubs away from the walkways around the pavilion would help make the space more accessible.

Restroom signage exceeds the maximum mounting height, and is not tactile. There are no wheelchair accessible stalls provided in the restrooms. The path to the main picnic shelter exceeds the maximum allowable slope. There is no accessible path to the small picnic shelter or fishing pier. The path to the boat dock exceeds the maximum allowable slope.



Furnishings and ADA access are needed at the smaller shelter.



Photo of bikers enjoying the greenway. - www.roanetourism.com



The boat dock is in need of minor repairs and maintenance.



ADA access is needed to the fishing pier.



The large boat ramp needs resurfacing.

5.1.3 CITY OF ROCKWOOD

BRICKYARD SPRINGS PARK AND J.B. OLINGER FIELD

Reese Street and Martin Luther King Avenue, Rockwood, TN 37854



The basketball court should be repaved and restriped.



The pavilion is new and in good condition.



The parking lot needs to be repaved/striped with ADA spaces.

The J.B. Olinger ballfield is utilized by Rockwood youth baseball, youth softball, and high school softball and doubles as a youth practice field when the fields in the complex are full. The Brickyard Springs Park is adjacent to the ballfields and features outdoor basketball courts. The city recently added a new pavilion, grills, restrooms, and picnic tables. An annual Brickyard homecoming event is held each year in August.³²

Overall, Brickyard Springs is in fair condition. The park contains parking, basketball courts, pavilion, and restrooms. It also has a cleared dirt trail that connects to J.B. Olinger Field. The J.B. Olinger Ball Field is in fair condition. There are no ADA parking spaces. Bleachers and dugouts are not ADA accessible, there are grading issues in the outfield.

Infrastructure

Brickyard Springs Basketball Court

The basketball court is showing wear and tear and needs general maintenance. It was recently painted and cracks were sealed. There are two benches behind the court that will need to be replaced.

Brickyard Springs Pavilion

The pavilion is good condition. It has 4 picnic tables, electric outlets and ADA access to the pavilion.

J.B. Olinger Softball field

The outfield needs to be regraded as there is a drop-off in grade from the infield to the outfield. The fences should be replaced in the midterm. General lawn maintenance is needed with the batting cage. The ball field is well lit, but the wood poles need replacing.

The concession building is in fair condition and is in need of improvements. Asphalt shingles at the edge of roof are curled downward. The fascia is missing flashing and is exposed and weathered. The top surface of the wing wall at the restroom entries is beginning to chip away in certain areas.

Accessibility

There are many ADA issues that will need to be addressed in the short term. At Brickyard Springs Park, there are no ADA parking spots on site, the parking lot will need to be resurfaced and striped to include ADA spaces. The access to the basketball court, pavilion, and restrooms is adequate. The bathrooms are ADA compliant.

At J.B. Olinger Field, there are no ADA parking spaces or signage, and the slope percentage of the path from the parking lot to the concession building is not compliant. The parking lot should be repaved and restriped to include ADA parking spaces and signage. There is no ADA access to the dugouts, ball field, or bleachers. There is access to the restrooms and concession area. However, there are no wheelchair accessible stalls provided in the restrooms and the concessions counter exceeds the maximum allowable height. The toilet paper dispenser exceeds the maximum height and distance from the front of bowl requirements.



The outfield is in need of regrading.



A formal trail connection is needed from the Ballfield to Brickyard Springs



An ADA compliant walking path is needed at the ballfield.



The restroom/concession building is in need of major repairs and/or replacement.



The bleachers are not ADA accessible.

TOM FULLER MEMORIAL PARK

1360 Pumphouse Road, Rockwood, TN 37854



Park signage is visible and located at park entrance.



The pavilion will be removed in the long term for additional parking.



The restroom building is in need of ADA toilets and structural repairs.

The Dr. Thomas A. Fuller Boat Dock is a part of the Waterfront Park bordering beautiful Watts Bar Lake, featuring a nice parking lot, boat launching ramp, pavilion, picnic tables, restrooms, and several floating fishing piers and docks, including handicap accessible. A recently awarded enhancement grant will connect the downtown to the Rockwood Waterfront via a greenway, including sidewalk improvements and additions, bike lanes, pedestrian lighting and a handicap accessible trailhead complete with restrooms at the lake. City leaders support further development of the lake property as an economic driver and additional recreational opportunities for citizens and visitors.³³

Amenities

- 4 Docks
- Fishing Pier
- Boat Ramp
- Concession Building
- Pavilion
- Picnic Area

Infrastructure

The park is in good condition. There is a boat ramp, 2 fishing docks, and 2 boat docks that are all in good condition. The pavilion is also in good condition, but it is understood that it will be removed when the parking lot is expanded.

The restroom/concession building is in fair condition. The restrooms are out of order due to the need of sewer or other sewer disposal, and portable toilets are sitting in front of the permanent restroom entrances as a temporary measure. The settling of the foundation is causing major cracks in load bearing walls of the restroom / concessions building.

Accessibility

There are a few ADA adjustments that need to be made at the park. Overall, the site is very steeply sloped. There are no ADA parking spaces or signage in the parking lot. There is no ADA access to the concession area, picnic tables, or pavilions. The piers and dock are accessible. The 3 portable toilets are not ADA accessible, nor are the permanent restroom facilities. There is no guardrail provided at drop off or steeply sloped asphalt outside the concessions area. The concessions counter exceeds the maximum allowable accessible height. There is no visible braille signage.



The boat ramp needs widening and a new dock should be installed.



The picnic area offers a pleasant space to enjoy the outdoors.



The fishing pier is in good condition.



The parking lot is in need of ADA spaces.



The multiple piers docks are in good condition but need ADA access.

MIKE “BRILLO” MILLER SPORTS COMPLEX

700 S. Chamberlain Street, Rockwood, TN 37854



The park signage is visible and in good condition.



The seating areas require minor maintenance.



The playground and swings are in good condition but need ADA access.

The complex has five lighted and well-maintained softball & baseball fields. The city recently invested in a lighted soccer field, complete with a newly constructed concession stand and restrooms. The field is utilized by the high school and middle school boys and girls soccer teams. New playground equipment was recently installed and is located near a pavilion area, ideal for picnics or parties.³⁴

Amenities

- Softball Field
- Baseball Fields
- Soccer Field
- Playground
- Pavilion
- Trails

Infrastructure

Fields

The 5 baseball and softball fields are in great condition. The fields are well maintained and well lit. At the main baseball fields, there is some cracked and spalled concrete at the base of the guardrails. At the far baseball field (near the soccer field), the dugouts are heavily weathered and fascias need painting.

Playground

The playground and swings need ADA access. The playground is well maintained and has a variety of equipment for all ages.

Pavilion

The pavilion is large and in good condition. There are two picnic tables and accessible restrooms. Measures have been taken to prevent bird nesting.

Fieldhouse/ Batting Cages

There is a large puncture in the exterior CMU wall near the large roll up door. The downspout near the main door is heavily damaged.

Accessibility

There are a few small ADA issues. The ADA parking spaces are far from the ballfields and are in parking islands. There are no access aisles or wheel stops provided. There is also no visible ADA signage in the parking lot. There is no ADA access to soccer field, lower ball field, lower concessions or playground. There is no ADA access to the main ball fields. The slope percentages are excessive on most walkways around the baseball fields. There is no ADA access for spectators at the soccer field, far ball field, pavilion or the playground.

The main concessions stand/restroom building and the far restroom building do not have wheelchair accessible bathroom stalls. The pavilion restrooms provide wheelchair accessible stalls, but there are no grab bars or ADA accessories mounted at the correct heights or locations. All lavatories on-site exceed the maximum required height. The main and far concession stand counters exceed maximum height.



The concession building requires ADA updates.



Rockwood Forest offers 5+ miles of volunteer developed trails.



The ballfields are in great condition and are a great amenity for Rockwood.



The small ballfield is in need of ADA access.



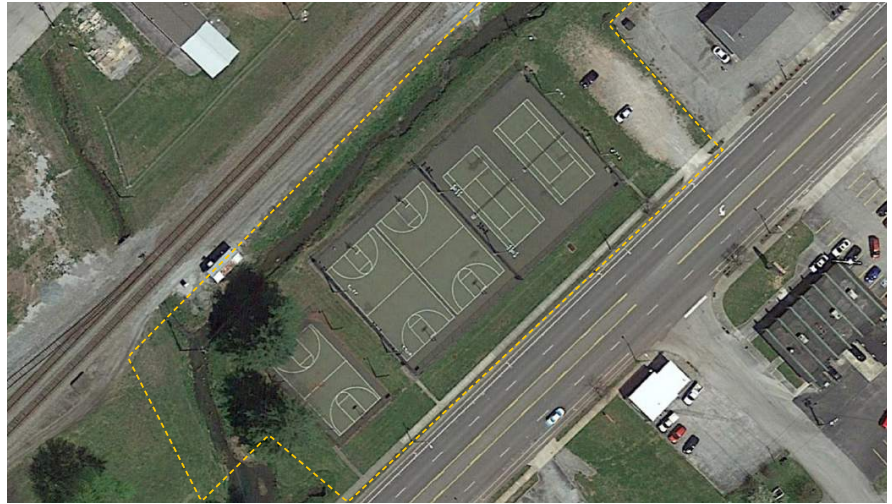
The pavilion is large but in need of ADA improvements.

ROCKWOOD TENNIS AND BASKETBALL

201 Gateway Ave, Rockwood, TN 37854



Park rules are visible at court entrance .



The city's tennis and basketball courts are located on Gateway Avenue, the main thoroughfare through town. All the courts were recently resurfaced and nets and goals were replaced. The court area is one of the most visited areas in the city. Young and old alike try out their skills at basketball and tennis.³⁵

Infrastructure

Tennis and Basketball Courts

The Rockwood tennis and basketball courts are in fair condition. The surfaces need repaving, ADA access needs to be improved, and some of the nets need to be replaced.

The fences are in good condition. A few of the courts need to be resurfaced in the short-term. The goals are in good condition, but some of the nets do need to be replaced. The courts are well lit.

Accessibility

There are no ADA parking spaces and the parking lot needs to be paved. The paths to the courts are not wide enough for ADA compliance. The sidewalks are in good condition.



Minor resurfacing and net replacement is needed.



A paved parking lot with ADA stalls is recommended.



The connector paths are very narrow and not ADA compliant.

DOUGLAS E. WILSON COMMUNITY CENTER

700 N. Chamberlain Ave, Rockwood, TN 37854



The community center has a gymnasium where youth & adult basketball leagues enjoy indoor basketball. The outdoor swimming pool is used not only by the public, but also the local swim team for competitive swimming, aerobics, swim lessons and swim parties, all during certain months of the year. The center has community rooms for events such as birthday parties, quilting, and bingo for the senior citizens. The rooms are also heavily used by civic groups and local industries for training.³⁶

Infrastructure

The building is in generally good shape, with only minor repairs needed. It needs to be brought up to ADA standards and adhere to current safety codes. The pool and pool deck are the largest issues that need the most attention.

Main Building

The facility is adequate, but some programmed spaces are not being utilized to their full potential. The roof is new. Two exterior doors do not fully close due to misalignment. The brick veneer is cracked and separated at mortar joints. This is perhaps due to settling or moisture infiltration/improper drainage of cavity. Both sets of exit doors at the gymnasium are barred from the inside.

Pool

The pool has a major leak underneath the concrete floor. The Pool deck is cracked and spalling. The precast rim is separating from the pool deck. The pool level parking lot needs repair and restriping. There are some visible cracks, spalling, and missing concrete in the sidewalks.

Accessibility

There is no signage at accessible parking spaces. The parking spaces and ramp to main entry exceed maximum allowable slope. Exit door landings and path to safety exceed maximum allowable slope. There is no elevator provided. There is no ADA access to the gym or pool. The pool level parking lot ADA spaces exceed the maximum allowable slope. The slope of the sidewalk to the pool is 9%. The main floor drinking fountains have been replaced with a water dispenser. The kitchen counters exceed the maximum allowable height. The restrooms do not provide wheelchair accessible stalls and one lavatory is missing.



The parking lot should be striped with proper ADA spaces provided.



The surface around the pool is in need of major repairs.



The greenspace next to the pool is underutilized.



ADA compliant paths to the pool are recommended.



The side basement access is very steep and should be studied for ADA compliance.



Graffiti should be removed from all doors and facades.



Community center signage is visible and in good condition.



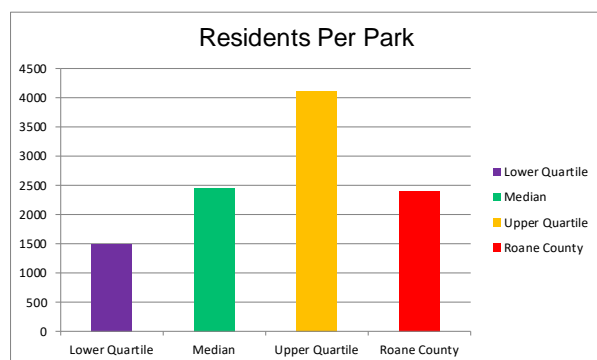
The parking lot is in need of new asphalt and striping.

5.2 NATIONAL METRICS

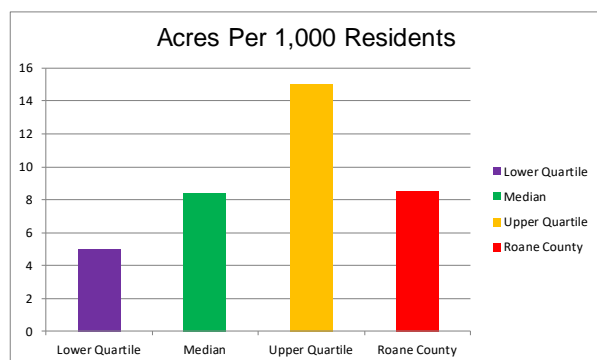
The 2019 NRPA's (National Recreation and Park Association's) Park Metrics is the national industry standard benchmarking tool that assists park and recreation professionals in the effective management and planning of their operating resources and capital facilities. *The 2019 NRPA Agency Performance Review*⁸⁷ contains data from 1,075 unique park and recreation agencies across the United States as reported between 2016 and 2018. Most of the data is presented with medians, along with data responses at the lower-quartile (lowest 25 percent) and upper-quartile (highest 25 percent). The data allows for insights into not only where an agency stands compared to 'typical' agencies (i.e. those at the median values), but also compared to a full spectrum of agencies at both the high and low quartiles.

Roane County Facilities

When compared to the median, Roane County has about 1.5% less residents per park. The median for jurisdictions with 50,000 to 99,999 persons was one park for every 2,451 residents. Roane County, with a population of 53,140, has a calculated 2,415 residents per park.

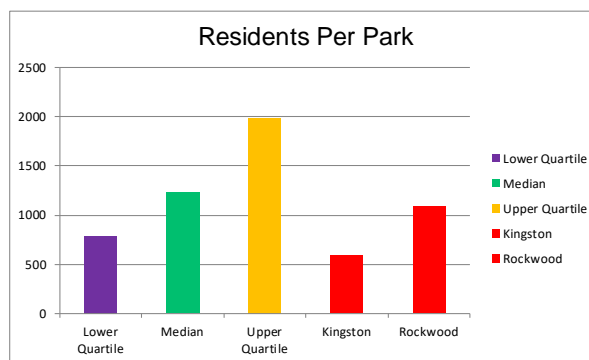


Roane County has approximately 2.0% more acres of park land per 1,000 residents when compared to the median. The median for jurisdictions with 50,000 to 99,999 persons is 8.4 acres per 1,000 residents. Roane County, with a population of 53,140, provides 8.57 acres per 1,000 residents.

