*Hollie Berry*
*Mayor*

*Martin Granum*
*City Manager*

# City of Red Bank

## BOARD OF COMMISSIONERS WORK SESSION

Work Session Agenda
August 6, 2024
5:00 PM

The purpose(s) of the meeting shall be for the Commission to receive, consider, discuss, deliberate, and debate the matters listed herein below and such other public business as may lawfully be undertaken provided that no formal votes are to occur and no matters or issues will be formally decided upon at this meeting.

**I.** **Employee Recognition(s):**
**Public Works - Jimmy Ruffner promoted from Laborer II to Heavy Equipment Operator (PWD Tate)**
**Fire Department - Darren Brandon promoted from Firefighter to Captain (FC Sylar)**

**II.** **Sidewalks Plan Presentation (PWD Tate)**

**III.** **Franchise Agreements Overview (Juan Aponte)**

**IV.** **National Parks Service Conversion Talking Paper (CDD Johnson)**

**V.** **Present Proposed Employment Contract for City Manager Granum - no discussion at this time (CR Perry)**

**VI.** **Public Hearing & Request to Rezone 200 West Euclid Avenue from R-1 Residential to R-T/Z Townhome/Zero Lot Line Residential Ord No. 24-1263 (DCD Johnson)**

**VII.** **Adopt Parks & Rec Plan Res No. 24-1717 (PRD Grabe)**

**VIII.** **Purchase of fire hose from TN Fire Equipment in the amount of $19,975.00 Res No. 24-1710 (FC Sylar)**

**IX.** **Application for the TAWC Firefighting Grant of up to $1,000.00 Res No. 24-1714 (FC Sylar)**

**X.** **Approve purchase of six (6) police vehicles from Lonnie Cobb Ford for an amount of up to $270,000.00 Res No. 24-1711 (PC Seymour)**

**XI.** **Approve Robert Half Conversion Fee of $20,000.00 for new CFO Res No. 24-1712 (CR Perry)**

**XII.** **Approve Purchase of Radios for the Public Works Department from Motorola Solutions in an amount of $68,781.42 Res No. 24-1713 (PWD Tate)**

**XIII.** **Approve Funding for Repairs to Unit 789 by Stringfellow, Inc. for an amount not to exceed $16,000.00 for the Public Works Department Res No 24-1715 (PWD Tate)**

**XIV.** **Approve Funding for Ground Penetrating Radar Services from UTK Laboratory of Environmental Archaeology at a cost of $4,771.00 for the Red Bank Cemetery Res No. 24-1716 (PWD Tate)**

**XV.** **Approve Hiring of Consultant for Ashmore Ave Slope Failure Scope of Work Res No. 24-1718 (PWD Tate)**

**XVI.** **Citizen Comments on items on the Work Session Agenda**

**5:45 Hard stop to allow citizen comments on items on this Work Session Agenda (CM Granum)**

**XVII.** **Any other business to discuss**

**XVIII.** **Adjournment**

# FY-2025 Red Bank Public Works Department Sidewalk Connectivity Projects

The following tabs are individual projects that will produce sidewalk connectivity throughout the City of Red Bank. They are in no particular order or individual;s preference. The list shall be used to prepare budget estimates, schedule consultant work, source funding, plan capital projects and so forth.

Project Table of Contents:


**1** The Lyndon Loop

**2** Browntown Rd/Wickley Ave North to the City Limits (includes signalization improvements)

**3** Morrison Springs Rd at Red Bank High School and City Limits at Mountain Creek

**4** The Gap from Greenleaf St to W. Newberry St (includes Stringers Branch Crossing/Private Property)

**5** Crestview/Knollwood/Ashland Terrace Intersection with Possible Bank St Connectivity

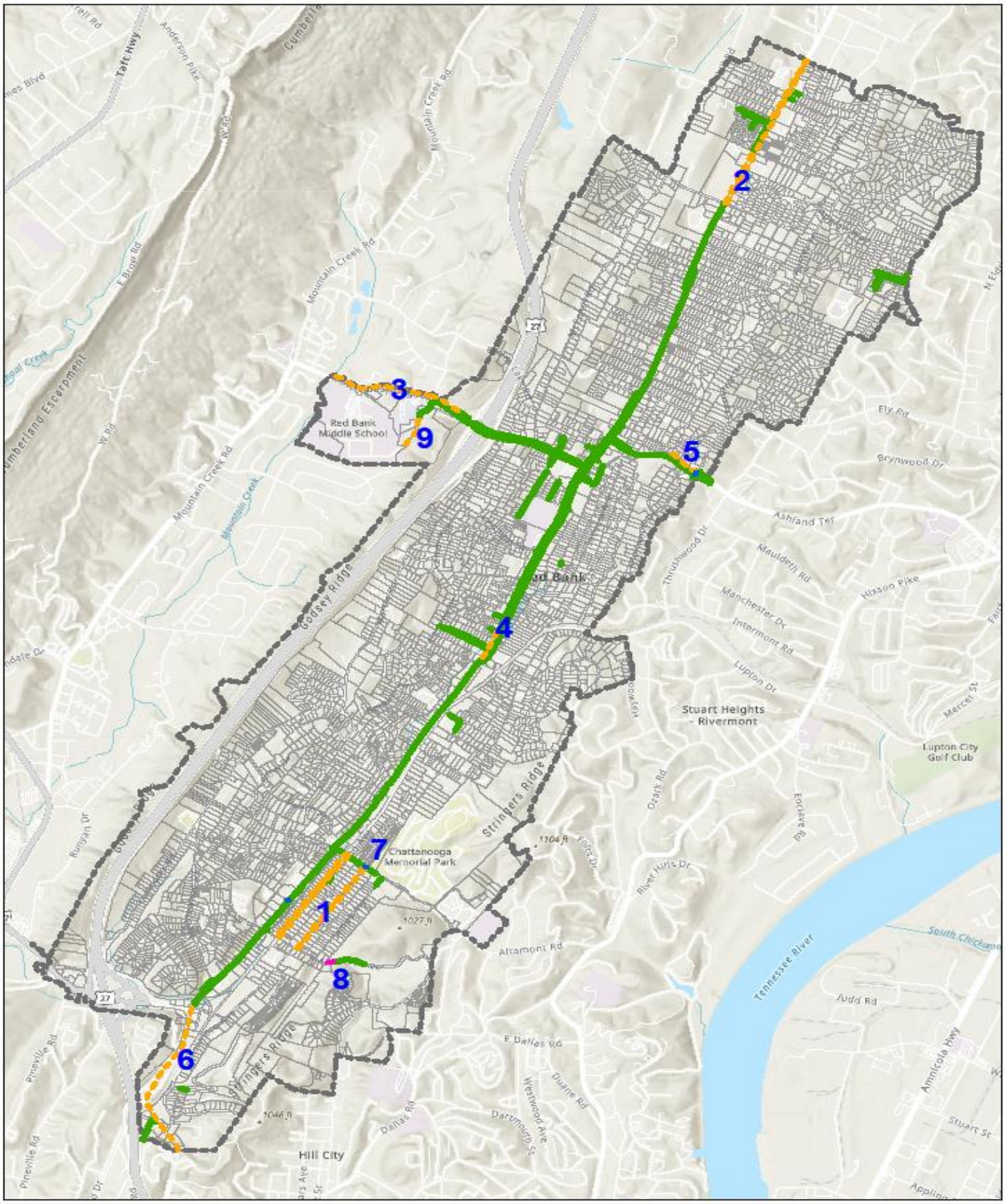
**6** Spring Rd to the Stringers Ridge Tunnel Connectivity (to include collaboration with Chattanooga)

**7** Memorial Dr at Ashmore Ave Crossing

**8** White Oak Park to Stringers Ridge Connector Trail Crossing

**9** Red Bank Community Pool to Red Bank Community Center

# Sidewalk Pavement Inventory




7/31/2024

- Proposed sidewalk pool commcenter
- Proposed ped xing hawthorne dayton
- Proposed ped xing ashmore memorial
- Proposed ped xing crestview ashland
- Proposed sidewalk spring to stringers
- Proposed sidewalk msr
- Proposed sidewalk lyndon
- Proposed sidewalk greenleaf newberry
- Proposed sidewalk browntown gadd
- Proposed sidewalk ashmore memorial
- Proposed sidewalk ashland bank
- Proposed sidewalk pool commcenter
- underway_midvale_white_oak_sidewalk_xing
- Existing sidewalk
- Red Bank Parcels
- Red Bank Boundary
- World Hillshade

1:31,000

0 0.25 0.5 1 mi

0 0.42 0.85 1.7 km

Esri, NASA, NGA, USGS, FEMA
Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

| | |
|---|---|
| Project Name: | 1-The Lyndon Loop End Crossing |
| Priority: | |
| Description: | A pedestrian conveyance/crossing over the railroad tracks on both ends of Lyndon Avenue that intersect with Memorial Drive on the north |
| Physical Locations: | Beginning at Memorial Drive and Lyndon Avenue<br>Lat: 35.09373° N<br>Lon: 85.30718° W<br><br>Ending at E. Midvale and Lyndon Avenue<br>Lat: 35.08880° N<br>Lon: 85.31143° W |
| Estimated Cost: | Will be determined by consultant w/ SOW |
| Status: | 2024-Concept<br>20240716-Teams Meeting with TDOT/NS to discuss a proposal for adding ped connectivity |

| | |
|---|---|
| Project Name: | 2-Sidewalk Connectivity at Browntown Rd to City Limits |
| Priority: | TBD |
| Description: | Current west side Dayton Blvd sidewalk ends at Browntown Rd. This project will connect existing sidewalks to the Hartman Hill addition and beyond to the City Limits of Red Bank/Chattanooga. There is currently no sidewalk on the east side of Dayton Blvd. |
| Additional Requirements: | Signalized pedestrian crossings at Browntown<br>Additional pavement markings and signs<br>Drainage/storm water improvements<br>Should NOT require additional ROW |
| Physical Locations: | Beginning at Browntown going North<br>Lat: 35.13717° N<br>**Lon:** 85.27972° W<br><br>Ending at the City Limits<br>Lat: 35.14653° N<br>**Lon:** 85.27399° W |
| Estimated Cost: | Will be determined by consultant w/ SOW |
| Status: | 2024-Barge developing a Scope of Work |

This Work Order is made as of the date last signed below by and between City of Red Bank (**Client**) and Barge Design Solutions, Inc. (**Barge**) for the **Dayton Boulevard at Browntown Road / Wickley Road Traffic Signal & Sidewalk Design Traffic Signal & Sidewalk Design** (Project) in accordance with the terms and conditions of the Professional Services Agreement (Agreement) dated January 25, 2024, all of which terms and conditions are incorporated herein by reference.

The Project is described in **Exhibit A – Scope of Services**, attached.

Client agrees to pay Barge a Lump Sum Fee as listed in the table below to complete the scope of work as defined in **Exhibit A**. Barge will submit monthly invoices based on percent of work completed to date. The project status will be summarized monthly in our progress report and invoice submittal.

**Fee Summary Table**

| Items | Fee Type | Fee Amount |
|---|---|---|
| 1. Project Management and Coordination | Lump Sum | $21,750.00 |
| 2. Data Collection - Survey | Lump Sum | $75,750.00 |
| 3. Traffic Signal Design | Lump Sum | $30,500.00 |
| 4. Sidewalk Design | Lump Sum | $72,950.00 |
| **TOTAL** | | **$200,950.00** |

| City of Red Bank | Barge Design Solutions, Inc. |
|---|---|
| By: | By: |
| Printed<br>Name: Leslie Johnson | Printed Name:<br>Matthew S. Stovall, PLA, ASLA, LEED AP |
| Title: Public Works Deputy Director | Title: Sr. Vice President |
| Address:<br>3105 Dayton Boulevard<br>Red Bank, Tennessee 37415 | Address:<br>1110 Market Street, Ste 200<br>Chattanooga, Tennessee, 37402 |
| Date Signed: | Date Signed: |

| | |
|---|---|
| Project Name: | 3-Red Bank High School Intersection |
| Priority: | TBD |
| Description: | The north bank of Morrison Springs Rd has existing sidewalk to near the bottom of the hill at the signalized intersection with Red Bank High School. It is incomplete and unsafe for pedestrian travel beyond this point. Sidewalk needs to be extended to the city limits with pedestrian improvements. Sidewalks to extend to to the City Limits near Mountain Creek stream bed. |
| Additional Requirements: | Signalized pedestrian crossings at RBHS<br>New traffic siganls with camera detection<br>Additional pavement markings and signs<br>Drainage/storm water improvements<br>Should NOT require additional ROW |
| Physical Locations: | Beginning on Morrison Springs near RBHS going west<br>Lat: 35.12491° N<br>**Lon:** 85.30534° W<br><br>Ending at the City Limits<br>Lat: 35.12572° N<br>**Lon:** 85.30746° W |
| Estimated Cost: | Will be determined by consultant w/ SOW |
| Status: | 2024-Barge developing a Scope of Work |

This Work Order is made as of the date last signed below by and between City of Red Bank (**City**) and Barge Design Solutions, Inc. (**Barge**) for the **Morrison Springs Road at Red Bank High School Traffic Signal & Sidewalk Design** (Project) in accordance with the terms and conditions of the Professional Services Agreement (Agreement) dated January 25, 2024, all of which terms and conditions are incorporated herein by reference.

The Project is described in **Exhibit A – Scope of Services**, attached.

Client agrees to pay Barge a Lump Sum Fee as listed in the table below to complete the scope of work as defined in **Exhibit A**. Barge will submit monthly invoices based on percent of work completed to date. The project status will be summarized monthly in our progress report and invoice submittal.

**Fee Summary Table**

| Items | Fee Type | Fee Amount |
|---|---|---|
| 1. Project Management and Coordination | Lump Sum | $16,250.00 |
| 2. Data Collection - Survey | Lump Sum | $40,200.00 |
| 3. Traffic Signal Design | Lump Sum | $29,250.00 |
| 4. Sidewalk Design | Lump Sum | $31,200.00 |
| **TOTAL** | | **$116,900.00** |

| City of Red Bank | Barge Design Solutions, Inc. |
|---|---|
| By: | By: |
| Printed<br>Name: Leslie Johnson | Printed Name:<br>Matthew S. Stovall, PLA, ASLA, LEED AP |
| Title: Public Works Deputy Director | Title: Sr. Vice President |
| Address:<br>3105 Dayton Boulevard<br>Red Bank, Tennessee 37415 | Address:<br>1110 Market Street, Ste 200<br>Chattanooga, Tennessee, 37402 |
| Date Signed: | Date Signed: |

| | |
|---|---|
| Project Name: | 4-The Gap from Greenleaf to Newberry |
| Priority: | TBD |
| Description: | The existing southbound sidewak on the west side of Dayton Blvd ends at Greenleaf Street and does not begin again until the AutoZone property as it continues south along the boulevard. This project will extend the sidewalk along the western bank of Stringer Branch and parralel with Benjamin Ln, crossing Fair St and connecting to an existing sidewalk at Fair St, then continue south along a stretch of private property and crossing Stringers Branch to tie into the existing sidewalk in front of the AutoZone property |
| Additional Requirements: | TDECT permit<br>Purchase of addition ROW<br>ADA accessibility upgrades<br>Drainage/storm water improvements |
| Physical Locations: | Beginning at Dayton Blvd and Greenleaf Street<br>Lat: 35.10889° N<br>Lon: 85.29578° W<br><br>Ending at the AutoZone Sidewalk<br>Lat: 35.10718° N<br>Lon: 85.29684° W |
| Estimated Cost: | Will be determined by consultant w/ SOW |
| Status: | 2024-Concept |

| | |
|---|---|
| Project Name: | 5-Crestview/Knowllwood/Ashland Terrace Connection |
| Priority: | TBD |
| Description: | The City of Red Bank has existing sidewalks along the southern bank of Ashland Terrace which terminates at Knollwood Drive. Pedestrians seeking to cross the road at this intersection have no options to safely cross. The sidewalk continues eastbound into Chattanooga on both sides of Ashland Terrace. This project would signalize the intersection for pedestrians, make ADA accessible crossings and stop traffic for those wishing to cross from Crestview to the sidewalk into Red Bank. An alternative has been suggested to look into a sidewalk connection that will put pedestrians from Crestview onto Bank St. and into a neighborhood. |
| Additional Requirements: | Signalization (both vehicular and pedestrian)<br>ADA accessibility upgrades<br>Drainage/storm water improvements<br>Pavement markings and signage |
| Physical Locations: | Central location for this project is Crestview/Ashland Terrace<br>Lat: 35.11926° N<br>Lon: 85.28166° W |
| Estimated Cost: | Will be determined by consultant w/ SOW |
| Status: | 2024-Concept |

| | |
|---|---|
| Project Name: | 6-Sidewalk Connectivity Spring Rd to Stringers Tunnel |
| Priority: | TBD |
| Description: | This project was attempted twice before as a multi-modal project. Some mediocre preliminary plans were made but we did not receive the grant. This is state ROW and the multi-modal grant is a competitive grant with few recipients. New/Better design may improve our chances to receive this grant. We are currently awaiting TDOT's decision to restripe this area during FY-25 into a three lane venue that would facilitate our request for multi-modal funding improvements to the tunnel. Previously attempted to collaborate with the City of Chattanooga in order to make the connection THROUGH the tunnel as part of this project. |
| Additional Requirements: | Signalized pedestrian crossings at locations TBD<br>Signalized intersection at Ashmore Avenue<br>Additional pavement markings and signs<br>Drainage/storm water improvements<br>May require some additional ROW/May Not |
| Physical Locations: | Beginning at Spring Rd<br>Lat: 35.08439° N<br>**Lon:** 85.31731° W<br><br>Ending at the City Limits near Stringers Ridge Tunnel<br>Lat: 35.07473° N<br>**Lon:** 85.31847° W |
| Estimated Cost: | Will be determined by consultant w/ SOW |
| Status: | 2020 Multi-Modal Grant application-Failed in 2021<br>2021 Multi-Modal Grant application-Failed in 2022<br>2022-No grant application pending Mobility Study<br>2023-No grant application pending Mobility Study<br>2024-No grant application submitted |

| | |
|---|---|
| Project Name: | 7-Pedestrian Crossing from Ashmore Avenue across Memorial Drive |
| Priority: | TBD |
| Description: | There is currently an existing sidewalk on the norther expanse of Ashmore Avenue that crosses on private property in from of privately owned homes. The sidewalk continues into the ROW but abruptly ends with no ADA accessibility. This project will create additional sidewalk capacity east on Memorial drive to a crossing point either at Middle Ashmore or James Ave that will connect pedestrians through to E. Midvale and eventually to White Oak Park and the Stringers Ridge Connector Trail. |
| Additional Requirements: | Signalization (both vehicular and pedestrian)<br>ADA accessibility upgrades<br>Drainage/storm water improvements<br>Pavement markings and signage |
| Physical Locations: | Beginning<br>Lat: 35.11926° N<br>Lon: 85.28166° W |
| Estimated Cost: | Will be determined by consultant w/ SOW |
| Status: | 2024-Concept<br>20240730-Facilities Manager working on design |

| | |
|---|---|
| Project Name: | 8-Pedestrian Crossing from White Oak Park to SRCT |
| Priority: | #1 |
| Description: | The sidewalk coming out of White Oak Park ends just outside the gate. There is approximately 220 feet from the end of the sidewak to the entrance to the Stringers Ridge Connector Trail. There is no safe crossing point for pedestrian traffic. This project will connect WOP and the Stringers Ridge Connector Trail with an ADA accessible crosswalk to the opposite side of E. Midvale and the entrance to the Stringers Ridge Connector Trail. |
| Additional Requirements: | ADA accessibility upgrades<br>Drainage/storm water improvements<br>Stamped pavement in advance of the crosswalk<br>Site activated LED cross-walk signals |
| Physical Locations: | Beginning<br>Lat: 35.08717° N<br>**Lon:** 85.30730° W<br><br>**Ending**<br>Lat: 35.08705° N<br>**Lon:** 85.30801° W |
| Estimated Cost: | Will be determined by consultant w/ SOW |
| Status: | 2024-In process--Bid closing date of 4-22-2024<br>20240716-Contract signed-Awaiting contractor to begin |

| | |
|---|---|
| Project Name: | 9-Sidewalk from the Red Bank Community Pool to the Red Bank Community Center |
| Priority: | |
| Description: | Construct a sidewalk that connects to the existing sidewalk above the Red Bank Community Pool to the Red Bank Community Center. Install a cross walk connecting the sidewalk to the Community Center parking lot. |
| Additional Requirements: | ADA accessibility upgrades<br>Drainage/storm water improvements<br>Stamped pavement in advance of the crosswalk<br>Site activated LED cross-walk signals |
| Physical Locations: | Beginning<br>Lat: 35.12298° N<br>**Lon:** 85.30730° W<br><br>**Ending**<br>Lat: 35.12108° N<br>**Lon:** 85.30801° W |
| Estimated Cost: | TBD |
| Status: | 2024 Concept-TBD by consultant SOW |

# RED BANK

The competitive cable and video services act

5%of the gross revenue paid out to the city on a quarterly basis.

1 audit a year up to 3 years back.

Late payments result in a 1% interest for every month that its late.

Supplementary documentation should be provided with the payments. Showing the breakdown of the payment.

A payment can be considered late 45 days after the end of the quarter.

10 Years contracts on average.

**AT&T (DirectTV, South Belle Telecom)**

**Comcast**

EPB

Contract lapsed and new contract is in the works.

**Franchise Agreements:** Agreements/ contracts between a city/ state and a organizations that allows said organization to utilize a city's "right of way" in order to deliver a service to a designated area. Most commonly utilized by companies that provide cable and or video services as defined by "The competitive cable and video services act" of Tennessee.

Zayo Group

Communications infrastructure

5 year contract that auto renews for three terms. Total of 15 years.

Yr. 1-5 $5,000
Yr. 6-10 $7,500
Yr. 11-15 $10,000
Yr. 16-20 $15,000

Contract was signed in 2019 which means that Red Bank is entering the 6th year of the contract

No auditing clause in the contract.

The city retains the right to revoke this license in the event of a material breach.

Failure to compensate the city accordingly as outlined in the contract constitutes a material breach.

SCAN ME

Formal complaints can be filed with the Tennessee Public Utility Commissions

**State Franchise there is no direct contract negotiated with Red Bank

www.tn.gov/tpuc/divisions/utilities-division/utilities-competitive-cable-and-video-service-act.html

# WORKFLOW TOWARDS CONVERSION COMPLIANCE

PARKS & RECREATION MASTER PLAN

**Anticipated Timeline**

August 2024

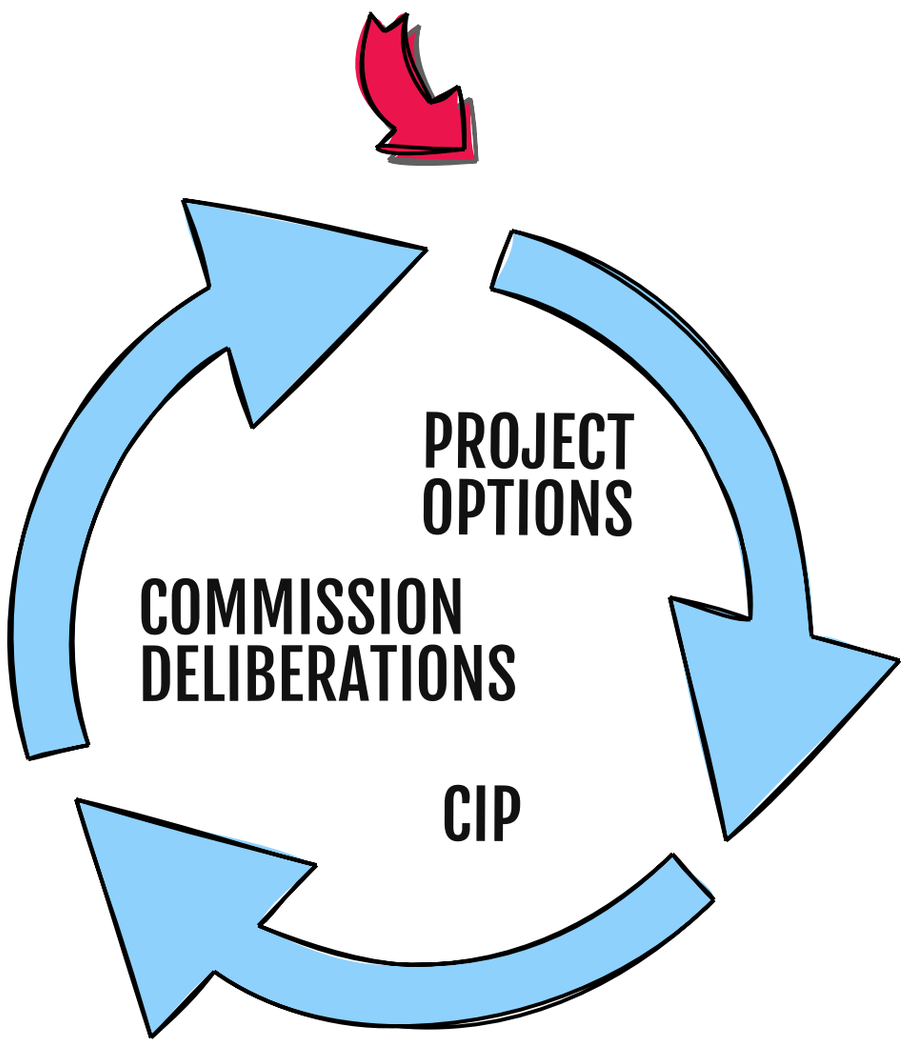
SMALL AREA STUDY

October 2024

Presentation of Small Area Study and Comprehensive Plan Nov/Dec 2024

CITY-WIDE COMPREHENSIVE PLAN

Final - January 2025




Commission Retreat February 2025

CITY COMMISSION DECISION

FY26 Budget Development May/June 2025

## CONVERSION SCOPE DEVELOPMENT & APPLICATION

Version: lj
18July2024

# City of Red Bank
# Parks and Recreation Master Plan

July 2024

# Special Thanks

## Red Bank

### Board of Commissioners

Hollie Berry, Mayor

Stefanie Dalton, Vice Mayor

Jamie Fairbanks-Harvey, Commissioner

Pete Phillips, Commissioner

Hayes Wilkinson, Commissioner

### City Manager

Martin Granum, City Manager

### Parks, Trails, & Recreation Department

Jeffrey Grabe, Parks, Trails & Recreation Manager

### Public Works

Greg Tate, Director

Leslie Johnson, Deputy Director

Justin Headrick, Facilities Manager

### Parks & Recreation Citizens' Advisory Board

Karissa Peyer, Chair

Robin Pipkin Parker, Vice-Chair

Jennifer Crum, Secretary/Recorder

Blake Pierce

Daniela Peterson

Don McKenzie

Gaston Farmer

Kyle Murphy

Patrick Kelly

Randy Lebioda

## Kimley-Horn

### Design Team

Alisha Eley

Ashley Akers

Sara Dufek

Jack Stockhausen

Rachel Nobles

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# Introduction

## Section 1

## Mission

The Mission of the Parks, Trails, & Recreation Department is to promote quality recreation opportunities for the health and well-being of all citizens of the City of Red Bank. Our goal is to create and maintain inclusive and engaging parks, trails, playgrounds, programs, and events for all to recreate.

## Purpose

The purpose of this plan is to serve as a working document for the City and its Parks, Trails, and Recreation Department for the planning, enhancement, and development of parks, recreation facilities, and programs in Red Bank for the next 10 years. Red Bank is faced with unique constraints not many other cities are faced with; it is bordered on all sides by Chattanooga which makes it landlocked with no room to expand. It is exceptionally important to understand the existing assets in Red Bank due to the geographic restrictions.

The goal of this comprehensive parks and recreation master plan is to serve as a long-range strategy for decision making and financial investments for the creation, optimization, and maintenance of Red Bank's parks and recreation assets over the next 10 years. It is fundamental for the end goal to ensure the community, stakeholders, and the data align around a central vision as noted and outlined throughout this document.

Meaningful stakeholder engagement, a demographics study, and public feedback were vital steps of the planning process used to discover and preserve Red Bank's community identity while also meeting the needs of a growing and changing community. The demographic analysis was conducted to provide a comprehensive understanding of the residents within Red Bank's community. The data collected through the community engagement was supplemented with a thorough inventory of existing parks and recreation facilities to produce recommendations to build upon Red Bank's existing assets. This master plan provides recommendations for existing and new facilities, existing and new programming, financial and budget strategies, staffing, maintenance, and standard operations, and aims to set realistic goals and expectations for feasible implementation strategies.