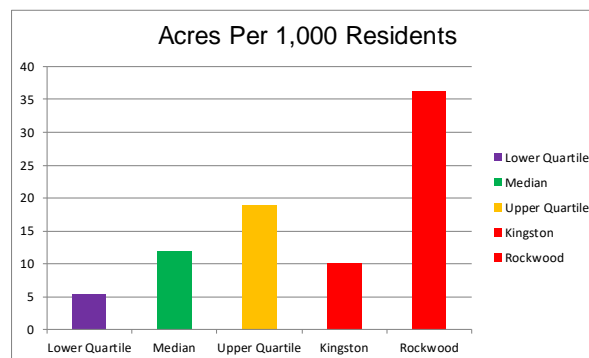


Kingston and Rockwood Facilities

The cities of Kingston and Rockwood were very similar in population, with only a difference of 373 persons between them in 2018. Rockwood's population was 5,452 and Kingston, 5,825. When compared to the median, Kingston as 52.7% less residents per park and Rockwood about 11.6% less residents per park. The median for jurisdictions with 20,000 persons or less was one park for every 1,231 residents. Kingston, with a population of 5,825 has a calculated 583 residents per park. Rockwood with a population of 5,452 has 1,090 residents per park.



Kingston has approximately 14.5% less acres of park land per 1,000 residents and Rockwood over 300% more acres per 1,000 residents when compared to the median. The median for jurisdictions with 20,000 persons or less is 11.8 acres per 1,000 residents. Kingston, with a population of 5,825 provides 10.1 acres per 1,000 population and Rockwood provides 36.3 acres per 1,000 residents.



5.3 COMMUNITY COMPARISON

To understand how well Roane County and the Cities of Kingston and Rockwood are meeting the needs of community residents, comparisons were made to three similar sized jurisdictions in Tennessee for both the County and the cities.

5.3.1 ROANE COUNTY

For a comparison to Roane County, three other Tennessee counties were selected that also had a projected population of between 53,000 to 54,000 in 2018. Two of the counties neighbor Roane; Loudon County to the east (population 53,054) and McMinn to the south (population 53,285). The third County, Dickson County (population 53,446) is located west of Nashville in Middle Tennessee. The following table shows demographic information for each of the 3 counties as compared with Roane:

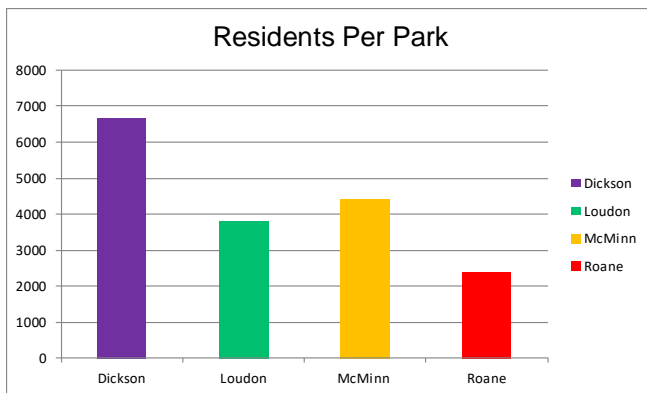
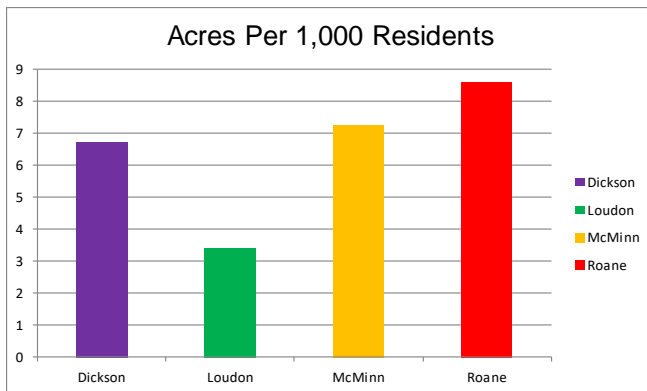
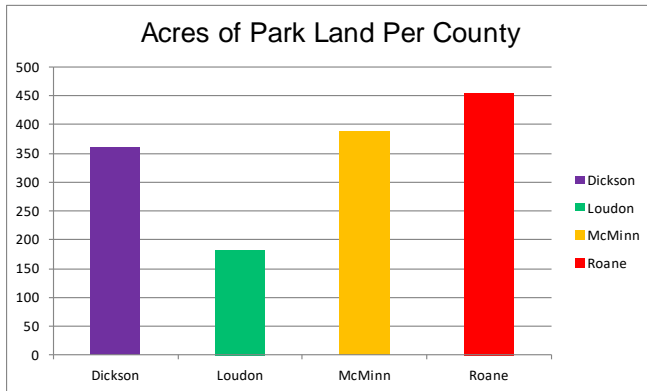
Roane County is the only County of those used in the comparison to lose population since the 2018 census. Of the four counties, Roane was closest to the average square miles of area, 391.2 square miles and density, 146.3 square miles. However, Roane County had the greatest number of households. Roane had the lowest percentage of households with children, the highest percentage of elderly heads of households, and the highest median age of 45. In general, relative to the other three counties, Roane County's population is decreasing and is getting older. Loudon County's per capita income (PCI) was more than double the PCI of the other counties plus Loudon had the lowest percentage of racial minorities.

Park Facilities

To evaluate Roane County's parks in relation to the parks in the counties listed above, the number of residents per park and park acres per 1,000 residents are compared. As discussed in Section 5.2, a similar comparison was used in the 2019 NRPA Agency Performance Review.

Roane County clearly provides more park land for its residents than counties of similar size in Tennessee. The average population served by parks among the four counties is 4,331. Roane County provides 8 more parks than the 4 which is the average. The County also provides more than two acres of park land per 1,000 population than the average of four counties.

DEMOGRAPHICS COMPARISON- COUNTY										
	2018 POP.	% CHANGE SINCE 2010	AREA SQUARE MILES	DENSITY	HOUSEHOLDS	HOUSEHOLDS WITH CHILDREN	HOUSEHOLDS WITH ELDERLY	MEDIAN AGE	PER CAPITA INCOME	MINORITY %
Dickson	53,446	+7.6	491	101 / sq. mi.	16,473	35.6%	8.9%	36	\$18,043	6.75%
Loudon	53,054	+9.3	247	212 / sq. mi.	15,944	28.4%	10.1%	41	\$40,401	4.10%
McMinn	53,285	+1.9	432	122 / sq. mi.	19,721	31.4%	10.4%	38	\$16,725	7.28%
Roane	53,140	-1.9	395	150 / sq. mi.	22,376	23.9%	12.2%	45	\$18,456	5.60%



5.3.2 CITIES OF KINGSTON AND ROCKWOOD

As mentioned before, the cities of Kingston and Rockwood are similar in population. The projected 2018 population of Kingston was 5,825, only 373 more residents than Rockwood's 5,452. For a comparison, three other cities were selected in East Tennessee that also had a population in 2018 of between 5,000 and 6,000 persons. The City of Loudon in neighboring Loudon County had a population of 5,809. Two upper East Tennessee cities are included in the comparison, the city of Mount Carmel, just west of Kingsport had a population of 5,305, and Erwin in Unicoi County had a population of 5,853.

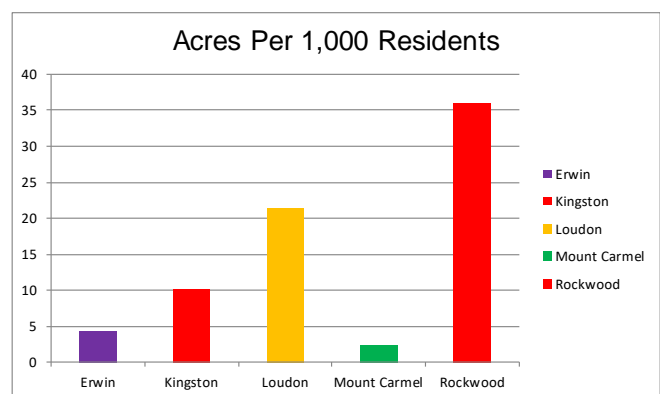
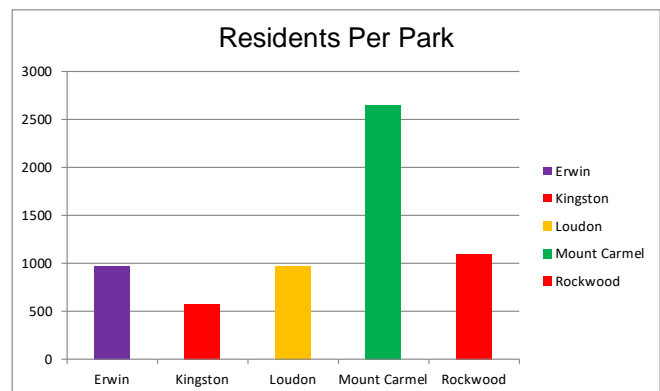
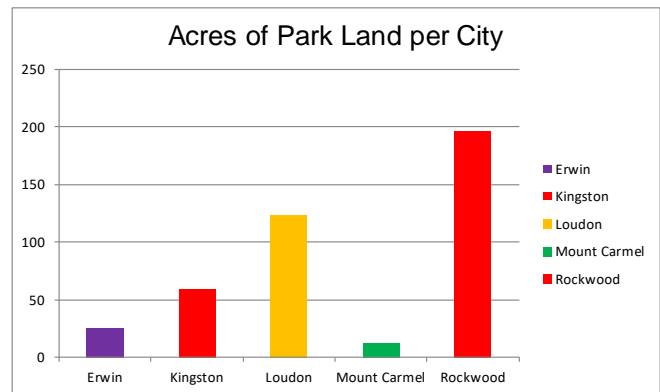
Of the five cities, Erwin is the smallest in area and Loudon is the largest. The average size of the five cities is 5 square miles. Kingston and Rockwood are very similar in size; Rockwood being only one tenth of a square mile (7.9) larger than Kingston (7.8). The average population density was 874.2 persons / sq. mi. Both Kingston and Rockwood's density was lower than the average. The average number of households among the five cities is 2,211. Both Kingston and Rockwood had a number greater than the average. Except for Mount Carmel, the percentage of households with children under 18 and with elderly heads of households were very similar and three of the cities had a median age of 42. Based on the data, the City of Mount Carmel has a younger population. The average per capita income among the five cities was \$16,851. Kingston had the highest per capita income, 17% greater than the average and Rockwood the lowest, 22% below the average. Loudon was by far the most racially diverse city.

DEMOGRAPHICS COMPARISON- CITY										
CITY	2018 POP.	% CHANGE SINCE 2010	AREA SQUARE MILES	DENSITY	HOUSEHOLDS	HOUSEHOLDS WITH CHILDREN	HOUSEHOLDS WITH ELDERLY	MEDIAN AGE	PER CAPITA INCOME	MINORITY %
Erwin	5,853	-4.0	3.6	1,582 / sq. mi.	2,470	23.4%	18.3%	44	\$15,868	2.3%
Kingston	5,825	-1.8	7.8	835 / sq. mi.	2,263	26.0%	14.8%	42	\$20,301	6.3%
Loudon	5,809	+8.0	9.6	480 / sq. mi.	1,910	23.6%	16.3%	42	\$18,281	16.8%
Mount Carmel	5,305	-2.3	6.9	783 / sq. mi.	1,935	31.9%	8.2%	38	\$16,702	1.8%
Rockwood	5,452	-2.0	7.9	691 / sq. mi.	2,478	25.2%	16.9%	42	\$13,106	7.2%

The following graphs provide a comparison of the selected cities provision of park facilities within their communities. The comparison is based on facilities that are owned or managed by each city. Again, the data provides a similar comparison as used in the 2019 NRPA Agency Performance Review.

Obviously, Mount Carmel is an anomaly among the five cities in regards to their small number and total acreage of park land. There are two reasons for this situation. First is their location, as they are located very close to the City of Kingsport which has many parks; and second, they have joint-use agreements for mutual park usage with the nearby cities of Church Hill and Surgoinsville. Among the other four cities, the average acres of park land available is 101.5. Kingston's park land average is 42% less than the average and Rockwood has the greatest amount of park land with 93.3% more park land than the average. Not including Mount Carmel, the average population per park is 904.1 persons. Kingston has 35.6% fewer persons per park than the average. The following graphs provide a comparison of the selected cities provision of park facilities within their communities. The comparison is based on facilities that are owned or managed by each city. Again, the data provides a similar comparison as used in the 2019 NRPA Agency Performance Review.

Obviously, Mount Carmel is an anomaly among the five cities in regards to their small number and total acreage of park land. There are two reasons for this situation. First is their location, as they are located very close to the City of Kingsport which has many parks; and second, they have joint-use agreements for mutual park usage with the nearby cities of Church Hill and Surgoinsville. Among the other four cities, the average acres of park land available is 101.5. Kingston's park land average is 42% less than the average and Rockwood has the greatest amount of park land with 93.3% more park land than the average. Not including Mount Carmel, the average population per park is 904.1 persons. Kingston has 35.6% fewer persons per park than the average and Rockwood has 20.6% more persons per park than the average. The average number of acres of park land per 1,000 population among all the cities not including Mount Carmel is 17.9 acres. Kingston has 43.5% less acres / 1,000 and Rockwood has more than double the average acres / 1,000.



5.4 PUBLIC INPUT PRIORITIES

Through surveys, public workshops and interviews, public feedback was gathered regarding an assessment of existing parks and development of future parks and recreation facilities. In general, the public seems pleased with the parks and programs offered in the County. During the survey, when asked “How satisfied are you with the current parks and recreation facility and activities in Roane County?” Nearly 60% of the respondents replied that they are satisfied or very satisfied. There were two questions on the survey that provided similar results. When asked “if you are ‘unsatisfied’ or ‘very satisfied’ (With the current parks and recreation facilities and activities), what recommendations would you offer to improve the facilities”; and when asked “Are there any additional activities that members of your household would like to see provided by Roane County?” The following were the most common responses in order of their prevalence: (See Section 4.1)

- Provide additional hiking and biking trails
- Provide an indoor pool/recreation center
- Provide a lacrosse field/facility
- Improve/provide additional splash pads

During the community input meetings, the citizens were given the opportunity to participate in a “dot exercise” to respond to four general questions: “What do you like or dislike about existing park and recreation facilities?”, “What new park and recreation facilities are needed?” The response varied to the four questions and there was not a predominant concern that mirrored the responses to the survey except for one; more citizens indicated that an indoor pool/recreation center was needed than any other new facility or program. During the meeting, there was also discussion about the fact that all the facilities in the County are north of the river and that there is no public park facility, other than boat ramps, and a marina, in the large portion of the County south of Watts Bar Lake. (Section 4.2)

5.5 PRIORITIZATION OF NEEDS

The following prioritization of needs correlate directly to the findings on the needs assessment in Sections 5.1 through Section 5.4. Overall, according to nation’s comparisons there is no evidence that there is a need for additional parks in Roane County. The two national benchmarks against which the County was evaluated, are conclusive evidence that the County has an adequate amount of recreational opportunities. There are 2,415 residents per park in Roane County, just slightly below the nation median of 2,451. There are 8.57 acres of parkland per 1,000 residents in Roane County, slightly more than the national median of 8.4 acres. The fact that Roane County is adequately providing for the parks and recreation needs of its citizens is even more evident when comparing the County to other counties of similar size in the state. Roane County provides more parks and more acres of parkland than the other counties with populations between 150,000 to 160,000 in Tennessee (See Section 5.2).

Roane County has an unusually high number of outdoor recreation acreage that is not owned or operated by local governments, but by state and federal agencies. According to the Roane Tourism Board, there are 56,000 acres of recreation that includes the rivers and lake, parks, trails, wildlife areas and golf courses. TVA and the DOE controls most of the 700 + miles on Watts Bar Lake, one of the largest in the Southeast, and provides numerous outdoor amenities by way of lake access, campground, picnic areas, and wildlife management. There are also eighteen (18) marinas on Watts Bar Lake and three State Parks in the counties adjoining Roane. When asked in the community-wide survey what and where the respondents family participates in recreation activities other than city and County parks, a large number indicated that they participate in activities at these stated and federal park lands. Undoubtedly, if the miles of shoreline and acreage of the state and federal parks and reservations were added to the total park land acreage, Roane County would far exceed a comparison to other counties in Tennessee and nationwide.

However, when discussing Countywide needs, while there is no evidence that the County needs additional parks, when asked in the survey and during public meetings if there are any additional facilities or activities your household would like to see provided, an indoor pool and/or recreation center was a prevalent response. There was some discussion concerning a County wide indoor recreation center and indoor pool at the draft plan workshop. The discussion became a conversation about a County-wide 501(c)(3) organization such as a Roane County Sports Foundation that could assist in fundraising for such an endeavor.

Included in the recommendation section of this plan is a reference to the need for further investigation this concept.

The following priority list was developed based upon the needs assessment and workshop with local officials. The priorities are grouped according to realistic time frames and strategies for implementation. The schedule for improvements over the next ten years include those that could be included in upcoming grant applications and budget cycles or in the short term (next 2 years). Mid-term goals (3-5 years) are envisioned as these practical and realistic given the foreseeable future budgets and the improvements that will be needed during this time frame. Improvements for the long term (6-10 years) were identified during the planning process but specific strategies for funding and schedules for implementation are undetermined at this time.

5.5.1 PRIMARY HEALTH PRIORITIES

Reducing rates of physical inactivity and improving mental health outcomes in Roane County can be prioritized and positively impact all leading health issues in the community.

The Roane County Parks and Recreation Planning effort is positioned to positively impact Roane County health by making increased use/accessibility and maintenance/safety a priority. Individuals with safe and accessible routes to paved paths, parks, and community centers are more likely to exercise and utilize facilities – improving both physical and mental health outcomes.

Acknowledging the varied spatial distribution of vulnerable populations (low-income, elderly, children) within the County can also offer insight and impetus for prioritization and infrastructure upgrades.

5.5.2 HEALTH PRIORITY MATRIX

	Influencing Factors					
	PHYSICAL ACTIVITY	ACCESSIBILITY/ ACCESS	COMMUNITY (Social/ Cohesiveness)	NATURE CONTACT	MENTAL WELLNESS	SAFETY
Health Issues: - Heart Disease - Cancers - Stroke - Diabetes - Obesity/Overweight - Mental Health*						
Trails and Walking Paths	X	X	X	X	X	X
Pedestrian Connectivity	X	X		X		
Open Space	X		X	X	X	
Community/Gathering Spaces			X	X	X	X
Courtyards			X	X	X	
Meditative Spaces				X	X	
Aesthetic Gardens				X	X	
Views of Nature				X	X	
Shade Trees along Trails Spaces	X			X	X	X
Plantings				X	X	
Site Lighting		X	X		X	X
Outdoor Eating Spaces		X	X	X	X	
Outdoor Seating	X	X	X	X	X	X
Wildlife/Biodiversity			X	X	X	
ADA Improvements*	X	X	X	X	X	X
Sports/Recreation Facilities*	X	X	X		X	
Supporting Infrastructure*		X			X	X
Maintenance*		X				X
Targeted Programming*	X	X	X	X	X	X
Community/Gathering Spaces*			X	X	X	X
Kiosk for Community Information			X			
Edible Gardens	X	X	X	X		
Wayfinding	X	X				X

Selected Design Recommendations

- Mental Health - Anxiety, Depression, Stress
- Sports/Recreation - Facility Development, Ball Fields, Courts, Batting Cages Pools, Playgrounds
- Community/Gathering Spaces - Pavilions, Bleachers/Grandstands, Campsites
- Supporting Infrastructure - Restrooms, Concessions, Water Fountains, Signage, Piers, Boat Slips, Parking
- Maintenance - Lighting, System/Mechanical Repairs, Restriping, Repaving
- ADA Upgrades and Improvements - Restrooms, Sidewalks, Access Points, Signage

5.5.3 ROANE COUNTY PARKS

The following are the priorities for improvements for the next 10 years:

ROANE COUNTY PARK

Short-Term (1-2 years)

- ADA Improvements
- New All-Weather Event Space
- Tent Campsites at Boy Scout Area
- Provide 1 Mile of Hiking Trail
- Shelter and Parking Lot Improvements

Mid-Term (3-5 years)

- Construct 2 new Metal Pavilions
- Construct New Splash Pad Restrooms

Long-Term (6-10 Years)

- New Splash Pad
- Repurpose Baseball Field for Lacrosse / Practice Field

CANEY CREEK TRAIL LOOP AND RECREATION AREA

Short-Term (1-2 years)

- Clearing and Grubbing for Trail Construction
- Bridle Path North of Recreation Area
- 1 Mile of Natural Surface Trail Along Caney Creek Road
- Concrete Trail at Land Bridge
- Replace vehicle bridge

Mid-Term (3-5 years)

- Provide 25 Organized Group Campsites
- Construct 2.5 miles of Campground Trails
- Install Bridge for Horse Trail

RILEY CREEK CAMPGROUND

Mid-Term (3-5 years)

- Replace Deteriorated Roofing and Supports at Bathrooms
- ADA Improvements for Bathrooms

Long-Term (6-10 Years)

- New Restrooms
- Paving Roads
- 50 amp and reliable water to Campsites
- Septic Line Repair and Replacement

EMORY GAP PARK

Short-Term (1-2 years)

- Install new ADA sidewalk
- Install new signage
- Repave and Restripe both Parking Lots
- Repave and Restripe Basketball Court
- Replace Basketball nets

Mid-Term (3-5 years)

- Remove Backstop and Fence
- Relocate the Swings to the Playground Area

CANEY CREEK BOAT ACCESS AREA

(Note: The following proposed improvements are dependent on the actual construction plans for TDOT's proposed US 70 improvements)

Short-Term (1-2 years)

- Add 2 ADA Striped Parking Spaces
- Add Concrete ADA ramps leading to boat docks

Long-Term (6-10 years)

- Provide new restrooms

SWAN POND SPORTS COMPLEX

Short-Term (1-2 years)

- Pave and stripe ADA spaces near pavilion
- Construct ADA sidewalk from spaces to pavilion

Mid-Term (3-5 years)

- Construct 2 practice fields

Long-Term (6-10 Years)

- Construct Baseball Sports Complex

5.5.4 CITY OF KINGSTON

FORT SOUTHWEST POINT PARK

Short-Term (1-2 years)

- Restripe Angled Parking
- Install Indoor Batting Cages
- Replace Post at Concession Building
- Provide Drinking Fountain

Mid-Term (3-5 years)

- Add 6' Wide ADA Path to Track
 - Miscellaneous ADA Improvements
 - Install Storage Shed
 - Replace Grandstands at Ballfield with Aluminum
 - Repair Concrete Grandstands at Track
 - Long-Term (6-10 years)
 - Repave and Restripe Track
 - Install New Ballfield Lighting
-

ALTON BYRD PARK

Short-Term (1-2 years):

- Construct ADA Compliant Restrooms
- Miscellaneous ADA Improvements
- Repave and Restripe Parking Lot with ADA Spaces
- Replace Grandstands at Ballfield with Aluminum
- Replace Backstop

Mid-Term (3-5 years)

- Replace Fence

Long-Term (6-10 years)

- Repave Asphalt Walking Path
-

KINGSTON CITY PARK

Short-Term (1-2 years):

- Replace Drinking Fountain in Pavilion
- Replace Exhaust Fan and Repaint Ceiling in Restroom
- Provide Wheelstops at Handicap Parking Spaces
- Replace Volleyball Sand and Net
- Replace Surface at Older Playground

Mid-Term (3-5 years)

- Repave and Restripe Basketball Court
- Repave and Restripe Tennis / Pickleball Court

Long-Term (6-10 years)

- Repave and Widen Walking Path Along River

Gertrude Porter Memorial Park

Short-Term (1-2 years)

- Replace Infield Mix

Mid-Term (3-5 years)

- Repave and Restripe Basketball Court

Long-Term (6-10 years)

- Replace Outfield Fence
-

GRAVEL PIT PARK

Short-Term (1-2 years)

- ADA Signage
 - Repair Fishing Pier
-

LADD PARK

Short-Term (1-2 years)

- Add ADA Parking Spaces
- ADA access to Pavilion and Pier
- Miscellaneous ADA Improvements
- Expand Parking Lot
- Relocate Bike Rack
- Pavilion Repair and Maintenance

Mid-Term (3-5 years)

- Replace Boat Ramp
- Add Vol Navy Boat Slips

Long-Term (6-10 years)

- Clearing and Grubbing
 - Expand Parking Lot
-

KINGSTON COMMUNITY CENTER

Short-Term (1-2 years)

- Construct and/or Provide ADA Improvements
- Replace Roof
- Repair Exit Signs

Mid-Term (3-5 years)

- Repair Mechanical Diffusers

Long-Term (6-10 years)

- Replace Window Treatments / Blinds
- Clean Brick and Repair Sidewalks

5.5.5 CITY OF ROCKWOOD

TOM FULLER MEMORIAL PARK

Short-Term (1-2 years)

- Grant Improvements (City Match Only)
- ADA Parking Space Markings
- ADA Paths to Pavilion and Concessions
- Amenities West of the Parking Lot
- Clearing and Grubbing for Parking Lot Expansion

Mid-Term (3-5 years)

- City Parking Improvements
- Future Marina Development (Private Investment)

BRICKYARD SPRINGS AND J.B. OLINGER FIELD

Short-Term (1-2 years)

- Regrade Outfield
- Resurface Basketball Court
- Miscellaneous ADA Improvements
- Concession and Restroom Repairs and Improvements

Mid-Term (3-5 years)

- 6' ADA Concrete Sidewalk
- Replace Shingles on Concessions Roof
- Repave and Restripe Brickyard Springs Parking Lot
- Repave and Restripe J.B. Olinger Ballfield Parking Lot

Long-Term (6-10 years)

- Replace Restroom / Concession Building
- Move Existing Bleachers Closer to Dugout
- Add Bleachers on First Base Side
- Replace Wood Light Poles at Ballfield

MIKE “BRILLO” MILLER SPORTS COMPLEX

Short-Term (1-2 years)

- Pave Lower Parking Lot
- Expand Rockwood Trails
- Provide Closer ADA Parking Spaces

Mid-Term (3-5 years)

- Install 6' ADA Concrete Sidewalk
- Miscellaneous ADA Improvements
- Fieldhouse Improvements
- Concession Kitchen Door Widening
- Resurface Main Restroom Floor
- Repair Junction Box at Bleachers
- Far Baseball Field Improvements
- Far Concession Stand Improvements
- Replace Damaged Spectator Seats

Long-Term (6-10 years)

- Construct Dog Park
- Construct Water Park

ROCKWOOD TENNIS AND BASKETBALL COURTS

Short-Term (1-2 years)

- Replace Tennis Nets
- Replace Basketball Nets

Mid-Term (3-5 years)

- Pave and Restripe Parking Lot, Include ADA Spaces
- Install ADA Concrete Sidewalk

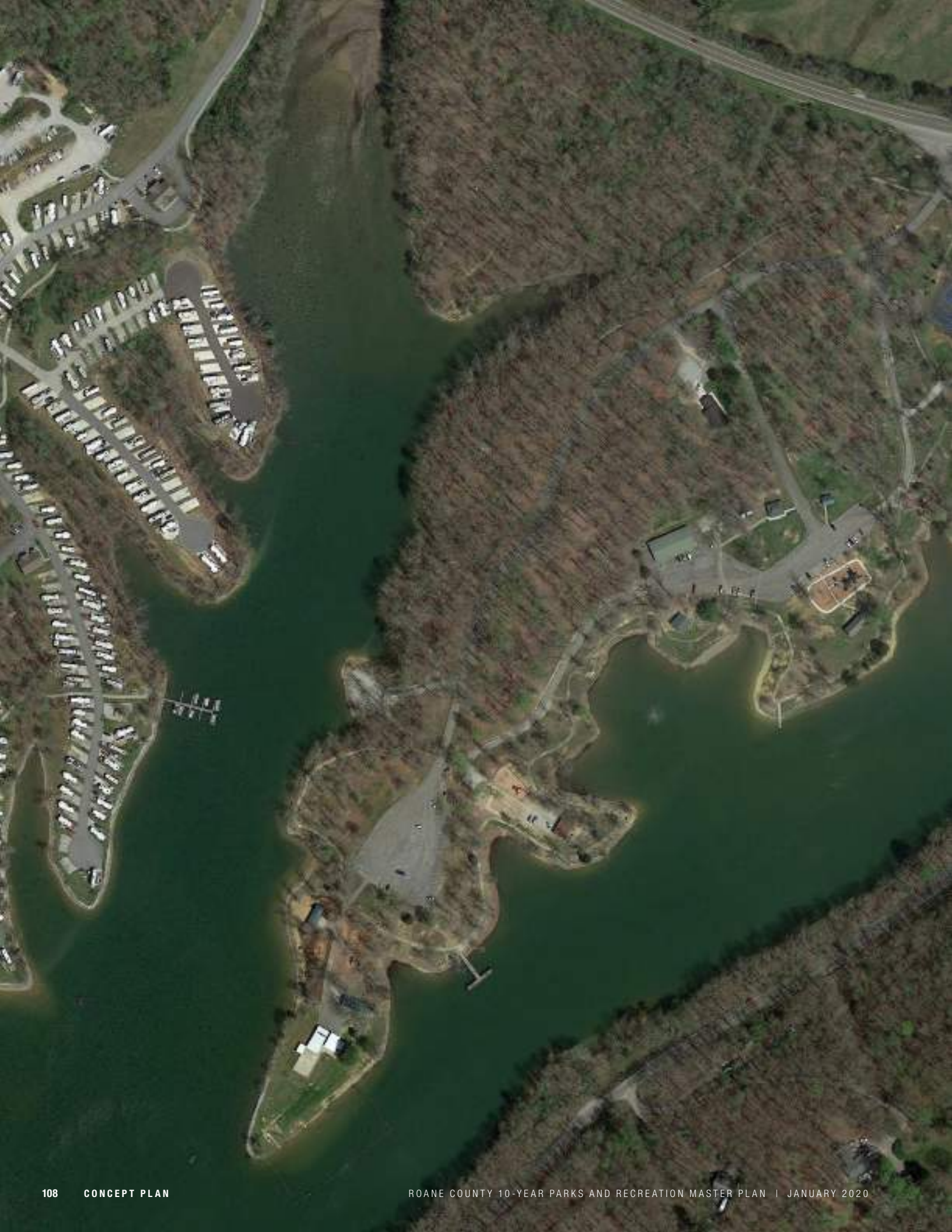
DOUGLAS E WILSON COMMUNITY CENTER

Short-Term (1-2 years)

- Construct and/or Install ADA Improvements

Mid-Term (3-5 years)

- Address Extraordinary Maintenance Improvements at Main Building and Utility Shed
- Determine the Functionality of the Swimming Pool; Repair and/or Replace



An aerial photograph of a park area. A road runs horizontally across the top. Below the road, there are several buildings, including a large one with a red roof. To the left of the buildings is a pond. The area is surrounded by trees and grass. A large teal rectangle is overlaid on the right side of the image, containing the number 6 and the text 'Concept Plans'.

6

Concept Plans



Image by Eric Barger

6 Concept Plans

A concept plan graphically depicts the placement of plan elements or improvements to new or existing parks. Neither the County nor either of the two cities participating in the planning process have identified locations for new parks. However, it should be noted that Roane County does intend to expand improvements on the tract of land deeded to the County by TVA. Currently, 36+ acres of the 183 acre TVA tract have been developed as Roane County Park. The County is planning on various improvements to the remaining 147 acres including a Caney Creek Loop Trail, horseback trails and a primitive campground. The County would also like to possibly expand campsites at the Riley Creek Campground and potentially build a ballpark complex at Swan Pond. The concept plans for these and other improvements to the County's five parks are included in this section.