CITY OF RED BANK
CITY HALL
3105

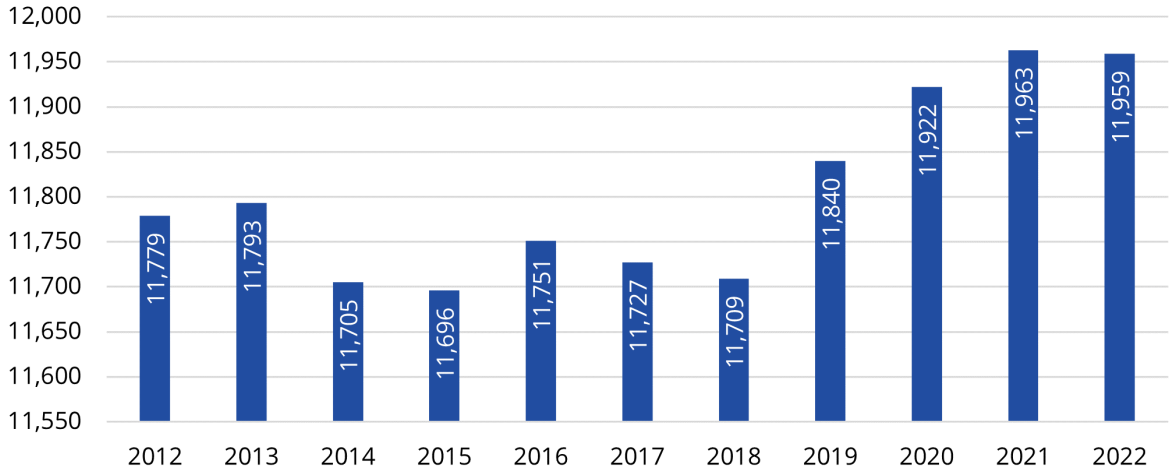
# Demographics Analysis

Section 2

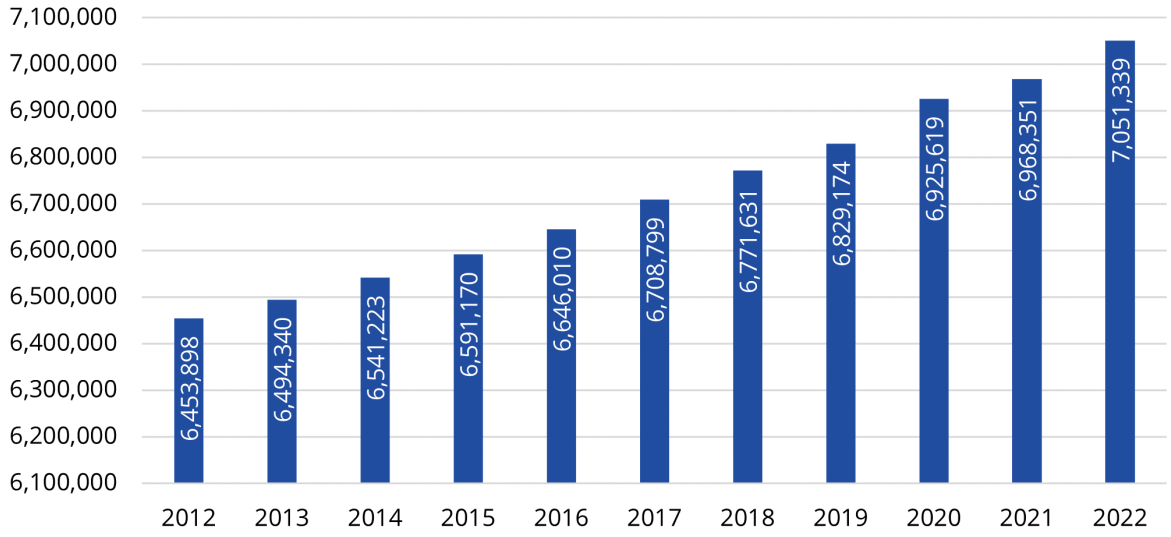
## Population

According to the U.S. Census, the population of Red Bank in 2022 was 11,959 residents. Red Bank has seen a small amount of growth in population numbers since 2012, with an overall average increase of 0.19% annually. The graphs below illustrate the change in population between 2012 and 2022 in Red Bank and in the state of Tennessee. Although Red Bank has experienced slight fluctuation in their population annually, the trend is generally in a growing pattern which is in line with the state's trend of a steadily growing population.

### Population Estimates for Red Bank, TN



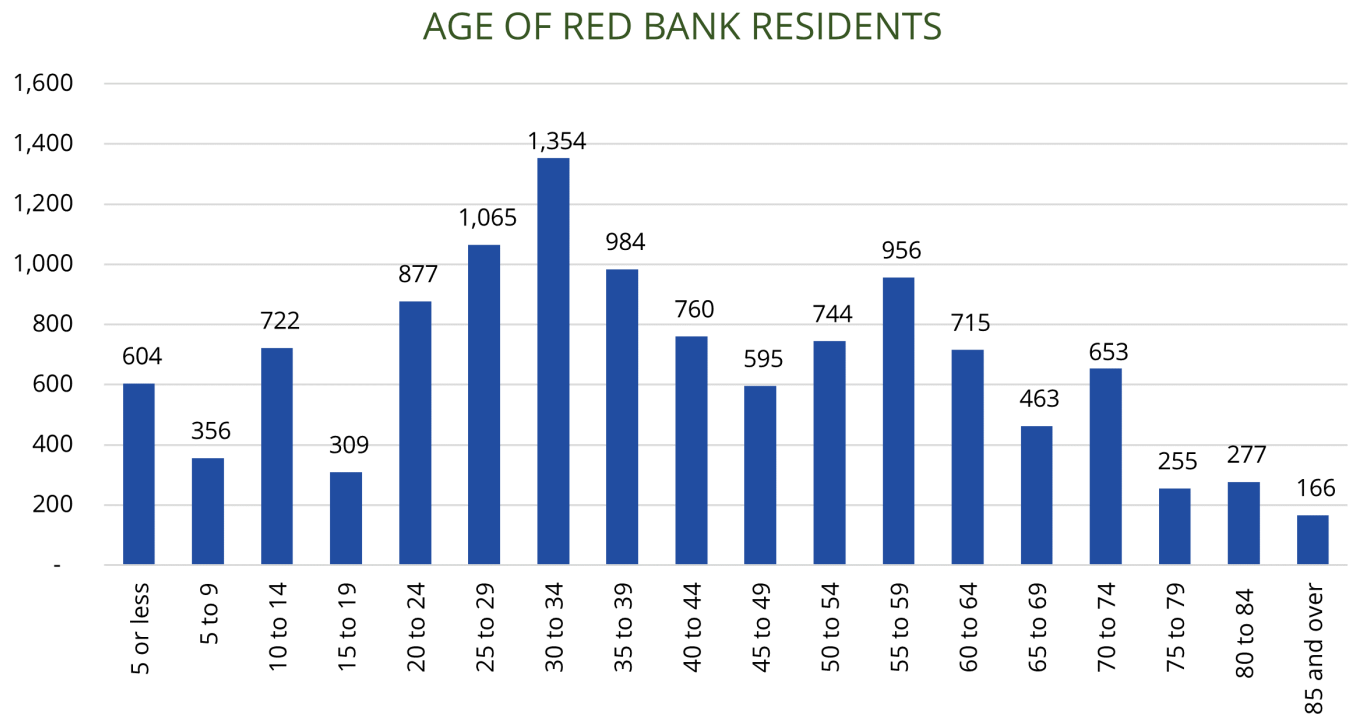

### Population Estimates for the State of Tennessee




Source: U.S. Census Bureau (2023)

# Age

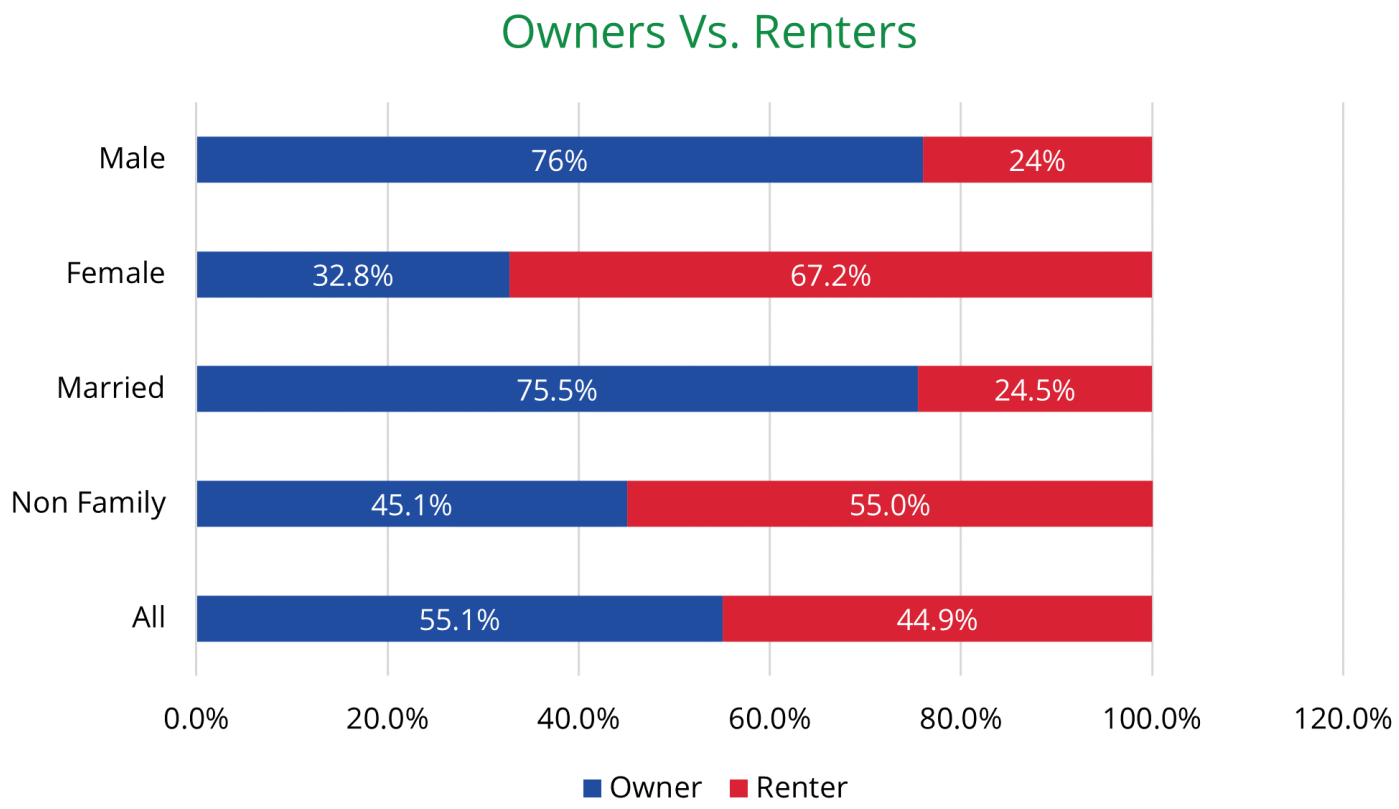
The median age of Red Bank's residents is 38 years old which is on par with the statewide average of 38.8 years old. Red Bank's largest age bracket includes 30 to 34 years old, comprising approximately 11% of the population. The second largest age bracket is 25 to 29 years old (9%). Approximately 17% of Red Bank's population is under the age of 19, 54% are 20-54 years old, and 29% of Red Bank's residents are 55+ years old.




Source: U.S. Census Bureau (2022). Age and Sex. American *Community Survey, ACS 5-Year Estimates Subject Tables, Table S0101*

## Households

The total estimated number of households in Red Bank is 5,892 households with an average household size of 2.01 individuals. Red Bank is predominantly made up of non-family households. The second highest reported household type were married households. 55.1% of Red Bank's residents are homeowners and 44.9% are renters. Additionally, 43.3% of residents live alone.




Source: U.S. Census Bureau (2022). Selected Social Characteristics in the United States. *American Community Survey, ACS 5- Year Estimates Data Profiles, Table S1101*

| Red Bank Household Breakdown | Total |
|---|---|
| **Households** | |
| Total Households | 5,892 |
| Average Family Size | 2.01 |
| **Families** | |
| Total Families | 2,795 |
| Average Family Size | 2.71 |
| **Household Statistics** | |
| Households with one or more people under 18 years | 19.9% |
| Households with one or more people 60 years and over | 31.1% |
| Households with one or more people 65 years and over | 23.6% |
| Householders living alone | 43.3% |
| 65 years and over | 11.9% |

Source: U.S. Census Bureau (2022). Selected Social Characteristics in the United States. *American Community Survey, ACS 5- Year Estimates Data Profiles, Table S1101*

Photo by Brooke Bragger

## Race and Ethnicity

The data below provides a breakdown of Red Bank's race and ethnicity statistics reported by the U.S. Census Bureau which is based on self-identification by participants of the U.S. Census. The U.S. Census Bureau defines their race and ethnicity data as follows, "The racial categories included in the census questionnaire generally reflect a social definition of race recognized in this country and not an attempt to define race biologically, anthropologically, or genetically. In addition, it is recognized that the categories of the race item include racial and national origin or sociocultural groups. People may choose to report more than one race to indicate their racial mixture, such as 'American Indian' and 'White.' People who identify their origin as Hispanic, Latino, or Spanish may be of any race."

| Red Bank Race and Ethnicity | Percentage |
|---|---|
| **Ethnicity** | |
| Hispanic or Latino | 7.74% |
| **Race** | |
| White | 79.35% |
| Black or African American | 6.63% |
| Two or More Races | 4.60% |
| Asian | 1.16% |
| Some Other Race (Alone) | 0.35% |
| American Indian and Alaskan Native | 0.15% |
| Native Hawaiian and other Pacific Islander | 0.02% |

Source: U.S. Census Bureau (2020). RACE. *Decennial Census, DEC Redistricting Data (PL 94-171), Table P1*

Photos by Brooke Bragger

# Community Engagement

Section 3

# Public Survey

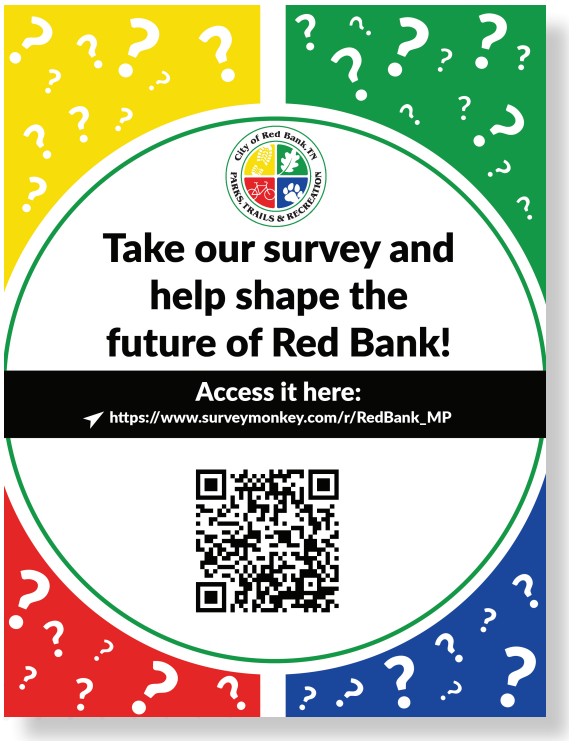
## Approach

An online survey served as a key public engagement strategy to gathering feedback from the community. The 17 questions in the survey were developed to gather data regarding perceptions, programming, and user trends across the community's parks and recreation facilities. Red Bank promoted awareness and participation for the survey through social media, press release, email lists, flyers, splash page on the City website, door knocking campaigns in addition to a booth at the Christmas Parade. The survey was provided in both English and Spanish options. The survey received 883 responses and was opened early December 2023 and closed early January 2024.

The results summarized in the following exhibits reflect the feedback provided by the participants that completed the survey. The input they offered provided the master plan team with critical insights that will be utilized by the City to determine future focus areas, current shortcomings, and proposed improvements. Users were allowed to "skip" answers, resulting in some responses not totaling 100%.