Both the City of Kingston and the City of Rockwood own and manage several parks. Kingston has no current plans to build any new parks or purchase additional parkland. However, the City does plan on constructing and installing many improvements to six of their parks and the Community Center over the next ten years and the Concept Plans are included in this Section. Likewise, the City of Rockwood also plans substantial improvements to their four parks and community center. There is still plenty of undeveloped land at the Mike "Brillo" Miller Sports Complex and local hiking clubs are currently constructing trails in the wooded acreage adjacent to Mount Roosevelt with hopes of a possible connection to the fire tower atop the ridge of the State Wildlife Management Area. The concept plans for improvements to the City of Rockwood's parks are also included in this section. The City has control of a tract of land adjacent to Tom Fuller Memorial Park on Watts Bar Lake. The City has had hopes for years of attracting a marina developer to lease and construct a marina as an economic development project. The City has been approached by potential developers over the years, but negotiating deed restrictions with TVA so that a project could proceed has been problematic. Currently, Rockwood has made substantial progress with TVA to achieve this goal and a future marina on the site appears promising. The potential developer has not made any public disclosure of proposed improvements due to ongoing negotiations but generally, the proposed development could include a marina, RV Campground and several resort amenities. The attached concept plan for the existing Tom Fuller Memorial Park indicates the location of the proposed development.

The statement of probable costs for development of the improvements is indicated with each of the concept plans. Please note that the amounts shown for general conditions and soft costs reflect each phase of work as if each phase represented a single contract bid package.

Opinion of Probable Construction Cost

Roane County Park

September 9, 2019



NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
New All Weather Event Space	1	EA	\$ 100,000.00	\$ 100,000.00
Tent Campsites at Boy Scout Area	10	EA	\$ 5,000.00	\$ 50,000.00
Clearing and Grubbing	10	AC	\$ 10,000.00	\$ 100,000.00
Natural Surface Hiking Trail	1	MI	\$ 100,000.00	\$ 100,000.00
Pave and Stripe Cottage Parking Lot	15000	SF	\$ 4.00	\$ 60,000.00
ADA Improvements at Cottage (See MBI for detail)	1	LS	\$ 10,870.00	\$ 10,870.00
ADA Improvements at Shelters, Playgrounds, Tenn	1	LS	\$ 50,000.00	\$ 50,000.00
Structural Improvements to Shelters (See MBI for d	1	LS	\$ 3,000.00	\$ 3,000.00
Phase One Subtotal				\$ 473,870.00
10% General Conditions				\$ 47,387.00
15% Soft Costs (A/E + Admin)				\$ 71,080.50
20% contingency				\$ 94,774.00
Total Cost including contingency				\$ 687,111.50
Phase Two (3-5 Years)				
New metal pavilions	2	EA	\$ 75,000.00	\$ 150,000.00
New Splash Pad Restrooms	1	LS	\$ 75,000.00	\$ 75,000.00
Phase Two Subtotal				\$ 225,000.00
10% General Conditions				\$ 22,500.00
15% Soft Costs (A/E + Admin)				\$ 33,750.00
20% contingency				\$ 45,000.00
Total Cost including contingency				\$ 326,250.00
Phase Three (6-10 Years)				
New Splash Pad	1	EA	\$ 225,000.00	\$ 225,000.00
Repurpose Baseball Field for Lacrosse / practice field				\$ -
Phase Three Subtotal				\$ 225,000.00
10% General Conditions				\$ 22,500.00
15% Soft Costs (A/E + Admin)				\$ 33,750.00
20% contingency				\$ 45,000.00
Total Cost including contingency				\$ 326,250.00
Total for all phases				\$ 1,339,611.50

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



ROANE COUNTY PARK CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019

Opinion of Probable Construction Cost
 Caney Creek Trail Loop and Recreation Area
 September 9, 2019



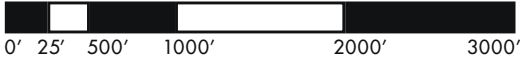
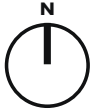
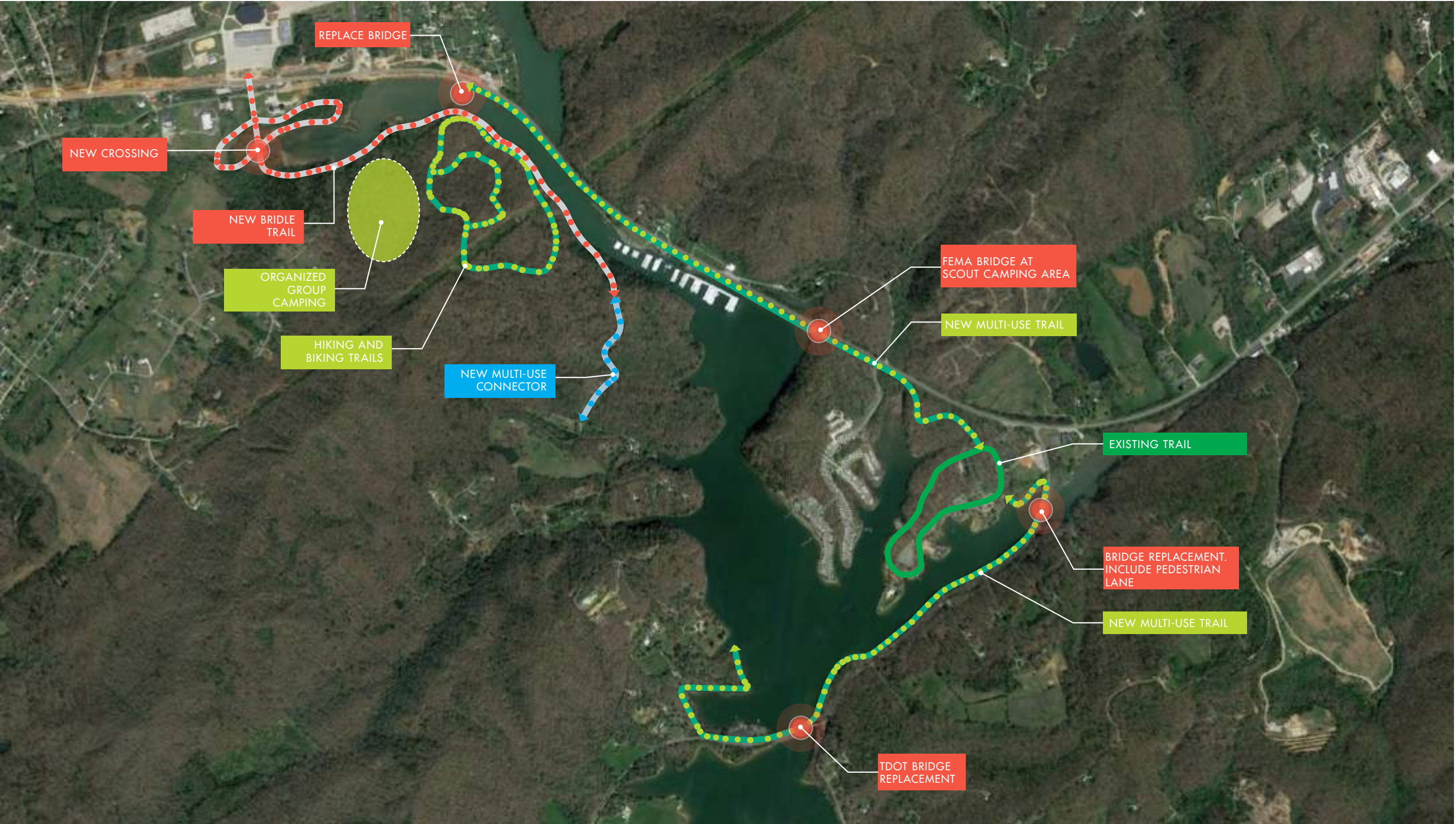
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Clearing and Grubbing	15	AC	\$ 10,000.00	\$ 150,000.00
Bridle Path North of Recreation Area	1	LS	\$ 6,000.00	\$ 6,000.00
Natural Surface Trail (Caney Creek Rd)	1	MI	\$ 10,000.00	\$ 10,000.00
Trail at Land bridge (concrete)	0.15	MI	\$ 250,000.00	\$ 37,500.00
Bridge Replacement at Campground	1	LS	\$ 300,000.00	\$ 300,000.00
TDOT Bridge Replacement at Access Area?	1	LS		\$ -
US 70 Improvements?	1.5	MI		\$ -
Phase One Subtotal				\$ 347,500.00
10% General Conditions				\$ 34,750.00
15% Soft Costs (A/E + Admin)				\$ 52,125.00
20% contingency				\$ 69,500.00
Total Cost including contingency				\$ 503,875.00
Phase Two (3-5 Years)				
Tent Campsite	25	EA	\$ 5,000.00	\$ 125,000.00
Campground Trails (Caney Creek Rd)	2.5	MI	\$ 100,000.00	\$ 250,000.00
Bridge for Horse Trail	1	LS	\$ 100,000.00	\$ 100,000.00
Phase Two Subtotal				\$ 475,000.00
10% General Conditions				\$ 47,500.00
15% Soft Costs (A/E + Admin)				\$ 71,250.00
20% contingency				\$ 95,000.00
Total Cost including contingency				\$ 688,750.00
Phase Three (6-10 Years)				
Phase Three Subtotal				\$ -
10% General Conditions				\$ -
15% Soft Costs (A/E + Admin)				\$ -
20% contingency				\$ -
Total Cost including contingency				\$ -
Total for all phases				\$ 1,192,625.00

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



CANEY CREEK TRAIL LOOP & RECREATION AREA

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Riley Creek Campground

September 9, 2019



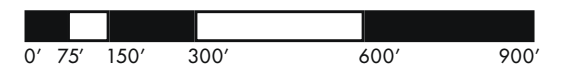
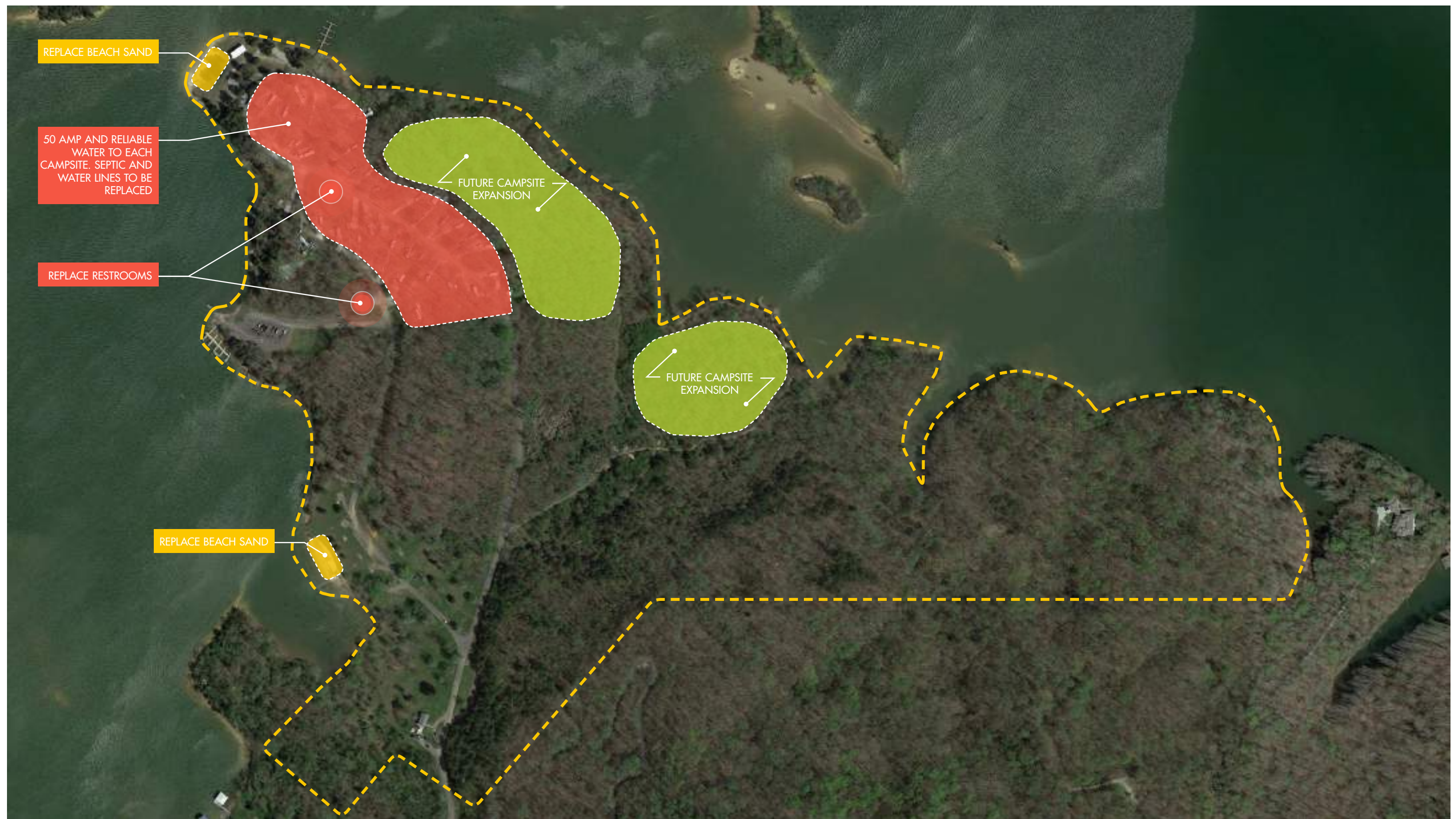
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Phase One Subtotal				\$ -
10% General Conditions				\$ -
15% Soft Costs (A/E + Admin)				\$ -
20% contingency				\$ -
Total Cost including contingency				\$ -
Phase Two (3-5 Years)				
Replace Deteriorated Roofing and Supports	1	LS	\$ 12,500.00	\$ 12,500.00
ADA Improvements (See MBI for detail)	1	LS	\$ 41,000.00	\$ 41,000.00
Phase Two Subtotal				\$ 53,500.00
10% General Conditions				\$ 5,350.00
15% Soft Costs (A/E + Admin)				\$ 8,025.00
20% contingency				\$ 10,700.00
Total Cost including contingency				\$ 77,575.00
Phase Three (6-10 Years)				
New Restrooms	2	EA	\$ 75,000.00	\$ 150,000.00
Paving, 50 amp, reliable water, septic lines)	1	LS	\$ 1,200,000.00	\$ 1,200,000.00
Campground Expansion (20 Acres)	1	LS	\$ 2,000,000.00	\$ 2,000,000.00
Phase Three Subtotal				\$ 3,350,000.00
10% General Conditions				\$ 335,000.00
15% Soft Costs (A/E + Admin)				\$ 502,500.00
20% contingency				\$ 670,000.00
Total Cost including contingency				\$ 4,857,500.00
Total for all phases				\$ 4,935,075.00

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



RILEY CREEK CAMPGROUND

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Emory Gap Park
September 9, 2019