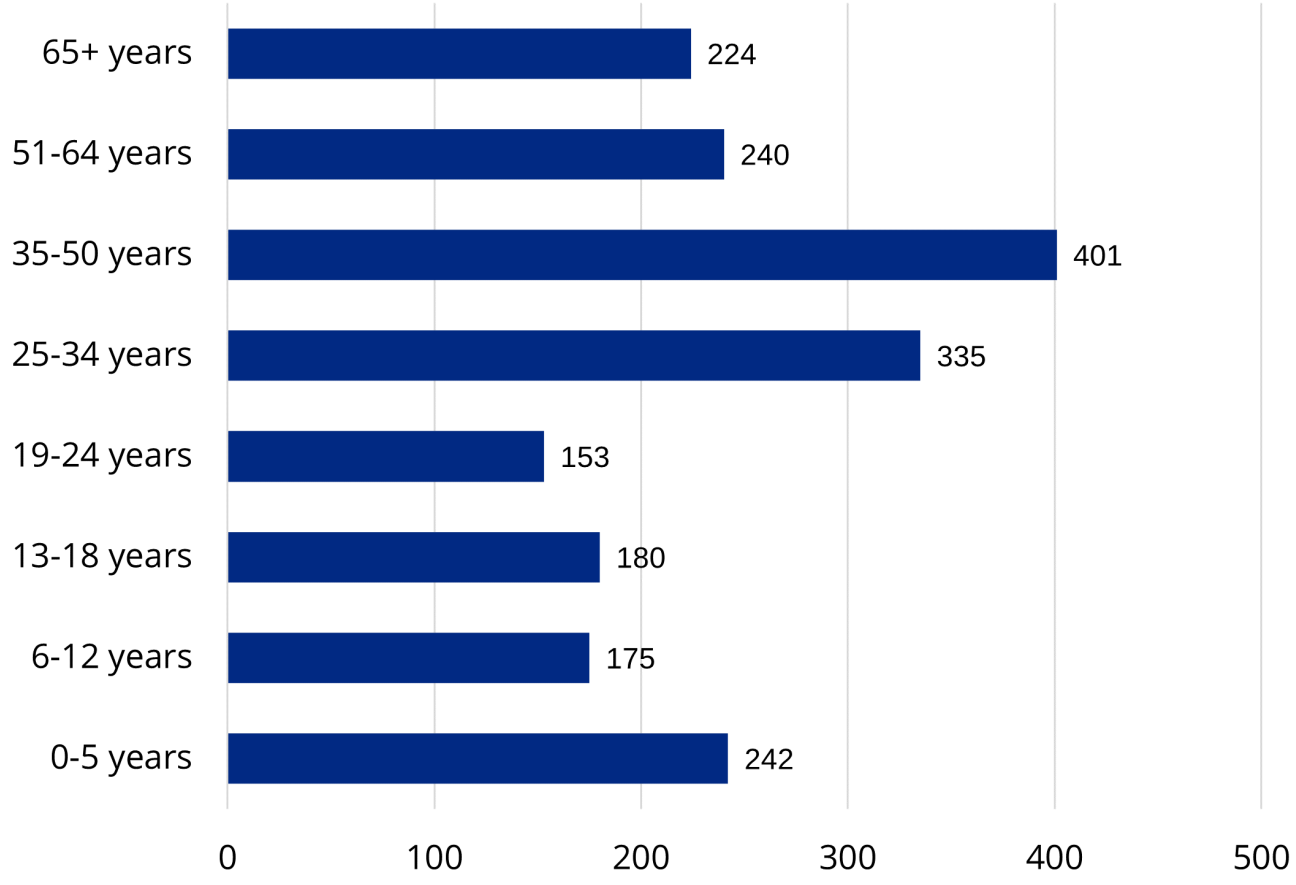
The public survey had a total of 17 questions that can be grouped into four categories:

1. **Demographics**
2. **Facility and Amenity Usage**
3. **Facility and Amenity Perception**
4. **Future Facility and Amenity Usage**



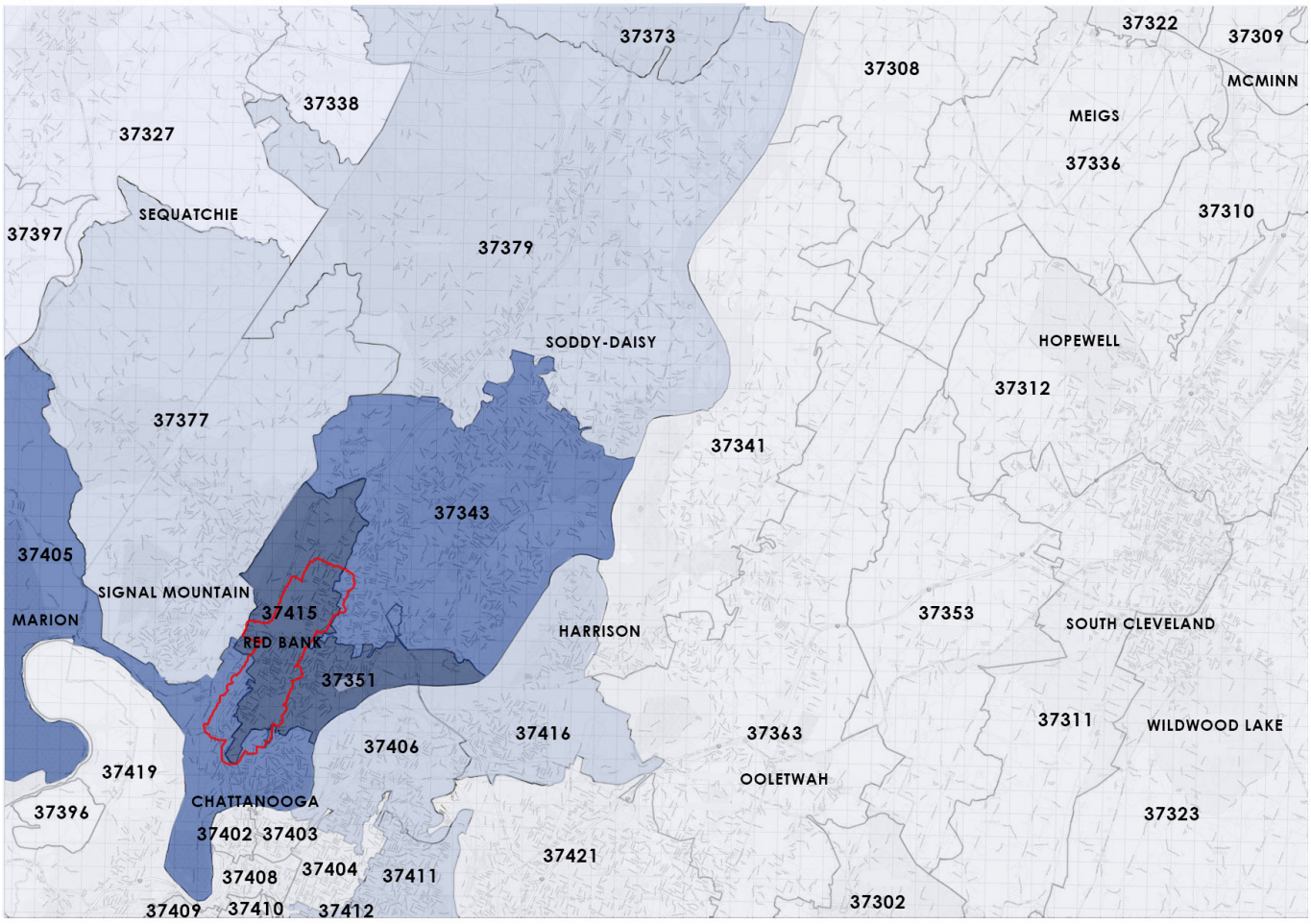
## Provide the number of people in each age group present in your household:

Survey participants were asked about the age groups in their individual homes. Approximately 30% of the participants' households have individuals under the age of 18 years old. 58% have individuals who are between 19 and 64 years old, and 12% have individuals over the age of 65 years old.



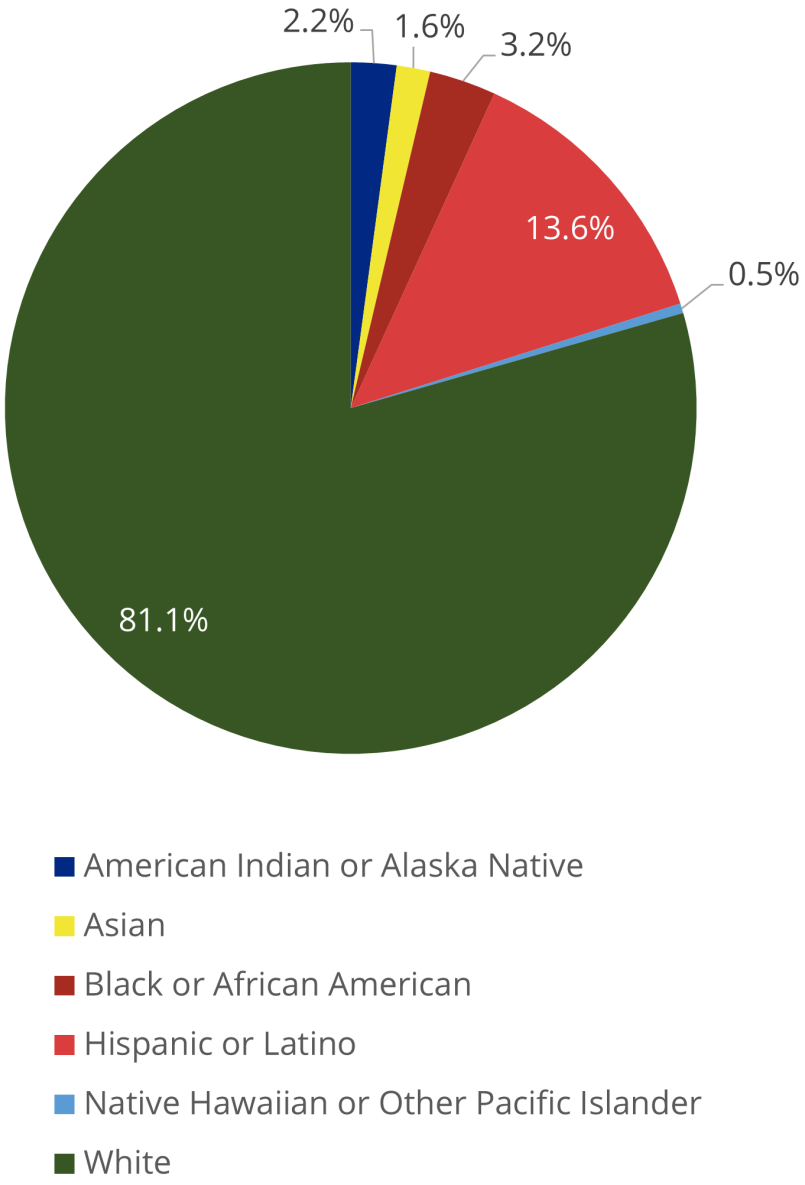
## What is your zip code?

Survey participants were asked what zip code they live in to help the City get a better understanding of the broader region of users that utilizes the City's park and recreation facilities. The figure below is a density map color coded with the number of respondents for each zip code area in the region. The three largest zip code areas represented were 37415 (Red Bank and Chattanooga) with 750 respondents, 37405 (Chattanooga) with 56 respondents, and 37343 (Hixson) with 25 respondents.



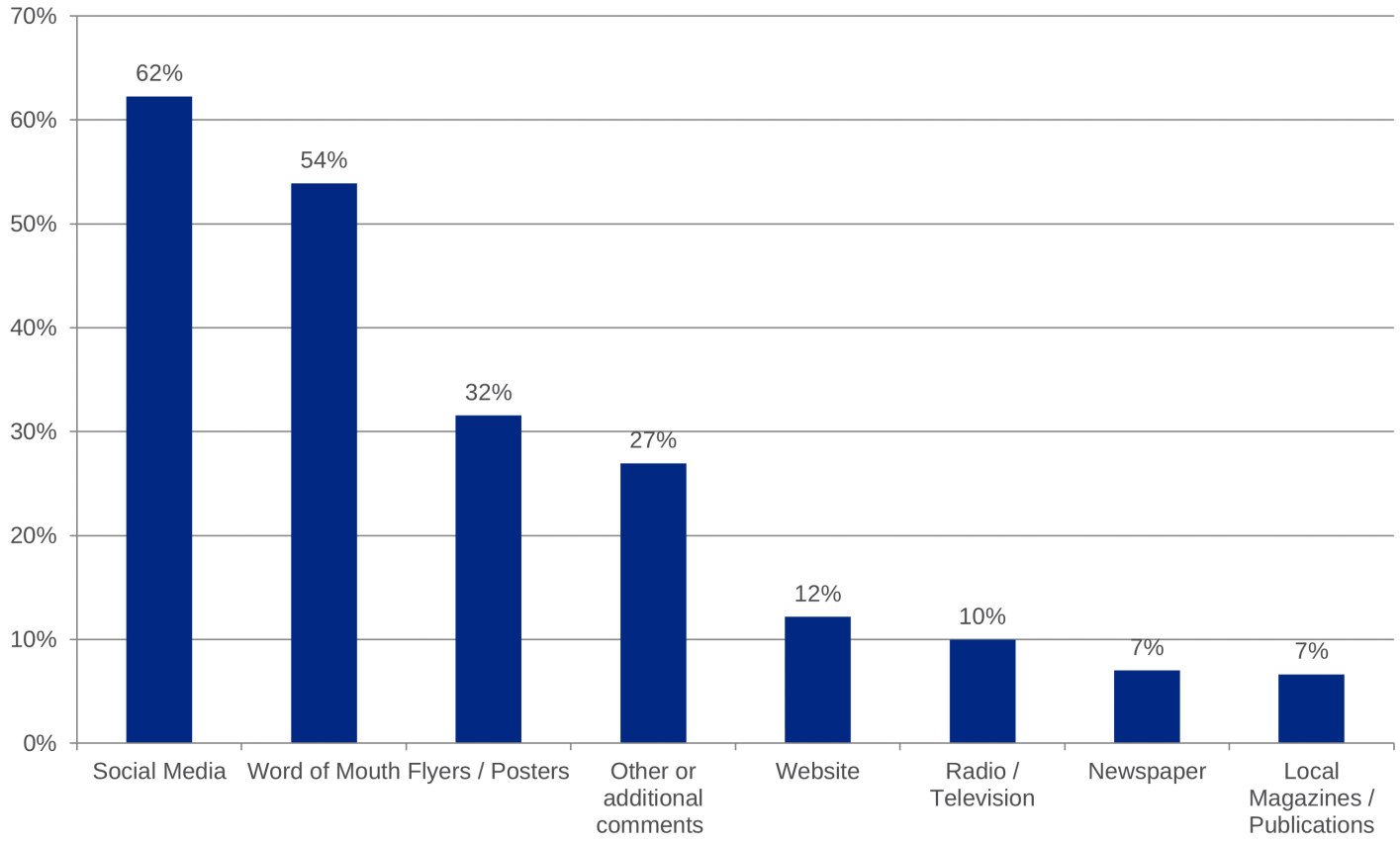
## What ethnicity/race is represented in your household?

The ethnic distribution of survey participants' households matches closely with the ethnic and racial makeup of Red Bank. Survey respondents' household were 81.1% White,13.6% Hispanic or Latino, 3.2% Black or African American, 1.6% Asian, 2.2% American Indian or Alaska Native, and 0.5% were Native Hawaiian or Other Pacific Islander. 6.7% of respondents declined to share their ethnic identification. These results generally follow the reported U.S. Census data for Red Bank's race and ethnicity data, found on page 11 in the Demographics section of this master plan.



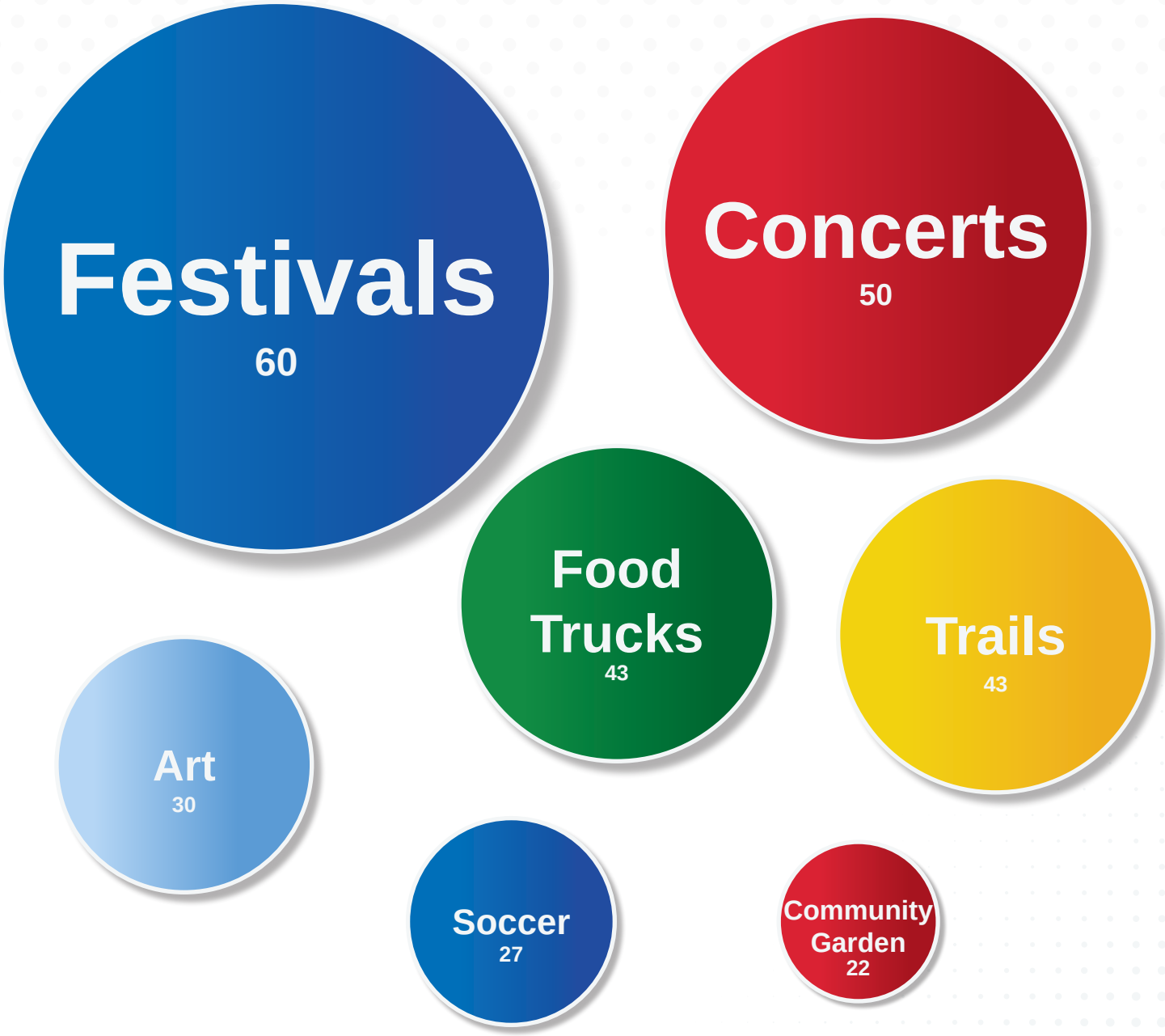
## How do you learn about Red Bank community events?

Survey participants were asked to share how they learn about community events. They were encouraged to select each of the avenues of engagement they utilize to learn more about community events. The figure below shows social media and word of mouth as being the most popular responses. In the comments, many expanded upon their answers and wrote in Facebook and Instagram as a popular social media platforms for learning about community events. Many others wrote in email and the city newsletter as their primary source of information about community events.



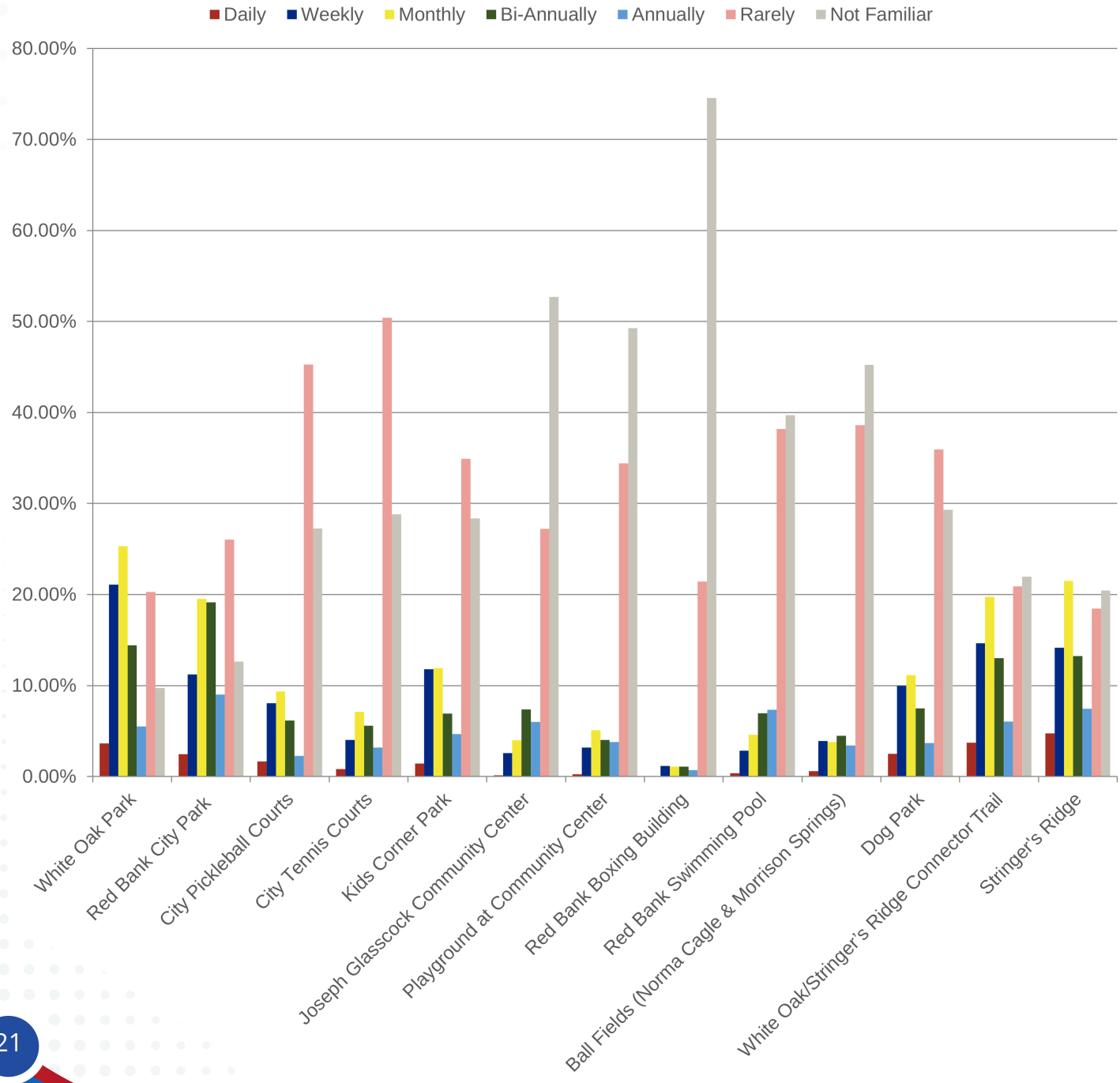
## Which activities/programs/events would you like Red Bank to add?

When asked what activities, programs, or events residents would like Red Bank to add, many respondents selected festivals, concerts, trails, and food trucks. These results are shown in a word cloud, which highlights common responses.



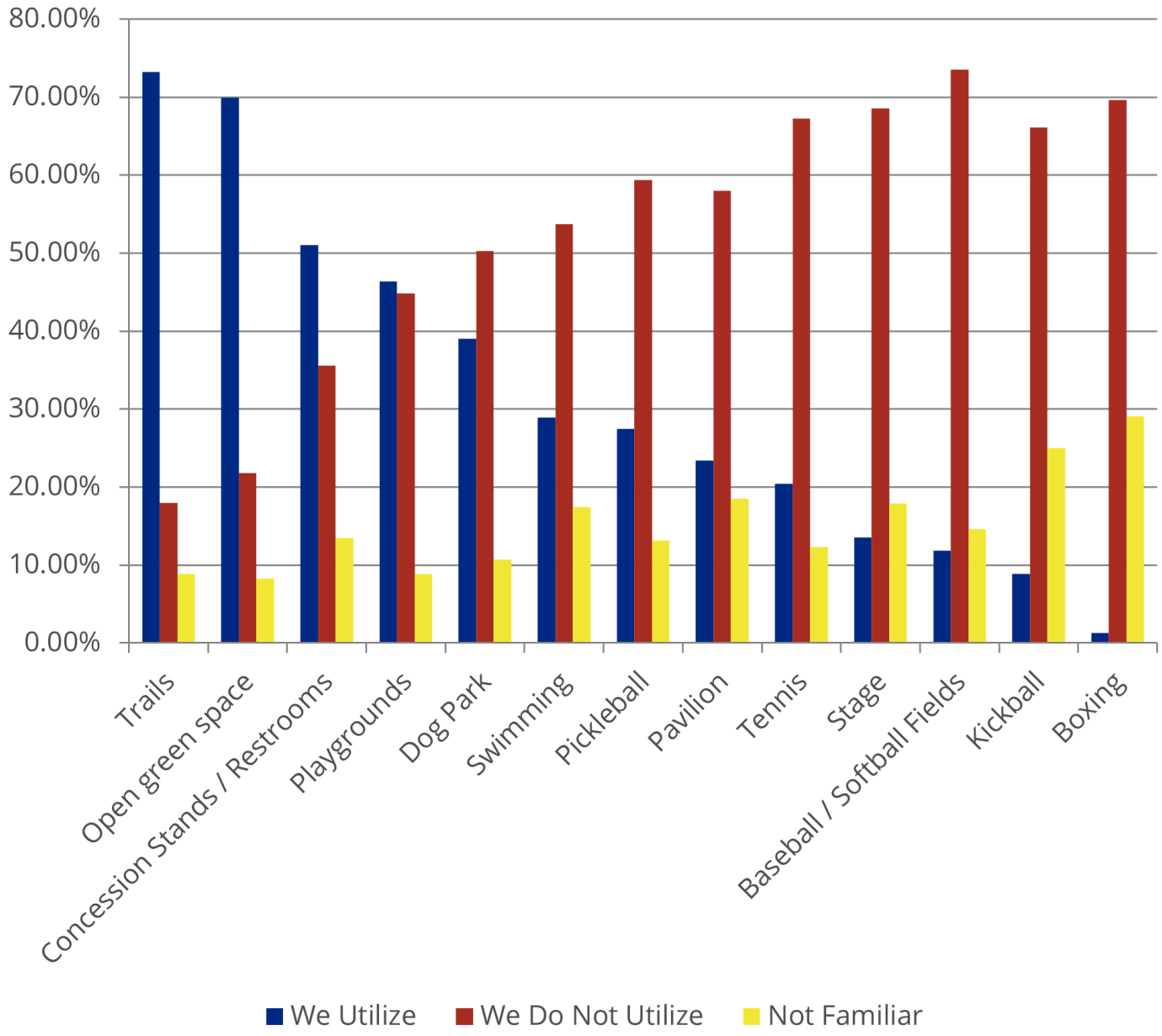
## How often does your household visit the listed Red Bank facilities, parks, and greenways?

Survey respondents were asked how often they and their families visited certain parks within the community on a daily, weekly, monthly, bi-annually, annually, rarely, and not familiar. Based on the responses, Stringer's Ridge, White Oak Park, and the White Oak Park Connector Trail were the top visited facilities on a daily, weekly, and monthly basis. 75% of the respondents said they were most unaware of the Red Bank Boxing Facility.