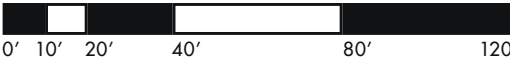
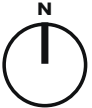
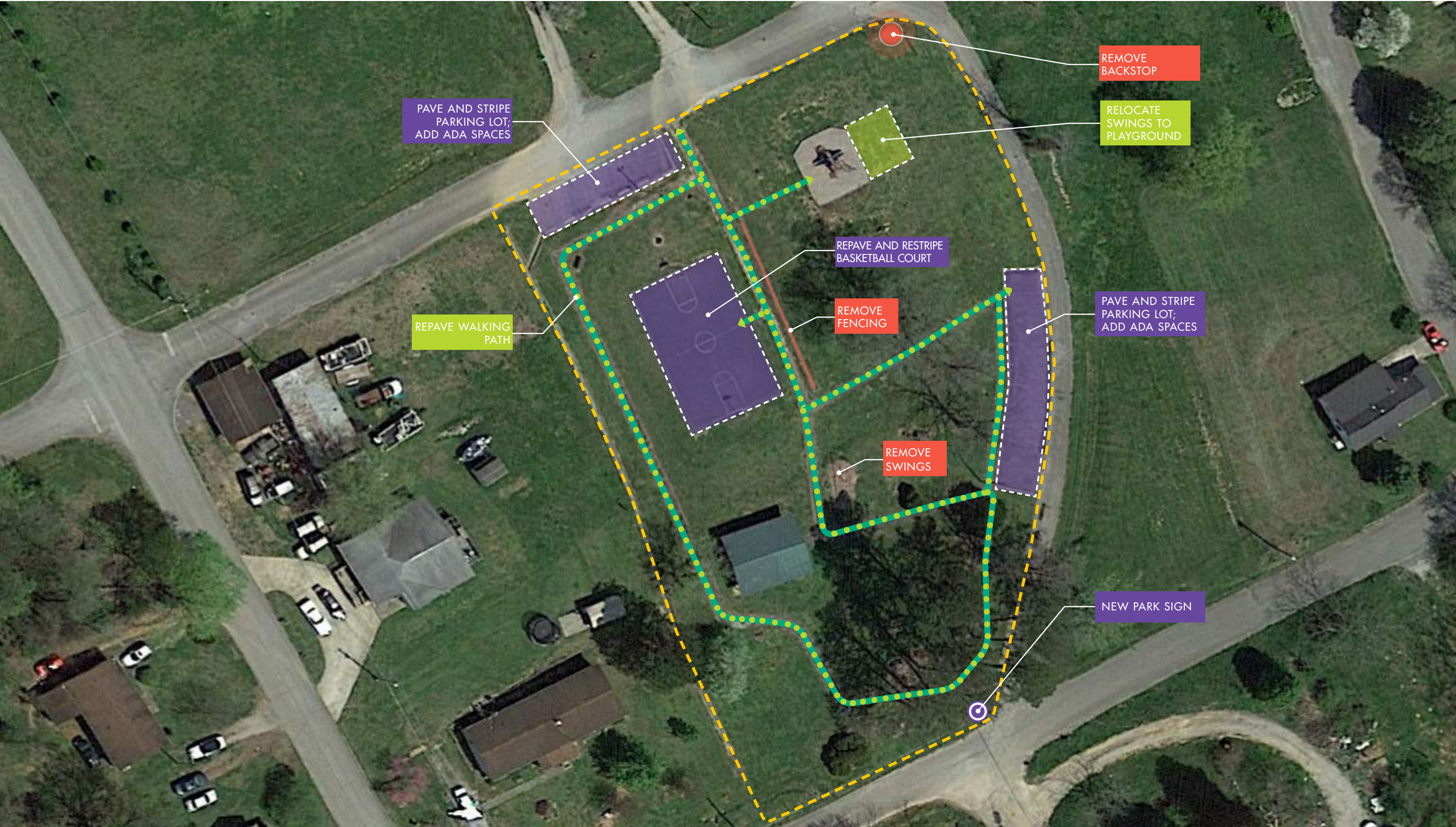
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
New Signage	1	LS	\$ 1,000.00	\$ 1,000.00
New ADA Asphalt Sidewalk (6')	6100	SF	\$ 4.50	\$ 27,450.00
Repave and restripe parking lot	4200	SF	\$ 2.50	\$ 10,500.00
Repave and restripe basketball court	3600	SF	\$ 2.50	\$ 9,000.00
Replace Basketball Nets	1	LS	\$ 100.00	\$ 100.00
Phase One Subtotal				\$ 47,050.00
10% General Conditions				\$ 4,705.00
15% Soft Costs (A/E + Admin)				\$ 7,057.50
20% contingency				\$ 9,410.00
Total Cost including contingency				\$ 68,222.50
Phase Two (3-5 Years)				
Remove backstop and fence	1	LS	\$ 1,500.00	\$ 1,500.00
Relocate swings to playground in old ballfield	1	LS	\$ 1,500.00	\$ 1,500.00
Phase Two Subtotal				\$ 3,000.00
10% General Conditions				\$ 300.00
15% Soft Costs (A/E + Admin)				\$ 450.00
20% contingency				\$ 600.00
Total Cost including contingency				\$ 4,350.00
Phase Three (6-10 Years)				
Phase Three Subtotal				\$ -
10% General Conditions				\$ -
15% Soft Costs (A/E + Admin)				\$ -
20% contingency				\$ -
Total Cost including contingency				\$ -
Total for all phases				\$ 72,572.50

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



EMORY GAP PARK

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Caney Creek Access Area

September 9, 2019



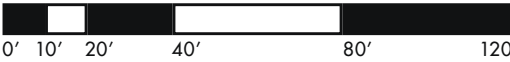
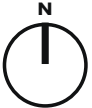
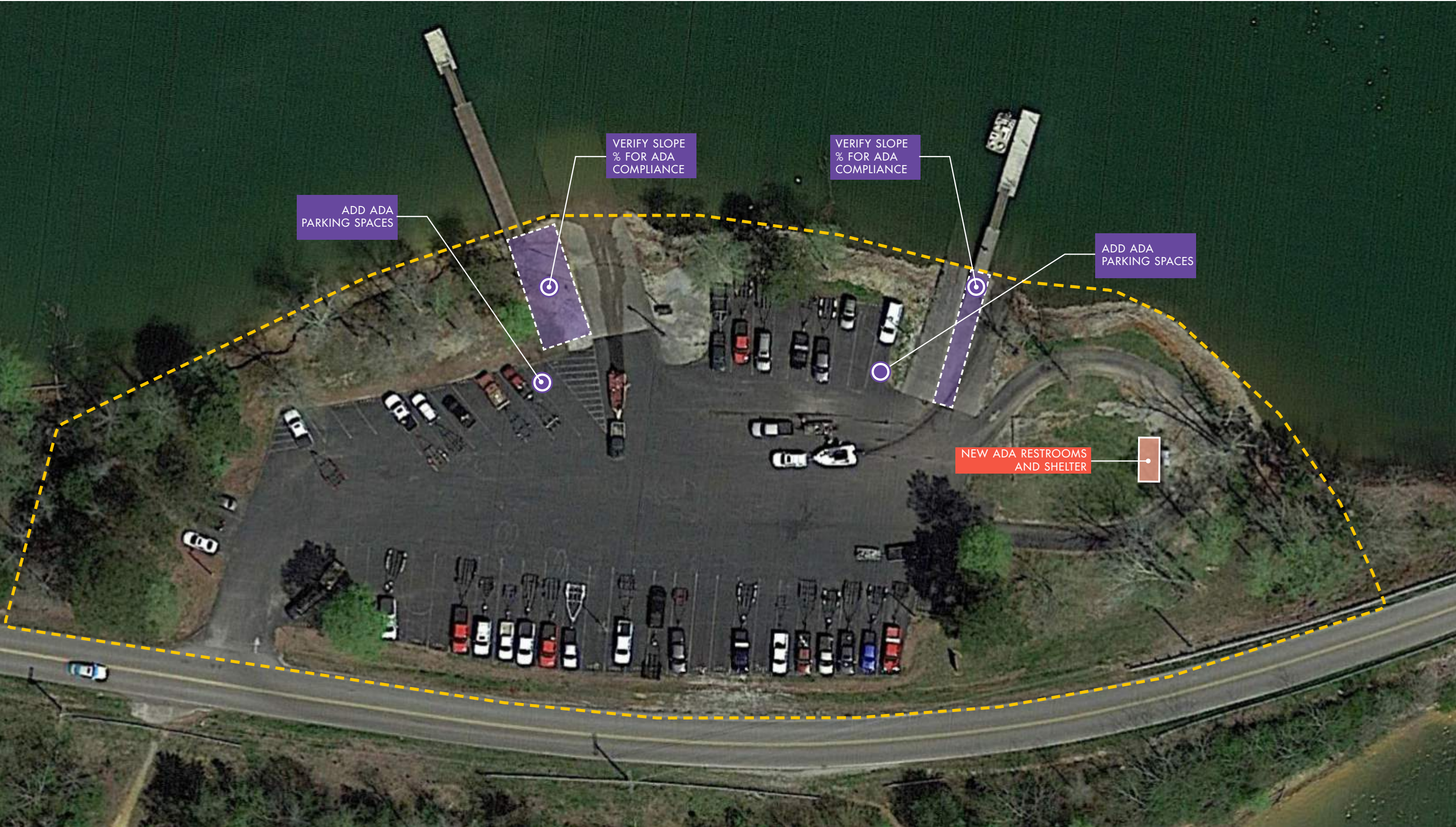
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Add 2 ADA parking space markings	2	EA	\$ 100.00	\$ 200.00
Concrete ADA ramps to boat docks	100	LF	\$ 250.00	\$ 25,000.00
Phase One Subtotal				\$ 25,200.00
10% General Conditions				\$ 2,520.00
15% Soft Costs (A/E + Admin)				\$ 3,780.00
20% contingency				\$ 5,040.00
Total Cost including contingency				\$ 36,540.00
Phase Two (3-5 Years)				
Phase Two Subtotal				\$ -
10% General Conditions				\$ -
15% Soft Costs (A/E + Admin)				\$ -
20% contingency				\$ -
Total Cost including contingency				\$ -
Phase Three (6-10 Years)				
New Restrooms	1	EA	\$ 75,000.00	\$ 75,000.00
Phase Three Subtotal				\$ 75,000.00
10% General Conditions				\$ 7,500.00
15% Soft Costs (A/E + Admin)				\$ 11,250.00
20% contingency				\$ 15,000.00
Total Cost including contingency				\$ 108,750.00
Total for all phases				\$ 145,290.00

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



CANEY CREEK BOAT ACCESS AREA

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Swan Pond Sports Complex

September 9, 2019



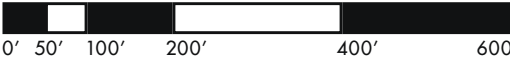
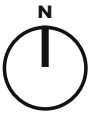
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Pave and stripe ADA spaces near pavilion	1600	SF	\$ 7.00	\$ 11,200.00
ADA sidewalk from spaces to pavilion	300	SF	\$ 9.00	\$ 2,700.00
Phase One Subtotal				\$ 13,900.00
10% General Conditions				\$ 1,390.00
15% Soft Costs (A/E + Admin)				\$ 2,085.00
20% contingency				\$ 2,780.00
Total Cost including contingency				\$ 20,155.00
Phase Two (3-5 Years)				
2 Practice Fields	1	LS	\$ 200,000.00	\$ 200,000.00
Phase Two Subtotal				\$ 200,000.00
10% General Conditions				\$ 20,000.00
15% Soft Costs (A/E + Admin)				\$ 30,000.00
20% contingency				\$ 40,000.00
Total Cost including contingency				\$ 290,000.00
Phase Three (10+ Years)				
Baseball Sports Complex	1	LS	\$ 8,000,000.00	\$ 8,000,000.00
Phase Three Subtotal				\$ 8,000,000.00
10% General Conditions				\$ 800,000.00
15% Soft Costs (A/E + Admin)				\$ 1,200,000.00
20% contingency				\$ 1,600,000.00
Total Cost including contingency				\$ 11,600,000.00
Total for all phases				\$ 11,910,155.00

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



SWAN POND SPORTS COMPLEX *CONCEPTUAL PLAN DIAGRAM*
ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Fort Southwest Point Park

September 9, 2019



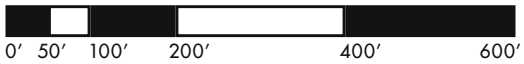
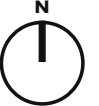
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Restripe Angled Parking Along Edge	50	EA	\$ 20.00	\$ 1,000.00
Indoor Batting Cages (concrete pad only)	1	EA	\$ 7,000.00	\$ 7,000.00
Replace Post on Concession Building	1	EA	\$ 20.00	\$ 20.00
Drinking Fountain	1	EA	\$ 500.00	\$ 500.00
Phase One Subtotal				\$ 8,520.00
10% General Conditions				\$ 852.00
15% Soft Costs (A/E + Admin)				\$ 1,278.00
20% contingency				\$ 1,704.00
Total Cost including contingency				\$ 12,354.00
Phase Two (3-5 Years)				
Storage Shed	1	EA	\$ 25,000.00	\$ 25,000.00
Replace grandstands at ballfield with aluminum	3	EA	\$ 11,000.00	\$ 33,000.00
Repair concrete Grandstands at track	1	LS	\$ 15,280.00	\$ 15,280.00
6' Wide ADA Accessible Path to Track	1	LS	\$ 11,500.00	\$ 11,500.00
Misc ADA improvements (See MBI for Detail)	1	LS	\$ 50,000.00	\$ 50,000.00
Phase Two Subtotal				\$ 134,780.00
10% General Conditions				\$ 13,478.00
15% Soft Costs (A/E + Admin)				\$ 20,217.00
20% contingency				\$ 26,956.00
Total Cost including contingency				\$ 195,431.00
Phase Three (6-10 Years)				
Repave and Restripe Track	1	EA	\$ 500,000.00	\$ 500,000.00
New ballfield lighting	2	EA	\$ 125,000.00	\$ 250,000.00
Phase Three Subtotal				\$ 1,275,642.00
10% General Conditions				\$ 127,564.20
15% Soft Costs (A/E + Admin)				\$ 191,346.30
20% contingency				\$ 255,128.40
Total Cost including contingency				\$ 1,849,680.90
Total for all phases				\$ 2,057,465.90

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



FORT SOUTHWEST POINT PARK *CONCEPTUAL PLAN DIAGRAM*

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Alton Byrd Park
September 9, 2019



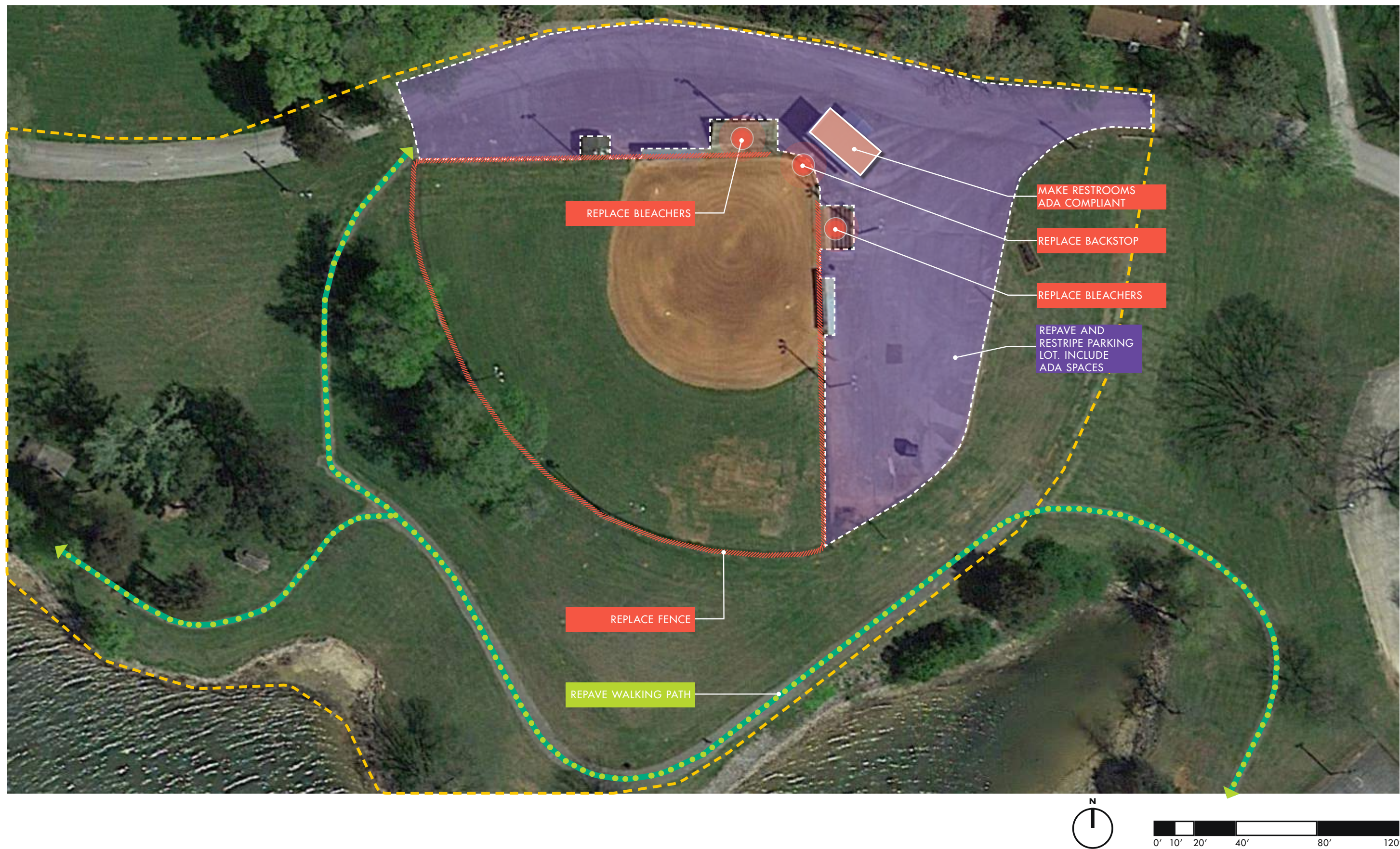
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Replace grandstands at ballfield with aluminum	1	EA	\$ 13,100.00	\$ 13,100.00
Replace Backstop	1	EA	\$ 5,000.00	\$ 5,000.00
ADA Compliant Restrooms	1	LS	\$ 10,500.00	\$ 10,500.00
Repave and stripe parking lot; incl ADA spaces	23500	SF	\$ 2.50	\$ 58,750.00
Misc ADA improvements (See MBI for Detail)	1	LS	\$ 8,500.00	\$ 8,500.00
Phase One Subtotal				\$ 95,850.00
10% General Conditions				\$ 9,585.00
15% Soft Costs (A/E + Admin)				\$ 14,377.50
20% contingency				\$ 19,170.00
Total Cost including contingency				\$ 138,982.50
Phase Two (3-5 Years)				
Replace Fence	800	LF	\$ 10.00	\$ 8,000.00
Phase Two Subtotal				\$ 8,000.00
10% General Conditions				\$ 800.00
15% Soft Costs (A/E + Admin)				\$ 1,200.00
20% contingency				\$ 1,600.00
Total Cost including contingency				\$ 11,600.00
Phase Three (6-10 Years)				
Repave asphalt walking path	6000	SF	\$ 4.50	\$ 27,000.00
Phase Three Subtotal				\$ 27,000.00
10% General Conditions				\$ 2,700.00
15% Soft Costs (A/E + Admin)				\$ 4,050.00
20% contingency				\$ 5,400.00
Total Cost including contingency				\$ 39,150.00
Total for all phases				\$ 189,732.50