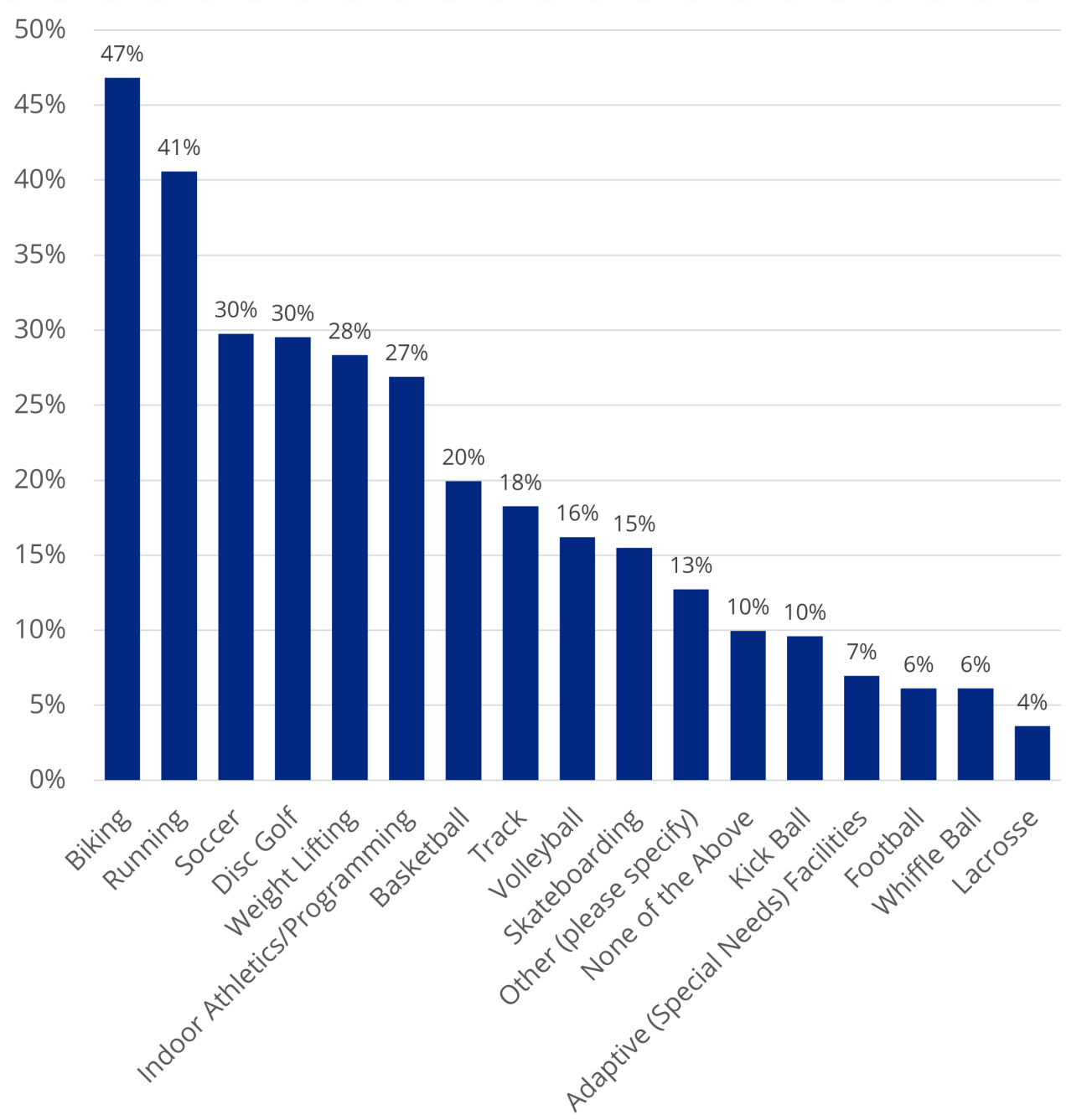
## Which Red Bank facilities and amenities does your household utilize?

The most utilized facilities selected were trails (73%), open green space (70%), concession stands/restrooms (51%), and the playgrounds (46%). The least utilized facilities were baseball/ softball fields (74%), boxing (70%), stage (69%), and tennis (67%).



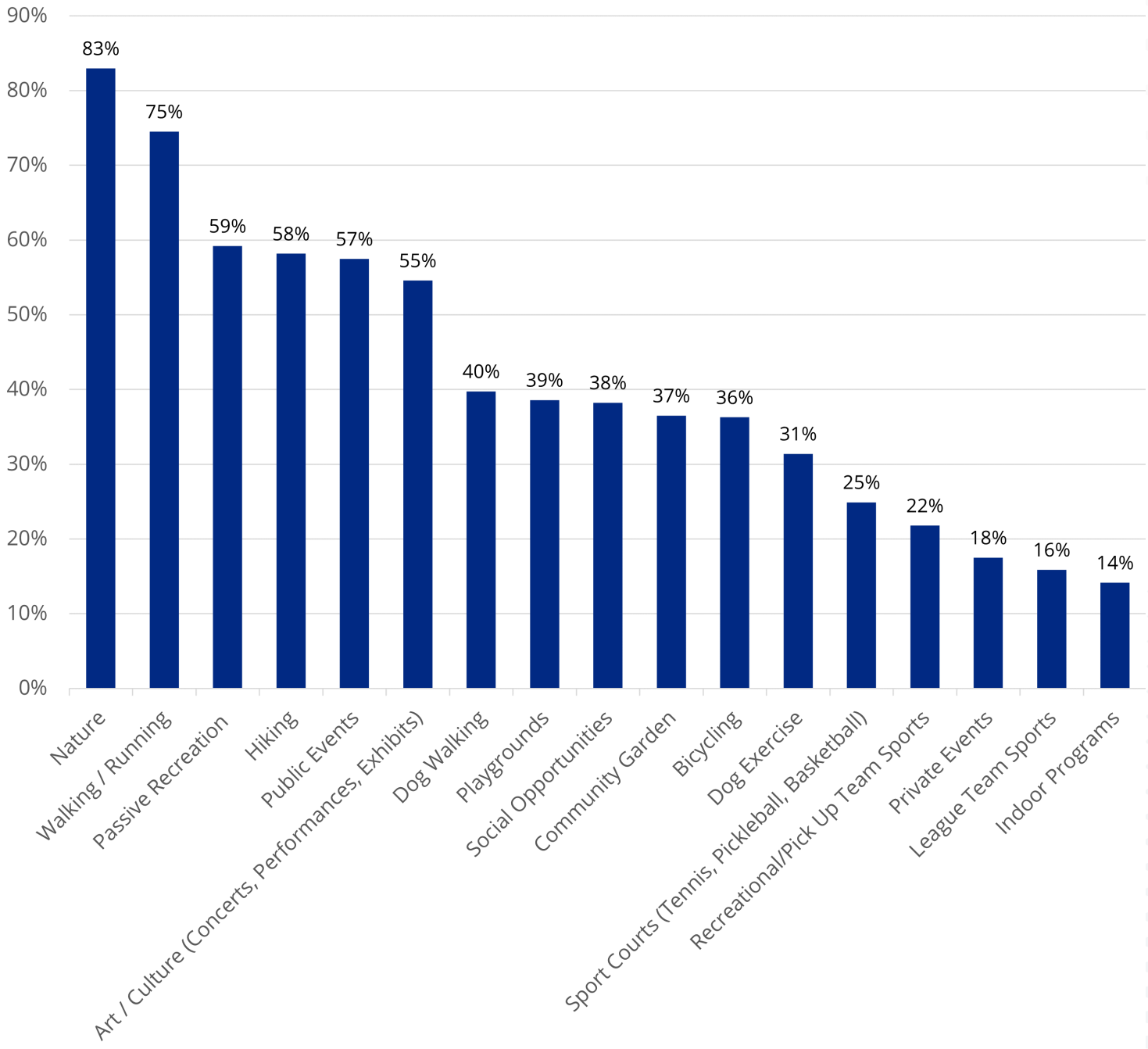
## What type of athletic facilities/programming would your household utilize, if available?

Respondents were asked to select all the recreation facilities and programming their household would utilize if it were available. Biking (47%) was submitted highest, running (41%) was the second highest, and soccer and disc golf (30%) were marked as the third highest responses. The least desired facilities were lacrosse (4%), whiffle ball (6%), and football (6%). Walking, yoga, and climbing were top programs written in under "other."



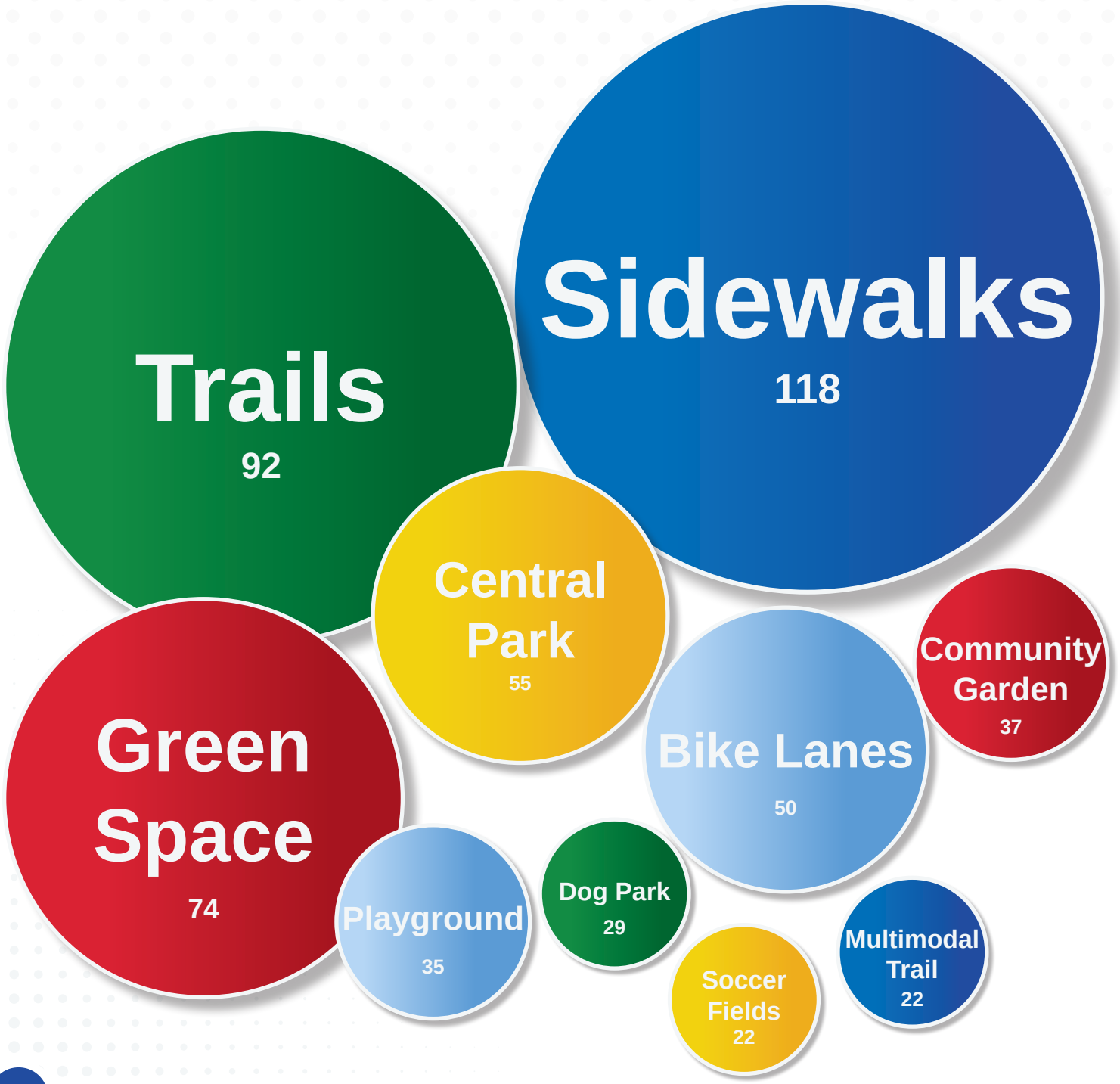
## What attracts you to parks and/or recreational facilities?

Residents were asked what attracts them to their local park or facility, with nature being the favorite at 83%, and walking/running being a close second at 75%. The lowest attractions identified were indoor programs at 14% and league team sports at 16%. Events, hiking and soccer were amongst the top attractions that were written in under “other.”



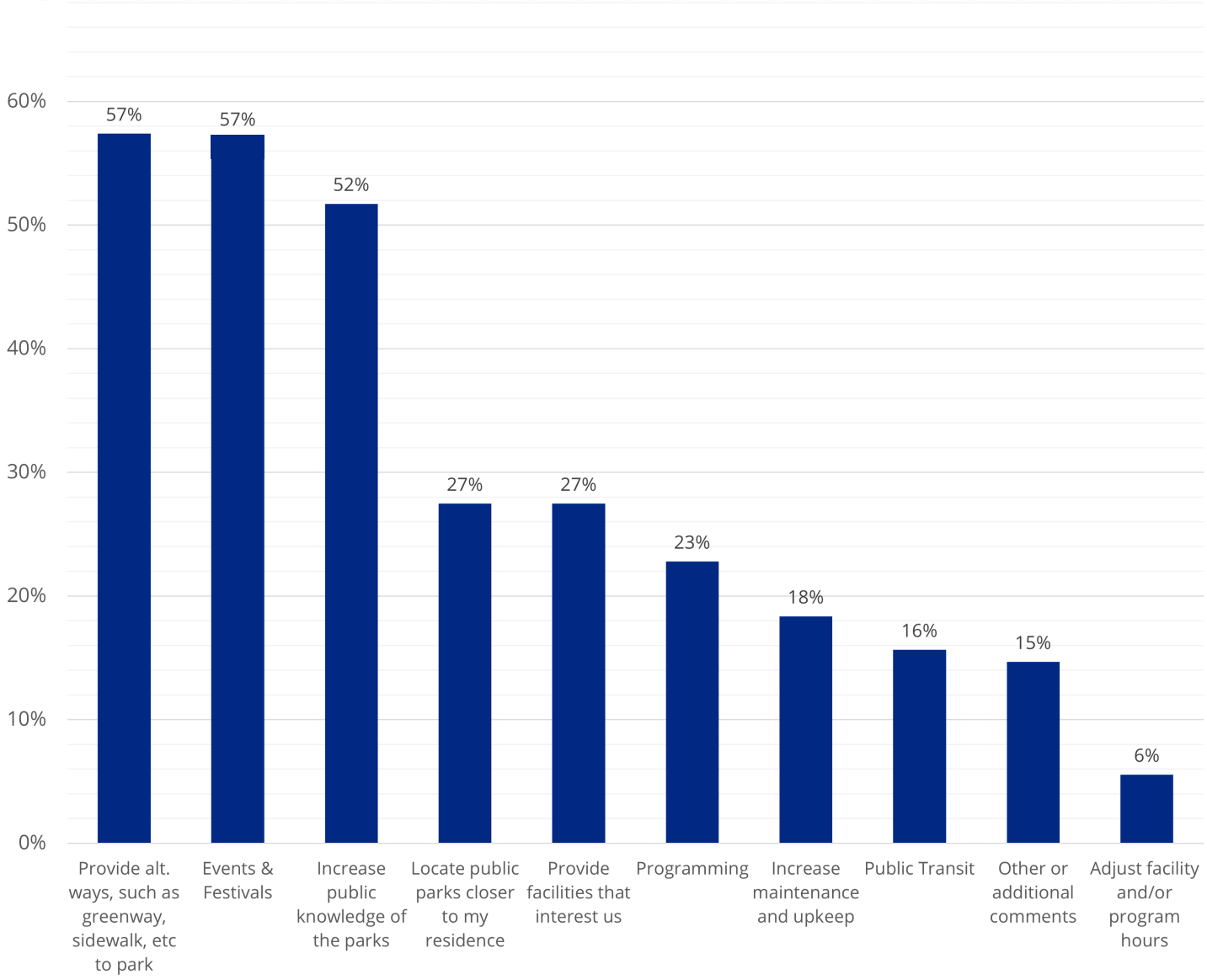
## What type of parks, facilities, amenities, or features would you like Red Bank to add or expand?

Respondents identified the type of facilities they would like to see added or expanded upon in Red Bank, and the most common responses were overwhelmingly sidewalks. Other noteworthy responses include trails, green space, and the central park concept at the old middle school.



# What could the City do to increase the number of times you visit a Red Bank park or facility?

Survey respondents cited a wide variety of ways that the City could increase the number of times they visit the parks and recreation facilities. The graph below shows the two most frequent answer at 57% were to provide alternative ways to access the park such as greenways and sidewalks as well as events and festivals. The next most common response was to increase the public knowledge of the parks (52%). Around 15% of respondents added an additional comment, and the most common comments were to improve parking, add bike lanes, and improve safety.