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



ALTON BYRD PARK

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Kingston City Park
September 9, 2019



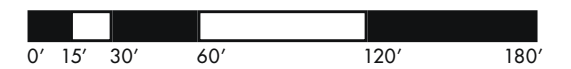
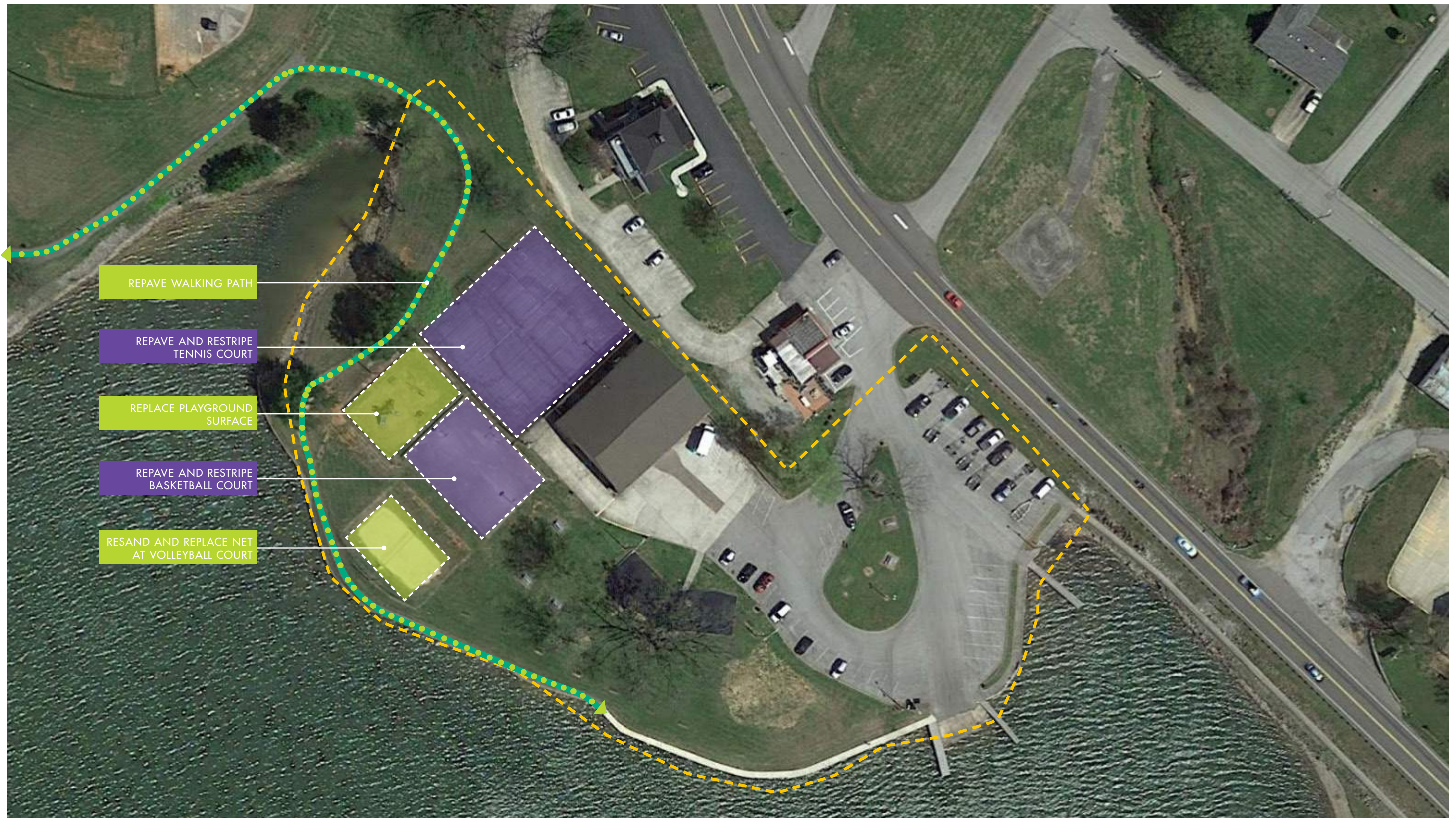
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Replace drinking fountain in pavilion	1	EA	\$ 500.00	\$ 500.00
Replace/repair missing exhaust fan in restroom	1	EA	\$ 85.00	\$ 85.00
Clean and repaint ceiling in restroom	1	LS	\$ 500.00	\$ 500.00
Provide Wheelstops at handicap parking spaces	2	EA	\$ 40.00	\$ 80.00
Replace Volleyball Sand	285	SY	\$ 10.00	\$ 2,850.00
Replace Volleyball Net	1	EA	\$ 500.00	\$ 500.00
Replace surface at older playground	425	SY	\$ 18.00	\$ 7,650.00
Phase One Subtotal				\$ 11,665.00
10% General Conditions				\$ 1,166.50
15% Soft Costs (A/E + Admin)				\$ 1,749.75
20% contingency				\$ 2,333.00
Total Cost including contingency				\$ 16,914.25
Phase Two (3-5 Years)				
Repave and restripe basketball court	5800	SF	\$ 2.50	\$ 14,500.00
repave and restripe tennis/pickle ball court	12000	SF	\$ 2.50	\$ 30,000.00
Phase Two Subtotal				\$ 44,500.00
10% General Conditions				\$ 4,450.00
15% Soft Costs (A/E + Admin)				\$ 6,675.00
20% contingency				\$ 8,900.00
Total Cost including contingency				\$ 64,525.00
Phase Three (6-10 Years)				
Repave and widen walking path along river	4500	SF	\$ 4.50	\$ 20,250.00
Phase Three Subtotal				\$ 20,250.00
10% General Conditions				\$ 2,025.00
15% Soft Costs (A/E + Admin)				\$ 3,037.50
20% contingency				\$ 4,050.00
Total Cost including contingency				\$ 29,362.50
Total for all phases				\$ 110,801.75

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



KINGSTON CITY PARK

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Gertrude Porter Park

September 9, 2019



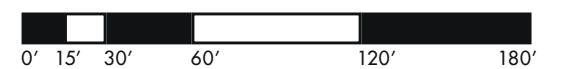
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Replace Infield Mix	872	SY	\$ 50.00	\$ 43,600.00
Phase One Subtotal				\$ 43,600.00
10% General Conditions				\$ 4,360.00
15% Soft Costs (A/E + Admin)				\$ 6,540.00
20% contingency				\$ 8,720.00
Total Cost including contingency				\$ 63,220.00
Phase Two (3-5 Years)				
Repave and Restripe Basketball Court	4300	SF	\$ 2.50	\$ 10,750.00
Phase Two Subtotal				\$ 10,750.00
10% General Conditions				\$ 1,075.00
15% Soft Costs (A/E + Admin)				\$ 1,612.50
20% contingency				\$ 2,150.00
Total Cost including contingency				\$ 15,587.50
Phase Three (6-10 Years)				
New Outfield Fence	800	LF	\$ 10.00	\$ 8,000.00
Phase Three Subtotal				\$ 8,000.00
10% General Conditions				\$ 800.00
15% Soft Costs (A/E + Admin)				\$ 1,200.00
20% contingency				\$ 1,600.00
Total Cost including contingency				\$ 11,600.00
Total for all phases				\$ 90,407.50

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



GERTRUDE PORTER MEMORIAL PARK

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Gravel Pit Park
September 9, 2019



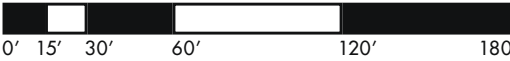
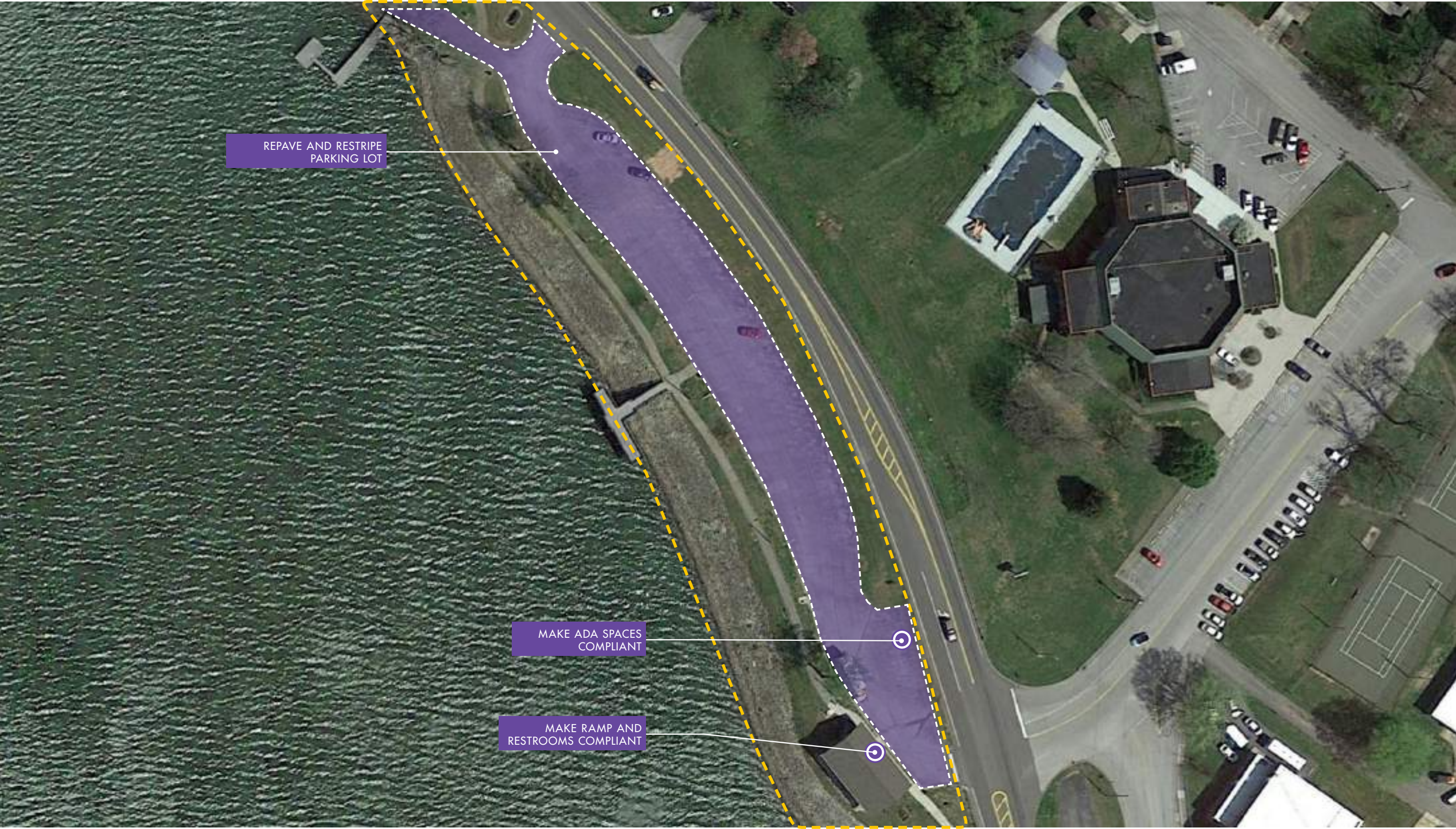
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Fishing Pier Repair	1	LS	\$ 20,000.00	\$ 20,000.00
ADA Signage	4	EA	\$ 75.00	\$ 300.00
Phase One Subtotal				\$ 20,000.00
10% General Conditions				\$ 2,000.00
15% Soft Costs (A/E + Admin)				\$ 3,000.00
20% contingency				\$ 4,000.00
Total Cost including contingency				\$ 29,000.00
Phase Two (3-5 Years)				
Phase Two Subtotal				\$ -
10% General Conditions				\$ -
15% Soft Costs (A/E + Admin)				\$ -
20% contingency				\$ -
Total Cost including contingency				\$ -
Phase Three (6-10 Years)				
Phase Three Subtotal				\$ -
10% General Conditions				\$ -
15% Soft Costs (A/E + Admin)				\$ -
20% contingency				\$ -
Total Cost including contingency				\$ -
Total for all phases				\$ 29,000.00

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



GRAVEL PIT PARK

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Ladd Park

September 9, 2019



NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Clearing and Grubbing	0.5	AC	\$ 10,000.00	\$ 5,000.00
Parking Lot Expansion	20000	SF	\$ 7.50	\$ 150,000.00
Pavilion Maintenance	1	LS	\$ 5,000.00	\$ 5,000.00
Relocate Bike Rack	1	EA	\$ 250.00	\$ 250.00
ADA Parking Spaces	2	EA	\$ 4,500.00	\$ 9,000.00
ADA Access to pavilion and pier	1	LS	\$ 3,000.00	\$ 3,000.00
Misc ADA Improvements (See MBI for detail)	1	LS	\$ 11,000.00	\$ 11,000.00
Phase One Subtotal				\$ 183,250.00
10% General Conditions				\$ 18,325.00
15% Soft Costs (A/E + Admin)				\$ 27,487.50
20% contingency				\$ 36,650.00
Total Cost including contingency				\$ 265,712.50
Phase Two (3-5 Years)				
Vol Navy Boat Slips	1	LS	\$	-
Replace Boat Ramp	9000	sf	\$ 9.00	\$ 81,000.00
Phase Two Subtotal				\$ 81,000.00
10% General Conditions				\$ 8,100.00
15% Soft Costs (A/E + Admin)				\$ 12,150.00
20% contingency				\$ 16,200.00
Total Cost including contingency				\$ 117,450.00
Phase Three (6-10 Years)				
Clearing and Grubbing	1	AC	\$ 10,000.00	\$ 10,000.00
Parking Lot Expansion	40000	SF	\$ 7.50	\$ 300,000.00
Phase Three Subtotal				\$ 310,000.00
10% General Conditions				\$ 31,000.00
15% Soft Costs (A/E + Admin)				\$ 46,500.00
20% contingency				\$ 62,000.00
Total Cost including contingency				\$ 449,500.00
Total for all phases				\$ 832,662.50

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



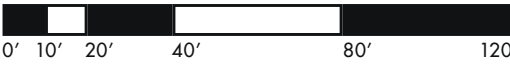
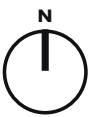
LADD PARK CONCEPTUAL PLAN DIAGRAM
ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019

Name of Building: Kingston Community Center				
Description of Work	Quantity	Units of Measure	Cost per Unit	Total Cost
Roof is leaking and in need of replacement. (Pic 1a, 1b, 1c)	13,100	sf	\$ 10.00	\$ 131,000.00
Some exit signs are not illuminated. (Pic 4)	3	sf	\$ 7.00	\$ 21.00
Emergency exits have no landings. (Pic 5a, 5b)	120	sf	\$ 5.00	\$ 600.00
ADA Signage	4	each	\$ 125.00	\$ 500.00
ADA Interior Signage	10	each	\$ 20.00	\$ 200.00
ADA Parking & Access to Entrances	1	job	\$ 13,500.00	\$ 13,500.00
ADA Access to Pool Area & Restrooms	1	job	\$ 15,500.00	\$ 15,500.00
ADA Toilets	2	each	\$ 11,000.00	\$ 22,000.00
ADA Path to concession stands	1	job	\$ 5,500.00	\$ 5,500.00
ADA Water Fountains	2	each	\$ 3,200.00	\$ 6,400.00
ADA Counter Height Adjustment	1	each	\$ 500.00	\$ 500.00
			Subtotal	\$ 195,721.00
			General conditions of 10%	\$ 19,572.10
			O & P of 5%	\$ 9,786.05
			A & E of 15%	\$ 29,358.15
			Estimated contingency of 20%	\$ 39,144.20
			TOTAL	\$ 293,581.50

The preliminary estimate of probable cost is based on estimated 2019 material and labor costs. This estimate should be used for general planning purposes only and should not be used as a proposal for construction services.

Name of Building: Kingston Community Center				
Description of Work	Quantity	Units of Measure	Cost per Unit	Total Cost
Medium timeframe - Some mechanical diffusers are not flush with ceiling tiles. (pic 3)	7	diffusers	\$ 50.00	\$ 350.00
Long timeframe - Window treatments/blinds in disrepair.	4	units	\$ 75.00	\$ 300.00
Long timeframe - Lower portion of exterior brick needs cleaning.	1	job	\$ 450.00	\$ 450.00
Long timeframe - Some sidewalks in need of repair.	15	Lf	\$ 5.00	\$ 75.00
			Subtotal	\$ 1,175.00
			General conditions of 10%	\$ 117.50
			O & P of 5%	\$ 58.75
			A & E of 15%	\$ 176.25
			Estimated contingency of 20%	\$ 235.00
			TOTAL	\$ 1,762.50

The preliminary estimate of probable cost is based on estimated 2019 material and labor costs. This estimate should be used for general planning purposes only and should not be used as a proposal for construction services.



KINGSTON COMMUNITY CENTER *CONCEPTUAL PLAN DIAGRAM*
ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Tom Fuller Memorial Park

September 9, 2019



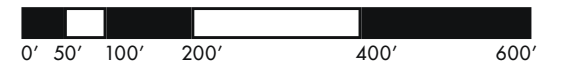
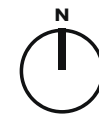
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Grant Improvements (city match only)	1	LS	\$ 318,586.97	\$ 318,586.97
ADA parking space markings	4	EA	\$ 100.00	\$ 400.00
ADA Paths to pavilion and concessions	280	SF	\$ 9.00	\$ 2,520.00
Amenities West of Parking Lot			\$ -	\$ -
Clearing and Grubbing for Parking Lot	0.5	AC	\$ 10,000.00	\$ 5,000.00
Phase One Subtotal				\$ 326,506.97
10% General Conditions				\$ 32,650.70
15% Soft Costs (A/E + Admin)				\$ 48,976.05
20% contingency				\$ 65,301.39
Total Cost including contingency				\$ 473,435.11
Phase Two (3-5 Years)				
City Parking Improvements	20000	SF	\$ 7.50	\$ 150,000.00
Future Marina Development (Private Investment)			\$ -	\$ -
Phase Two Subtotal				\$ 150,000.00
10% General Conditions				\$ 15,000.00
15% Soft Costs (A/E + Admin)				\$ 22,500.00
20% contingency				\$ 30,000.00
Total Cost including contingency				\$ 217,500.00
Phase Three (6-10 Years)				
Phase Three Subtotal				\$ -
10% General Conditions				\$ -
15% Soft Costs (A/E + Admin)				\$ -
20% contingency				\$ -
Total Cost including contingency				\$ -
Total for all phases				\$ 690,935.11

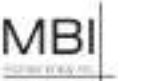
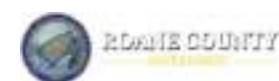
FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



TOM FULLER MEMORIAL PARK CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost
Brickyard Springs and JB Olinger Field
September 9, 2019



NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Regrade Outfield	200	CY	\$ 15.00	\$ 3,000.00
Resurface Basketball Court	5000	SF	\$ 2.50	\$ 12,500.00
Misc ADA Improvements (See MBI detailed estimate)	1	LS	\$ 23,240.00	\$ 23,240.00
Concession and restroom improvements (See MBI fc	1	LS	\$ 1,000.00	\$ 1,000.00
Phase One Subtotal				\$ 39,740.00
10% General Conditions				\$ 3,974.00
15% Soft Costs (A/E + Admin)				\$ 5,961.00
20% contingency				\$ 7,948.00
Total Cost including contingency				\$ 57,623.00
Phase Two (3-5 Years)				
6' ADA Concrete Sidewalk	5200	SF	\$ 9.00	\$ 46,800.00
Replace shingles on concession roof	2	BUNDL	\$ 31.00	\$ 62.00
Repave and stripe Brickyard parking lot; incl ADA sp	7800	SF	\$ 2.50	\$ 19,500.00
Repave and stripe Ballfield parking lot; incl ADA spc	17500	SF	\$ 2.50	\$ 43,750.00
Phase Two Subtotal				\$ 110,112.00
10% General Conditions				\$ 11,011.20
15% Soft Costs (A/E + Admin)				\$ 16,516.80
20% contingency				\$ 22,022.40
Total Cost including contingency				\$ 159,662.40
Phase Three (6-10 Years)				
Replace restroom / concession building	1	LS	\$ 75,000.00	\$ 75,000.00
Move existing bleachers closer to dugout	1	EA	\$ 50.00	\$ 50.00
Add bleachers on first base side	1	EA	\$ 2,575.00	\$ 2,575.00
Replace wood light poles at ballfield	5	SF	\$ 2,000.00	\$ 10,000.00
Phase Three Subtotal				\$ 87,625.00
10% General Conditions				\$ 8,762.50
15% Soft Costs (A/E + Admin)				\$ 13,143.75
20% contingency				\$ 17,525.00
Total Cost including contingency				\$ 127,056.25
Total for all phases				\$ 344,341.65

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



BRICKYARD SPRINGS PARK

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Mike Brillo Miller Sports Complex

September 9, 2019



NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Pave Lower Parking Lot	1	LS	\$ 50,000.00	\$ 50,000.00
Expand Rockwood Trails	5	MI		\$ -
Provide closer ADA spaces	8	EA	\$ 35.00	\$ 280.00
Phase One Subtotal				\$ 50,280.00
10% General Conditions				\$ 5,028.00
15% Soft Costs (A/E + Admin)				\$ 7,542.00
20% contingency				\$ 10,056.00
Total Cost including contingency				\$ 72,906.00
Phase Two (3-5 Years)				
6' ADA Concrete Sidewalk	5200	SF	\$ 9.00	\$ 46,800.00
Misc ADA Improvements (See MBI estimate for De	1	LS	\$ 28,285.00	\$ 28,285.00
Fieldhouse Improvements (See MBI estimate for C	1	LS	\$ 290.00	\$ 290.00
Concession kitchen door widening	1	LS	\$ 2,000.00	\$ 2,000.00
Resurface main restroom floor (See MBI estimate f	1	LS	\$ 4,800.00	\$ 4,800.00
Repair junction box at bleachers	1	LS	\$ 500.00	\$ 500.00
Far Baseball Field Improvements (See MBI estima	1	LS	\$ 2,380.00	\$ 2,380.00
Far Concession Stand Improvments	1	LS	\$ 1,050.00	\$ 1,050.00
Replace damaged spectator seats	7	EA	\$ 2,500.00	\$ 17,500.00
Phase Two Subtotal				\$ 103,605.00
10% General Conditions				\$ 10,360.50
15% Soft Costs (A/E + Admin)				\$ 15,540.75
20% contingency				\$ 20,721.00
Total Cost including contingency				\$ 150,227.25
Phase Three (6-10 Years)				
Dog Park	1	LS	\$ 150,000.00	\$ 150,000.00
Water Park	1	LS	\$ 1,000,000.00	\$ 1,000,000.00
Phase Three Subtotal				\$ 1,150,000.00
10% General Conditions				\$ 115,000.00
15% Soft Costs (A/E + Admin)				\$ 172,500.00
20% contingency				\$ 230,000.00
Total Cost including contingency				\$ 1,667,500.00
Total for all phases				\$ 1,890,633.25

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



MIKE 'BRILLO' MILLER SPORTS COMPLEX

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Opinion of Probable Construction Cost

Rockwood Tennis and Basketball

September 9, 2019



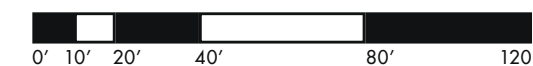
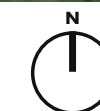
NOTE: All costs include material & labor

524 S. GAY STREET KNOXVILLE, TN 37902

DESCRIPTION	QTY	UNIT	COST	TOTAL
Phase One (1-2 Years)				
Replace Tennis Net	1	SF	\$ 500.00	\$ 500.00
Replace Basketball Nets	4	SF	\$ 25.00	\$ 100.00
Phase One Subtotal				\$ 600.00
10% General Conditions				\$ 60.00
15% Soft Costs (A/E + Admin)				\$ 90.00
20% contingency				\$ 120.00
Total Cost including contingency				\$ 870.00
Phase Two (3-5 Years)				
Pave and stripe parking lot; incl ADA spaces	4800	SF	\$ 7.00	\$ 33,600.00
6' ADA Concrete Sidewalk	600	SF	\$ 9.00	\$ 5,400.00
Phase Two Subtotal				\$ 39,000.00
10% General Conditions				\$ 3,900.00
15% Soft Costs (A/E + Admin)				\$ 5,850.00
20% contingency				\$ 7,800.00
Total Cost including contingency				\$ 56,550.00
Phase Three (6-10 Years)				
Phase Three Subtotal				\$ -
10% General Conditions				\$ -
15% Soft Costs (A/E + Admin)				\$ -
20% contingency				\$ -
Total Cost including contingency				\$ -
Total for all phases				\$ 57,420.00

FOR COORDINATION ONLY - NOT FOR CONSTRUCTION

- 1 This conceptual cost opinion is for planning purposes only and the data needs to be reviewed and adjusted, as necessary, by the general contractor to determine the final construction budget.
- 2 The above cost does not include grading or utility installation per the lack of adequate survey information.
- 3 Phasing Estimate does not include "Future Development Costs" or other site wide costs shown in overall estimate



ROCKWOOD TENNIS AND BASKETBALL

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019



Name of Building: Rockwood (Douglas E. Wilson) Community Center

Description of Work	Quantity	Units of Measure	Cost per Unit	Total Cost
A couple exterior doors do not fully close, due to misalignment (Pic 1).	2	each	\$ 3,500.00	\$ 7,000.00
Main Building: Brick veneer is cracked and separated at mortar joints. Perhaps due to settling or moisture infiltration/improper drainage of cavity (Pic 2a).	1	job	\$ -	\$ -
Graffiti on Gym doors and brick veneer (Pics 2b, 2c).	1	job	\$ 2,500.00	\$ 2,500.00
Utility Shed: Vinyl fascia wrap is missing on gable end (Pic 3a)	1	job	\$ 300.00	\$ 300.00
Utility Shed: Large cracks between CMU at mortar joints (Pic 3b).	1	job	\$ -	\$ -
Utility Shed: Loose junction box not attached to exterior of building (Pic 4).	1	job	\$ 250.00	\$ 250.00
Both sets of exit doors at gym are barred from the inside (Pic 5a).	2	each	\$ 5,000.00	\$ 10,000.00
Some loose vinyl floor tiles on main level (Pic 5b).	1	job	\$ 500.00	\$ 500.00
Rubber treads and risers are chipped, posing a tripping hazard (Pic 5c).	1	job	\$ 300.00	\$ 300.00
Toilet rooms: One lavatory is missing (Pic 11).	1	each	\$ 450.00	\$ 450.00
Some ceiling tiles show water damage (Pic 12a).	32	each	\$ 5.00	\$ 160.00
Pool has a major leak with an unknown source. Pool deck is cracked and spalling (Pic 12d); precast rim is separating from the deck (Pic 12e).	1	job	\$ 250,000.00	\$ 250,000.00
Lower level carpet near interior entry to Gym is wrinkled and torn (Pics 12b, 12c).	1	job	\$ 3,000.00	\$ 3,000.00
ADA Signage	4	each	\$ 125.00	\$ 500.00
ADA Interior Signage	8	each	\$ 20.00	\$ 160.00
ADA Parking & Access to Entrances	3	entrances	\$22,250	\$ 66,750.00
ADA Toilets	2	each	\$ 5,500.00	\$ 11,000.00
ADA Water Fountains	2	each	\$ 3,200.00	\$ 6,400.00
ADA Counter Height Adjustment	1	each	\$ 500.00	\$ 500.00

more investigation needed

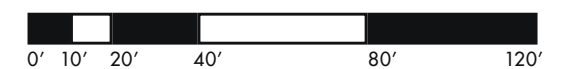
more investigation needed

more investigation needed

more investigation needed

Subtotal	\$ 359,770.00
General conditions of 10%	\$ 35,977.00
O & P of 5%	\$ 17,988.50
A & E of 15%	\$ 53,965.50
Estimated contingency of 20%	\$ 71,954.00
TOTAL	\$ 539,655.00

The preliminary estimate of probable cost is based on estimated 2019 material and labor costs. This estimate should be used for general planning purposes only and should not be used as a proposal for construction services.



ROCKWOOD COMMUNITY CENTER

CONCEPTUAL PLAN DIAGRAM

ROANE COUNTY 10 YEAR PARKS AND RECREATION MASTER PLAN- 2019







Five Year Budget Plan



7 FIVE YEAR BUDGET PLAN

7.1 ROANE COUNTY

The County has identified the improvement they plan to undertake at each of their parks over the next ten years. The following is a summary of the costs of those improvements in the short term (1-2 years), the mid-term (3-5 years) and the long-term (6-10 years):

10 YEAR OPINION OF COST			
	SHORT TERM (1-2 YEARS)	MID-TERM (3-5 YEARS)	LONG TERM (6-10 YEARS)
Roane County Park	\$687,112	\$326,250	\$326,250
Caney Creek Trail Loop and Recreation Area	\$503,875	\$688,750	
Riley Creek Campground	-	\$77,575	\$4,857,500
Emory Gap Park	\$68,223	\$4,350	
Caney Creek Boat Access Area	\$36,450		\$108,750
Swan Pond Sports Complex	\$20,155	\$290,000	\$11,600,000
Total	\$1,315,815	\$1,386,925	\$16,892,500

The total for the identified costs for the next five years, or years ending 2020 through 2024 is \$2,702,740. Roane County undertakes a capital improvements budgeting process annually. The last General Capital Plans and Current Capital Projects plan was undertaken in August of 2018. The total expected assets held by the County for project funding over the next five years is \$1,222,907. This includes Recreation, Swan Pond, Riley Creek, and NRT sub funds totaling \$742,907, and expected Recreation and Riley Creek revenues totaling \$480,000. The remaining unbudgeted costs for identified improvements is \$1,479,833. The County could apply for state LPRF grants of up to \$500,000 in both 2020 and 2022. If funded for the full amount in both grant rounds the unbudgeted remaining costs for the next five budget years is \$479,833.