## What are the strengths of the parks in Red Bank that we need to build on for this master plan?

Survey participants identified several strengths of the parks and recreation system in Red Bank, including cleanliness and maintenance being the most frequent responses. The word cloud lists several other comments about the strengths of the City parks.

## What are the weaknesses of the parks in Red Bank that we need to suggest improving in this master plan?

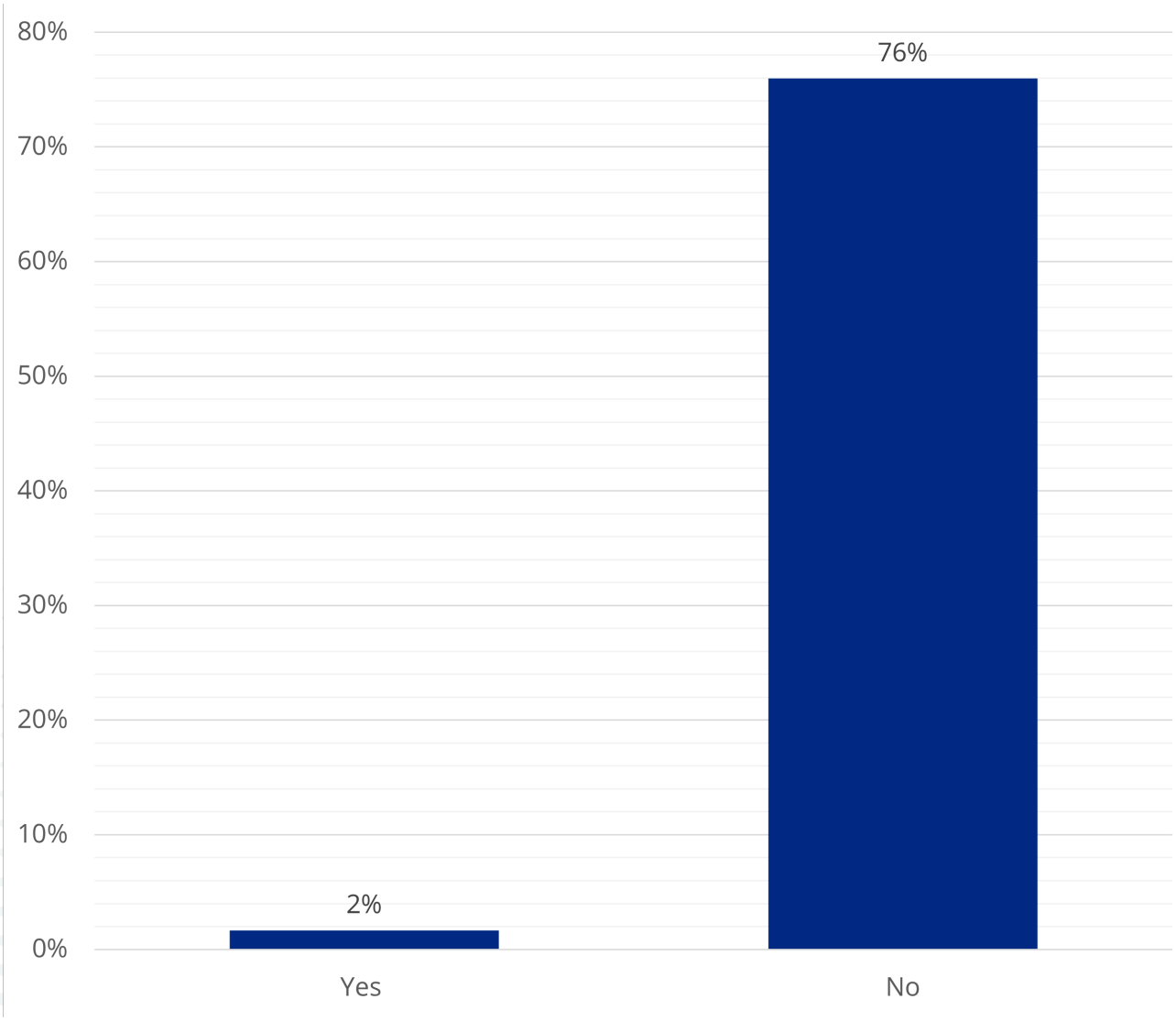
Respondents identified several weaknesses of the parks and recreation system in Red Bank, including lack of pedestrian accessibility, lack of parking, and lack of park locations across the City. Additional frequent responses included the lack of connectivity and need for signage. The word cloud illustrates some of the frequently mentioned weakness in the comments.

## Have you encountered barriers that prevent you from accessing Red Bank parks?

When asked if there were any barriers preventing access to the City parks, three-fourths (76%) of respondents responded no, while just 2% responded yes. Respondents who answered yes were given the option to write a comment.

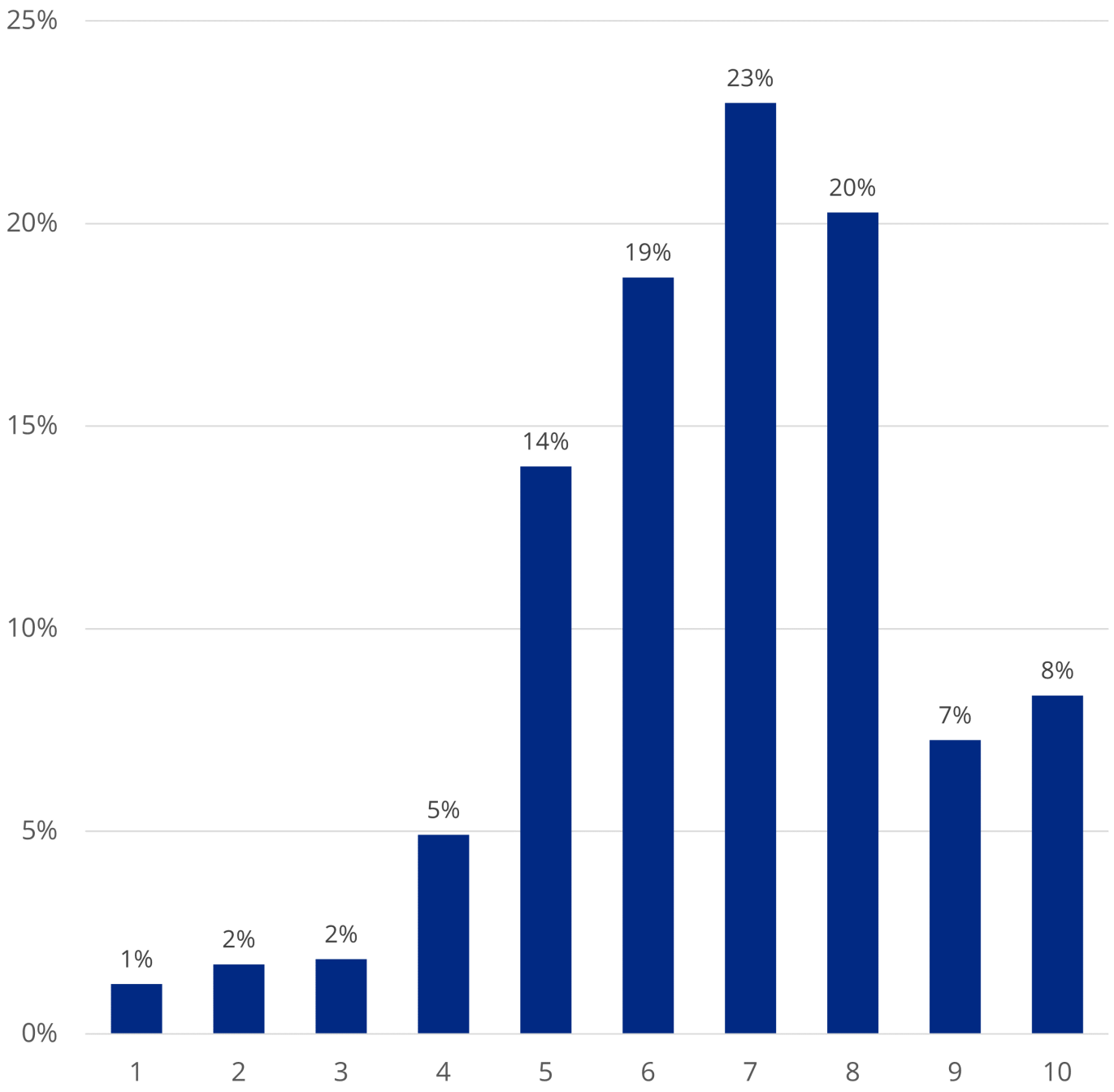
Frequent responses in the written-in responses include:

- ADA accessibility at park facilities
- Lack of pedestrian infrastructure in place to safely access the parks and facilities, specifically a lack of safe crosswalks to cross busy main roads
- Lack of communication and information about the parks and facilities



## On a scale of 1 to 10 with 10 being superior, how would you rate the parks and recreation facilities citywide?

When asked to rate the City's park systems on a scale of 1 to 10, the most frequent rating was 7 out of 10, and the average rating was 6.7 out of 10. This suggests that the park and recreation facilities are above average.

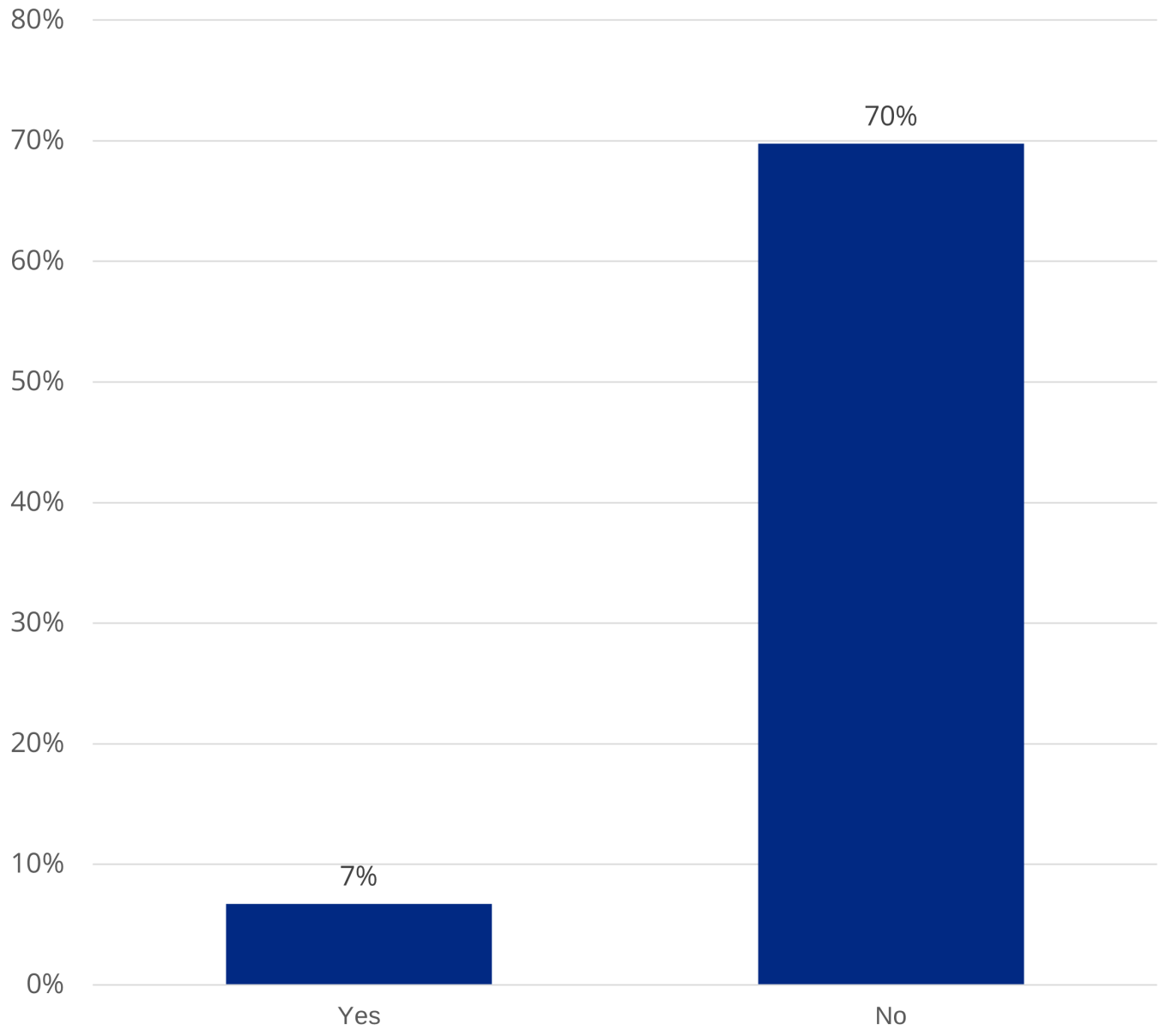


## Where should the City focus its resources to improving the City's parks and facilities?

When asked where the City should focus its resources, respondents mentioned adding a park at the old middle school, increasing accessibility, expand sidewalks, add bike paths/bike lanes, and to expand the trail system. Respondents also listed that they would enjoy more green space and events.

## Do the City's recreation facilities have operational or maintenance issues that need to be addressed and improved upon?

When asked if there were any operational or maintenance issues to be addressed, well over half (70%) of respondents responded no, while just over 7% responded yes. Respondents who answered yes were given the option to write a comment. Most of the comments pertained to the overall maintenance and cleanliness of the parks and to update the pool.



# SWOT Analysis

The consultant team conducted a strengths, weaknesses, opportunities, and threats (SWOT) analysis on Monday, October 23, 2023 with City staff and key stakeholders. Additional SWOT data was gathered from other key stakeholders such as the Parks and Recreation Advisory Board, all five City Commissioners, Red Bank Partners, and the public comments from the May 13th public meeting. The input provided during the SWOT analysis is integral to the master planning process and is used in conjunction with staff interviews and the public survey to get a broad spectrum of public and stakeholder input. Several strengths, weaknesses, opportunities, and threats were identified by project stakeholders and are listed below in no particular order of priority or significance.