7.2 CITY OF KINGSTON

The City of Kingston has identified the improvement they plan to undertake at six of their parks and community center over the next ten years. The following is a summary of the cost of these improvements in the short-term (1-2 years), the mid-term (3-5 years) and the long term (6-10 years):

10 YEAR OPINION OF COST			
	SHORT TERM (1-2 YEARS)	MID-TERM (3-5 YEARS)	LONG TERM (6-10 YEARS)
Fort Southwest Point Park	\$12,354	\$195,431	\$1,849,681
Alton Byrd Park	\$138,982	\$11,600	\$39,150
Kingston City Park	\$16,914	\$64,515	\$29,362
Gertrude Porter Memorial Park	\$63,220	\$15,587	\$11,600
Gravel Pit Park	\$29,000		
Ladd Park	\$265,712	\$117,450	\$449,500
Kingston Community Center	\$212,581	\$81,550	\$1,212
Total	\$738,763	\$486,143	\$2,380,505

The total for the identified costs for the next five years or years ending 2020 through 2024 is \$1,224,908. The city could apply for State LPRF grants of up to \$500,000 in both 2020 and 2022. If the City decides to follow the strategy of applying for 50/50 matching grants in 2020 for the short term identified costs and 2022 for mid-term costs the city would need to provide \$409,881 as the 2020 grant match and \$202,571 for a 2022 match. The total local funds of \$612,453 will need to be budgeted over the next five years.

7.3 CITY OF ROCKWOOD

The City of Rockwood identified the improvements they plan to undertake at their four parks and community center over the next ten years. The following is a summary of the costs of those improvements in short-term (1-2 years), the mid-term (3-5 years) and the long term (6-10 years):

10 YEAR OPINION OF COST			
	SHORT TERM (1-2 YEARS)	MID-TERM (3-5 YEARS)	LONG TERM (6-10 YEARS)
Dr. Tom Fuller Memorial Park	\$473,435	\$217,500	-
Brickyard Springs Park	\$57,623	\$159,662	\$127,056
Mike “Brillo” Miller Sports Complex	\$72,906	\$150,227	\$1,667,500
Rockwood Tennis and Basketball Courts	\$870	\$56,550	-
Rockwood Community Center	\$176,620	\$363,035	-
Total	\$781,454	\$946,974	\$1,794,556

The total for the identified costs for the next five years, or years ending 2020 through 2024 is \$1,728,428. The City could apply for State LPRF grants of up to \$500,000 in both 2020 and 2022. If the city decides to follow strategy of applying for 50/50 matching grants in 2020 for the short-term identified costs and 2022 for the mid-term costs the City would need to provide \$390,727 as the 2020 match and \$473,487 for a 2022 match. The total local funds of \$864,214 will need to be budgeted over the next five years.





8

Recommendations

8 RECOMMENDATIONS

The purpose of this study is to objectively review the existing parks and recreation facilities and programs offered to those citizens living in the incorporated cities of Kingston and Rockwood, residents of Roane County, as well as visitors to the County. It is evident that the County's natural assets such as Watts Bar Lake and the opportunities for recreation that these assets provide are important to the economy of the County. Our plan supports both human and economic health in the County. It is the overall goal of this plan to provide recommendations that will enhance the leisure and active recreational experiences for present and future residents over the next ten years and beyond. It is in consideration of this overall goal that the following recommendations are offered.

The recommendations in this section have been made for both existing facilities and the development of new facilities. The recommendations are for both physical and nonphysical improvements such as management, organization, operations, and maintenance. The recommendations below are not in any particular order, but it should be a goal of all three local governments that they be developed or implemented over the next ten years. Most of the recommendations apply to or involve all three governments, however a few apply to each government individually.

8.1 EXISTING AND FUTURE FACILITIES

Recommendation #1 - ADA Compliance and Accessibility at All Parks to Improve Community Health

Several ADA accessibility and compliance issues were identified when the consulting team visited the cities' and County's parks. There were also a few issues at both of the cities' community centers. All three local governments should prioritize achieving ADA compliance within the next five years. The Five-Year Budget Plans in Section 7 for each local government reflect this goal.

Additionally, Roane County health outcomes will benefit from enhanced accessibility and increased use of public park facilities. Physical and mental health outcomes can be targeted by responding to citizen input and assessments suggesting ADA compliance and targeted programming throughout the system.

Recommendation #2 - Upgrades to Existing Parks

While the Needs Assessment in Section 5 of this plan determined that each local government provides an adequate number of parks and acres of park land, there are several improvements needed and identified at each of the parks visited by the consulting team. All three local governments have designated a strategy for upgrades and improvements that combine local appropriations and grant funding. The three governments have indicated that they will preserve LPRF funding in 2020 and probably 2022. Roane County and the cities of Kingston and Rockwood should continue to implement their strategies of local appropriations and of State and Federal grant funding to achieve the goals and improvements identified in the Concept Plans (Section 6) for the next ten years.

Recommendation #3 - Expansion of Existing Parks

While there are an adequate number of parks and acres of park land in each jurisdiction, both Roane County and Rockwood have yet to achieve the build out of all of its available land. Kingston is currently constructing an amphitheater at the Southwest Point Park which will essentially build out its available land. Both Roane County and Rockwood have aspirations for the build out of their parks and those plans are included in this ten year plan. The County's Roane County Park is an area of approximately 36 acres of a 183 acre track transferred to the County by TVA in 1960. The remaining 150 acres consists of steep terrain with limited accessibility. However, the County will be replacing a bridge off of US HWY 70 that will provide accessibility to the wooded acreage for organized group camping, horseback, and hiking trails. The Riley Creek Campground, approximately 81 acres, contains enough available land to double and maybe triple the current number of campsites.

The Swan Pond Sports Complex has enough available land to build two additional ballfields in the future. At least half of the 134 acre Mike "Brillo" Sports Complex in Rockwood is undeveloped. However, hiking clubs are working with the city to blaze pedestrian trails throughout the undeveloped wooded acreage. Finally, the City of Rockwood holds the deed to a 50+ acre tract on Watts Bar Lake adjacent to the Tom Fuller Park. The city has had discussions on several occasions with TVA over the last three decades relative to easing the restrictive covenants on the tract that would allow the city to negotiate a lease with a developer to construct a waterfront resort and marina on the property. As of the date of this plan, discussions among the city, TVA, and a potential developer have proceeded more positively than any point in the past. Plans include a marina, boat launches, many camping and RV slots as well as many other waterfront resort amenities. Hopefully negotiations will be concluded in 2020, allowing the project to move forward. All of the above park expansion projects across the County are projected to continue or commence within the ten year planning horizon of this plan.

Recommendation #4 - Continue Active Participation in New Regional Planning Initiatives

Three exciting new regional planning initiatives commenced during the development of this plan. Roane County received state funding and hired consultants to develop a Roane County Trail Master Plan that will need participation by all six of the local governments in the County: Roane County, the cities of Kingston, Rockwood and Harriman, and parts of the cities of Oak Ridge and Oliver Springs. Initial meetings have taken place and the process will result in a Conceptual Comprehensive Multi-Use Trail Master Plan for the entire County, strategies for implementation and statements of probable costs, as well a Health Design Assessment. The plan will address the need for more hiking, biking, and walking trails that are a priority identified in the community-wide parks and recreation survey as a part of this planning process.

The Legacy Parks Foundation, in association with the City of Oak Ridge, has received funding from several state and federal agencies to undertake a planning process to develop an Oak Ridge Natural Assets Plan. The stated purpose of the process is “The Natural Assets Plan will be a living, working document that will serve as both a philosophical and a practical set of guidelines for how to proceed in maximizing the area’s natural assets so that they provide a sustainable foundation to engage residents, promote wellness, attract tourism, and increase economic development.” One of those assets is a portion of the North Boundary Trails system that lies within the Roane County portion of Oak Ridge. The initial kick off meetings occurred during the time of the development of this plan.

The third initiative is the TN RiverLine 652 project that developed out of UT’s Landscape Architecture program and has expanded to include multiple local, state, and private organizations all focused on the vision of a continuous system of hiking, biking, and on-water experiences along the 652-mile reach of the Tennessee River from Knoxville, TN to Paducah, KY. Six percent of the length of the Tennessee River flows through Roane County. In the summer of 2019, Roane County collaborated with the TN RiverLine 652 Initiative. As a pilot community, Roane County collaborated with the TN RiverLine on leadership workshops, public engagement events, and interactive surveys. The County should continue active participation in the process which will enhance the already substantial economic benefits of the Tennessee River for Roane County.

Recommendation #5 - Explore Connection to Cumberland Trail State Park

The Justin P. Wilson Cumberland Trail State Park, a Tennessee scenic hiking trail, became Tennessee’s 53rd state park in 1998. The trail extends over 300+ miles from the Cumberland Gap, on the Tennessee, Virginia, and Kentucky border to the Tennessee River Gorge, on the Tennessee, Alabama, and Georgia border. The Cumberland Trail is also a segment of the Great Eastern Trail Initiative, a plan to interconnect a system of state trails that will create a national trail reaching from Alabama to New York state. The proposal trail system will rival the overburdened and overused Appalachian Trail. A connection to this trail system would be significant for potential tourism and therefore economic benefits to Roane County. The closest potential tie would be where the Cumberland Trail passes through Ozone Falls just west of Roosevelt Mountain Wildlife Management Area. Ozone Falls also has connections to Roane County by way of US HWY 70 as the roadway meanders down the Cumberland Plateau into Roane County and the City of Rockwood. This connection should be explored more thoroughly as a part of the current Roane County Trail Plan planning process.

Recommendation #6 - Pedestrian Crossing in Kingston on Highway 70

The parking area at the Kingston Community center serves as overflow parking for pedestrians using the system of Kingston’s Riverfront parks and interconnecting greenways and trails. Traffic along HWY 70 can be heavy at times. The city should explore with TDOT safety measures to ensure pedestrians can safely cross the state route when using the community center and the city’s riverfront trails and parks with markings, signage, flashing lights, or a combination thereof.

8.2 PROGRAMMING, ORGANIZATION, AND POLICY INITIATIVES

Recommendation #1 - Benchmarking

Benchmarking is a tool encouraged by the State and recommended by the National Parks and Recreation Association (NPRA). Benchmarking sets standards for achievement of basic organizational structure for local parks and recreation departments and organizes those standards into different levels of tier certifications. It is an excellent tool for communities to use in self-evaluating the structure of their organization and the delivery of parks and recreation services. A guide to the benchmarking process through the state can be found on TDEC's website and each city and the County should have conversations with their TDEC representative about the process and achieving certification. Each jurisdiction will strengthen their grant competitiveness when certified. The NPRA also maintains a national benchmarking database for local jurisdictions to compare their standards and practices against those jurisdictions of similar size and population across each state and the nation. The link to begin the self-evaluation and enter data is available on the NPRA website.

Recommendation #2 - Formalize Joint Use Agreements

Joint use agreements are documents that formalize the shared use of recreation areas and facilities. Their purpose is to secure long-term access to shared facilities such as parks, schools, private facilities, and those owned by other entities. Those agreements address the structural elements such as time and place, as well as legal issues such as indemnification and liability. Joint -use agreements should be formalized by following the template and checklists provided in the Tennessee Recreation Joint Facilities Use Agreements toolkit available on the Tennessee Recreation and Parks Association website.

The use of these agreements could address two needs that were identified during the planning process in Roane County. First is the undetermined fate of the Rockwood Swimming Pool at the Community Center. The pool is in need of replacement and the city has determined replacement costs at \$400,000 or greater. Annually the City has been deciding whether to keep the pool open and/or replace the pool. If there was a joint-use agreement between Rockwood and Kingston relative to the pool at the Kingston Community Center, should Rockwood be forced at any time to close the Rockwood pool, the youth swim team at Rockwood could practice at the Kingston pool until a new pool at Rockwood could be constructed.

Another potential benefit of a joint-use agreement could be between the County Parks and Recreation Department and the County School Department concerning the gymnasium and other recreational facilities at the Midway High School. During the public input meetings held as a part of the planning process, several residents living in the portion of the County locally known as "south of the river," suggested that parks and recreation facilities should be made available to residents located south of Watts Bar Lake. As is common in many Tennessee Counties, the Midway High School's facilities could possibly be made available to the public during the evenings and on the weekends. This is a common solution for providing facility space available in remote locations. A joint-use agreement could formalize this arrangement and address issues such as security, indemnification, etc.

Recommendation #3 - Explore the Creation of a County-Wide "Sports Foundation"

There is currently an "equilibrium" among the local governments that provide parks, recreation, and sports facilities in Roane County. The Roane County Parks and Recreation Department, the Roane County Board of Education and all the local governments all have facilities, ballfields and gyms that together provide a network of amenities for use by youth sports teams, travel leagues, and the general public. Participants in the community-wide survey and the public meetings that there is an interest in and need for in an indoor recreation facility with an indoor pool for Roane County residents. This would be a daunting project for any single unity of government to undertake. The creation of a 501(c)3 nonprofit organization such as a "Sports Foundation" could potentially represent all entities in such an endeavor and be the catalyst for an organizational structure to pursue funding, donations, fundraising, etc. for County-wide projects. The County may wish to create an exploratory committee to begin the process of discovery and feasibility. Since many new indoor pool facilities include hydrotherapy pools, Covenant Health may be a willing partner in the exploratory committee as well as the County School Board as the possibility of new school facilities are contemplated.

Recommendation #4 - Update Websites and Wayfinding

All three Parks and Recreation Departments should update their websites to be more user friendly and include programs and classes offered by age group. Maps of each city and the County pinpointing locations to links for each park describing the amenities, hours of operations, safety rules, etc. would be helpful to local residents and especially visitors. The websites should be updated as improvements and new amenities are installed and constructed.

Recommendation #5 - Investigate a Native American Heritage Memorial

While researching the history and culture of Roane County, the consulting team learned that the Southwest Point Fort in Kingston was constructed at its current location by early Euro-American settlers in reaction to a large Cherokee Village located across the Tennessee River in Rockwood. This was located within what is now Rockwood city limits along the banks of Watts Bar Lake. It was the headquarters Chief Tallen-Tuskie in the late 18th and 19th centuries. As Rockwood and TVA negotiate possible new developments on the banks of the lake, the city, and the County may want to invite the Eastern Band of the Cherokee Indians (EBCI) to participate in discussions concerning the creation and construction of a memorial to this untold history of the County. The Cherokees have a nonprofit Heritage Foundation that funds such endeavors to expand the knowledge of the history of the tribe throughout Western North Carolina and East Tennessee.

CONCLUSION:

All of the recommendations, including existing facilities, new facilities, managerial, organizational, operational, and facilities maintenance should be a goal of Roane County, the City of Kingston, and the City of Rockwood. It is strongly encouraged that each recommendation be developed or implemented for the respective governments over the next ten years.

9 SOURCES

1-11.	www.census.gov
12.	TDEC, Tennessee 2020 Vision for Parks, People and Landscapes, Status Review and Update, July 2016.
13.	tnlandforms.us/bluewayindex.php
14.	tn.gov/environment/program-areas/na-natural-areas/na-sr-scenic-rivers-list/scenic-rivers-list/na-sr-clinch.html
15.	tnlandforms.us/blueway/index.php
16.	tnriverline.org
17.	legacyparks.org/2019/04/legacy-parks-announces-oak-ridge-natural-assets-plan/
18.	roaneschools.com
19.	maxpreps.com/high-schools/roane-County-yellowjackets-(Kingston.tn)/sports.htm
20.	gkaisa.swimtopia.com
21.	roantetourism.com
22.	tnstateparks.com
23.	tn.gov/health/health-program-areas/localdepartments.html
24.	unitedwayroane.galaxydigital.com/agency/detail/?agency_id=4085
25.	roaneCountytn.gov
26.	www.roanetourism.com
27.	parks.kingstontn.gov
28.	www.roanetourism.com
29.	parks.kingstontn.gov
30.	parks.kingston.tn.gov
31.	www.roanetourism.com
32-36.	www.cityofrockwood.com
37.	www.nrpa.org/metrics