## Strengths

- Have a lot of passionate people who want to get engaged and see the parks grow
- Inside metro Chattanooga, there are surrounding park space
- The land constraints provides a cap on population and development, allows for more focus on amenities
- Variety of amenities
- Connected to Stringer's Ridge
- Dedicated staff, increased capacity, growing
- Support from the City Commissioners
- Perception of safety
- Strong pickleball community
- People travel from outside of the city to use to dog park and it is open year-round
- Community Center
- History of being in the park business with park facilities
- Large parks advisory board
- New programming of existing park space
- Changing demographics
- Remaining City land for recreation
- Food Truck Fridays
- Engaged planning commission
- Variety of committees and groups that are engaged
- New City communication infrastructure that is thriving
- Moon Pie Moon - 5K at Jubilee
- Current fee structure of affordability
- Jubilee and Christmas Parade
- In-house CPSI (playground reviewer)
- Fresh start for department with no past issues to overcome
- Ability to be nimble and flexible with new challenges and opportunities
- Proximity to Walden's Ridge
- Transparency in Red Bank's Government

# Weaknesses

- Conversion agreement
- Not a lot of flat walking areas for recreation
- Stringer's Ridge (no current trail maintenance plan in place, lack of wayfinding and signs)
- No trail maintenance plan
- Late to addressing the needs from the public
- Engagement from multiple demographics in the population
- Lack of accessible pedestrian infrastructure
- Lack of programming
- Little funding
- Lack of staffing
- No current planning in place
- Morrison ballfields are undersized for current baseball needs due to the older standards
- Existing programs are not serving residents
- Some existing amenities are underutilized
- Existing pool is beyond its lifecycle
- Existing facilities do not meet the needs and demands of their citizens
- Facility challenges such as no water fountains, lighting upgrades, lack of wifi
- Northern half of the City has no parks or amenities
- Stringer's Branch contamination issues
- Lack of standard operating procedures
- Incomplete portfolio of program offerings
- Lack of indoor facilities and programming
- Lack of wayfinding signage
- Lack of communication and information about City resources and contacts
- No restrooms at some parks
- Lack of partnerships with local entities
- Lack of shade in parks
- Lack of bike infrastructure and lack of alternative multimodal connectivity options to Chattanooga
- Lack of special needs opportunities
- Lack of economic development (i.e., shops and restaurants)
- Lack of cameras and safety infrastructure
- Don't identify Civil War history
- Lack of fee structure, currently low or lack of revenue opportunities
- A lot of mowing of flat spots at White Oak Park
- Condition of outdated infrastructure
- Most used playground is made out of wood
- Lack of neighborhood connectivity
- No online registration and other management tools for reservations, programming, tournaments, etc.
- Lack of staff to execute a trail management plan

## Opportunities

- Lyndon Loop for recreational walking (~1 mile on existing train track)
- Creative stormwater management strategies
- Stringer's Branch
- Partnerships with entities (e.g., churches, businesses, schools, etc.)
- Abandoned White Oak Elementary School property
- Determining potential partnerships with surrounding entities' resources
- Connect to and build upon existing infrastructure at Walden's Ridge
- Pedestrian connectivity opportunities with existing and new infrastructure
- Bridge gaps between departments such as Parks and Recreation and City Planning
- Bike Boulevard Project - CMAQ Grant ~$1,000,000 connection from White Oak Park to the Norma Cagle Fields
- Field Cemetery and Red Bank Cemetery
- Grant funding for new opportunities
- Pedestrian infrastructure for people to walk and bike
- Climbing
- Godsey Ridge
- Mountain Creek Greenway and other regional trails
- On Ironman training super highway route
- Look into adult recreation
- ADA implementation at playgrounds and parks (e.g. poured in place)
- Big win projects, short-term projects that are easy to implement in a short amount of time
- Undeveloped City owned property
- Partnership and outreach with surrounding entity departments
- Chattanooga pursuing for a National Park City
- City Parks and Recreation Department branding
- Programming for White Oak Park at night due to dark sky status
- Surrounding State Parks
- Add historical Civil War informational markers
- Strong art community

# Opportunities (Cont.)

- Connection to neighborhood associations
- Incentivization of programs and amenities
- Fee structure - more money through revenues and opportunities for lower costs for residents
- Partnership with hospital
- Partnership with Red Bank UMC food pantry
- Dedicated Senior Center
- Programming of flat spots at White Oak Park
- Locate original plans for White Oak Park
- Addition of native pollinators and plant areas
- Bird watching programing and amenities
- Community gardens
- TN American Water property
- Utility easements for multimodal connectivity
- Leagues and tournaments (e.g., pickleball, softball, kickball, corn hole)
- Flush out a thriving Parks and Recreation Department
- Co-Department of Health program - job placement for seniors in high school
- More programmed events at the parks
- Navigating community special interests
- Abundance of large White Oak trees
- Trust for Public Land's 10-Minute Walk Plan
- North Shore and Mountain Creek Studies
- Boxing Building (or other location) as possible office location for expanding Parks, Trails, and Recreation Division

## Threats

- Off-leashed dogs in parks
- Stringer's Branch
- Lack of risk management procedures such as no defined sign-up sheet for volunteers or non-city incident reports
- NIMBY-ism
- If prioritization of wants and plan does not take place, it will become a threat
- Inconsistency when commission priorities change with each new election
- Land conversion (LWCF)
- Lack of transparency and poor communication will lose the trust of the community
- User safety and potential injuries
- Lack of safety infrastructure
- Vandalism
- Loss of affordability
- Increased usage
- Higher cost of ownership
- Loss of institutional knowledge due to lack of digital/written record keeping
- Invasive species
- Contracts have been left unreviewed with civic groups over time
- Most used playground is made out of wood
- Staff burnout

Photo by Brooke Bragger

# Benchmark Analysis

Section 4

## NRPA Benchmark Approach

The National Recreation and Park Association (NRPA) collects data and performance measures from agencies and park departments across the United States. This benchmarking analysis section uses the 2023 NRPA Performance review data, the most recent figures available. The information provided to the NRPA is self-reported, and thus may have some variations and discrepancies due to tracking methods. Annual tourist stays are not factored into the NRPA data and should be considered when evaluating overall park use.

To create a useful comparison for Red Bank's Parks and Recreation Department, five primary metrics were used to identify relevant NRPA data for the benchmarking analysis:

- Acres of parkland per 1,000 residents
- Outdoor park and recreation facilities – population per facility
- Full-time equivalent employees (FTEs) per 10,000 residents
- Key responsibilities of park and recreation agencies
- Annual operating expenditures per capita

The 2022 population estimate from the U.S. Census Bureau reported Red Bank had a population of 11,959 residents. As a result, this benchmarking section compares Red Bank to other jurisdictions with populations less than 20,000 residents.

Photo by Brooke Bragger

## Acres of Parkland per 1,000 Residents

This metric analyzes the 2022 population of Red Bank and the most recent park acreage quantity against similarly sized communities. Red Bank currently has 60.88 acres of parkland (see Appendix) and a 2022 population count of 11,959 residents. This equates to an overall ratio of 5.1 acres of parkland per 1,000 residents, which means Red Bank is below the lower quartile both nationally for cities of all sizes and similar sized communities.

This is an overall number and does not reflect the dispersion of parkland throughout Red Bank as there are areas that have a high volume of parkland and other areas that are lacking accessible parkland. The map of existing facilities in the facility inventory and analysis section provides an overall map of Red Bank's parks and recreation facilities to note areas of the City with lower levels of service.

It is important to note that surrounding the city, there are multiple other similar providers and agencies who also offer parks and recreational opportunities not reflected in this study, but are displayed in the map in the programming assessment section.

| | National | Less than 20,000 Residents |
|---|---|---|
| **Upper Quartile** | 18.4 | 21.1 |
| **Median** | 10.8 | 13 |
| **Lower Quartile** | 5.3 | 6 |
| **Red Bank** | 5.1 | |

## Outdoor Park and Recreation Facilities – Population per Facility

This benchmark analysis measures the number of residents served by each outdoor facility offered in Red Bank and compares Red Bank's numbers to similar sized communities as well as the national averages. This metric is calculated by dividing the total population by number of facilities. Red Bank provides a competitive number of pickleball courts as similar sized communities and a comparable number of tennis courts, playgrounds, dog parks, swimming pools, and softball and baseball fields as the national average. Red Bank currently lacks soccer fields, a skate park, football fields, multi-use courts, multi-purpose fields, and disc golf options. Chattanooga, Soddy Daisy, East Ridge, and Hamilton County all provide at least one of the amenities within a 20-minute drive.

| | National Averages | Less than 20,000 Residents Averages | Red Bank |
|---|---|---|---|
| **Playground** | 3,759 | 2,014 | 2,990 |
| **Basketball Courts** | 7,404 | 3,792 | N/A |
| **Tennis Courts** | 5,860 | 2,805 | 3,986 |
| **Dog Park** | 43,532 | 11,100 | 11,959 |
| **Swimming Pool** | 38,635 | 9,745 | 11,959 |
| **Soccer Field - Youth** | 7,228 | 3,600 | N/A |
| **Soccer Field - Adult** | 13,692 | 6,955 | N/A |
| **Softball/Baseball Field - Youth** | 11,384 | 5,079 | 5,980 |
| **Softball/Baseball Field - Adult** | 15,345 | 5,800 | 1,993 |
| **Skate Park** | 53,144 | 10,726 | N/A |
| **Football Field** | 26,780 | 8,637 | N/A |
| **Multi-Use Courts - Basketball, Volleyball** | 17,475 | 5,093 | N/A |
| **Multi-Purpose Field** | 9,177 | 3,859 | N/A |
| **Pickleball Court** | 13,922 | 3,252 | 1,993 |
| **Disc Golf - 18-Hole Course** | 94,109 | 9,587 | N/A |

## Full-Time Equivalent Employees (FTEs) per 10,000 Residents

The next metric is the number of parks and recreation full-time equivalent employees (FTEs) per 10,000 residents. This metric is calculated by dividing the total number of FTEs by Red Bank's population, then multiplying that number by 10,000. This metric analyzes the quantity of staff to resident ratio against the national average and similar sized communities. Red Bank has 11,959 residents and one full-time parks and recreation equivalent employee and seven employees who dedicate part of their time to the Parks, Trails, and Recreation Department (counted as part-time employee in this metric). Per 10,000 residents, Red Bank has one FTE. This is lower than the lower quartile for both communities of similar size and the national averages.

It is important to note that Red Bank recently formed the Parks, Trails, and Recreation Department as a new division of the Public Works Department. The Public Works Department maintained the parks before the official Parks, Trails, and Recreation Department was formed and continues to conduct the maintenance operations at the parks.

| | National | Less than 20,000 Residents |
|---|---|---|
| **Upper Quartile** | 15.5 | 20.1 |
| **Median** | 8.9 | 11.5 |
| **Lower Quartile** | 4.8 | 6.5 |
| **Red Bank** | 1 | |

## Key Responsibilities of Park and Recreation Agencies

Although at its core, a parks and recreation department is responsible for just that, parks and recreation, it is important to understand that park and recreation professionals oversee a myriad of services and facilities in their communities beyond the "traditional" roles. Having a well-rounded understanding of what operations national and similar sized communities park and recreation departments are responsible for will help Red Bank navigate what responsibilities the newly formed Parks, Trails, and Recreation Department will cover and what additional staff is needed to fill these roles.

Currently, Red Bank is generally keeping pace with similar sized communities with the types of facilities and programs with their deficiencies being community gardens, outdoor amphitheaters, golf courses, indoor swim facilities, farmer's markets, indoor performing arts, center, indoor sports complexes, and arena/racetrack.

| | National | Less than 20,000 Residents | Red Bank Currently Covers (Y/N) |
|---|---|---|---|
| **Park Sites** | 98% | 97% | Y |
| **Indoor Facilities** | 91% | 82% | Y |
| **Jurisdiction Wide Special Events** | 80% | 72% | Y |
| **Racquet Sports Activities/Courts/Facilities** | 69% | 64% | Y |
| **Non-Park Sites** | 68% | 61% | Y |
| **Outdoor Swim Facilities/Water Parks** | 66% | 48% | Y |
| **Tournament/Event Quality Outdoor Sports Complexes** | 57% | 39% | N |
| **Community Gardens** | 47% | 33% | N |
| **Tourism Attractions** | 38% | 29% | Y |
| **Outdoor Amphitheater** | 37% | 20% | N |
| **Golf Courses** | 35% | 13% | N |
| **Indoor Swim Facilities/Water Parks** | 31% | 13% | N |

| | | | |
|---|---|---|---|
| **Farmer's Markets** | 22% | 19% | N |
| **Indoor Performing Arts Center** | 20% | 11% | N |
| **Tournament/Event Quality Indoor Sports Complexes** | 20% | 12% | N |
| **Professional or College Type Stadium/ Arena/Racetrack** | 10% | 3% | N |

## Annual Operating Expenditures per Capita

Measuring operating expenditure data by population served provides a more accurate way of understanding and comparing funding for parks and recreation. This metric is calculated by dividing Red Bank's total budget expenditure of $276,000 (all expenses accrued by the department) for the 2024 fiscal year by the total population. By this measure, Red Bank has an annual operating expense of $23.08 on a per capita (or per person) basis. Red Bank's annual operating expenditures per capita is below the lower quartile for both the national and similar sized communities' averages. As Red Bank hires more staff and invests in more land, the annual operating expenditure per capita will grow. Investing more in operating expenses will be important for Red Bank to grow its Parks, Trails, and Recreation Department and maintain the current high-quality maintenance and operations.

| | **National** | **Less than 20,000 Residents** |
|---|---|---|
| **Upper Quartile** | $172.05 | $229.61 |
| **Median** | $94.77 | $120.79 |
| **Lower Quartile** | $53.23 | $69.65 |
| **Red Bank** | $23.08 | |

## Summary

The benchmark analysis using NRPA metrics provides a peer comparison of Red Bank's Parks, Trails, and Recreation Department's performance relative to other park and recreation systems across the United States with similar sized jurisdictional populations. The benchmarking metrics highlighted in this chapter provide insight on how Red Bank compares in important areas such as quantity of parkspace, available outdoor amenities, staffing, and budget expenditures.

Red Bank is in a unique situation of being completely surrounded by Chattanooga's city limits, therefore restricting any outward growth of Red Bank's boundaries. The constrained city boundary requires Red Bank's Parks, Trails, and Recreation Department to be intentional with how, when, and what they decide involving programming, land acquisition, and park improvements.

Key takeaways from this benchmark analysis show that Red Bank is performing below average relative to peer communities, but generally has room for improvements. Areas of improvement identified in this analysis include park acreage, staff size, programs and facilities offered to the community, and budget allocated to the Parks, Trails, and Recreation Department. The City currently manages a small amount of park acreage in comparison to similar sized communities, however the City has recently purchased additional parkland to build upon their existing assets. Currently, Red Bank has a lower number of staff to help maintain their existing facilities compared to its peer communities, so it is recommended that the City focus on increasing staff size first and then provide additional amenities to the community.

An opportunity exists for the community to increase investment in its parks and recreation system, as the current department budget is significantly lower than similar sized communities. It will be important to increase budget size to hire more staff as Red Bank continues to build upon its existing assets. Additional funding could come from various sources, such as grants, user fees, impact fees on new development, or dedicated tax sources. Generating more revenue through earned income (non-tax revenue) sources should also be a goal for the Department, which will provide additional resources to invest back into the system.

Additional parkland that allows for hosting larger events and tournaments would be beneficial to Red Bank. The current facilities do not accommodate for hosting large events and tournaments that typically draw in sources of revenue. If additional parkland is purchased, the existing facilities could be reprogrammed to help fill the deficiencies in the amenities that are not currently being offered, but highly sought after to better meet the needs of Red Bank's community.

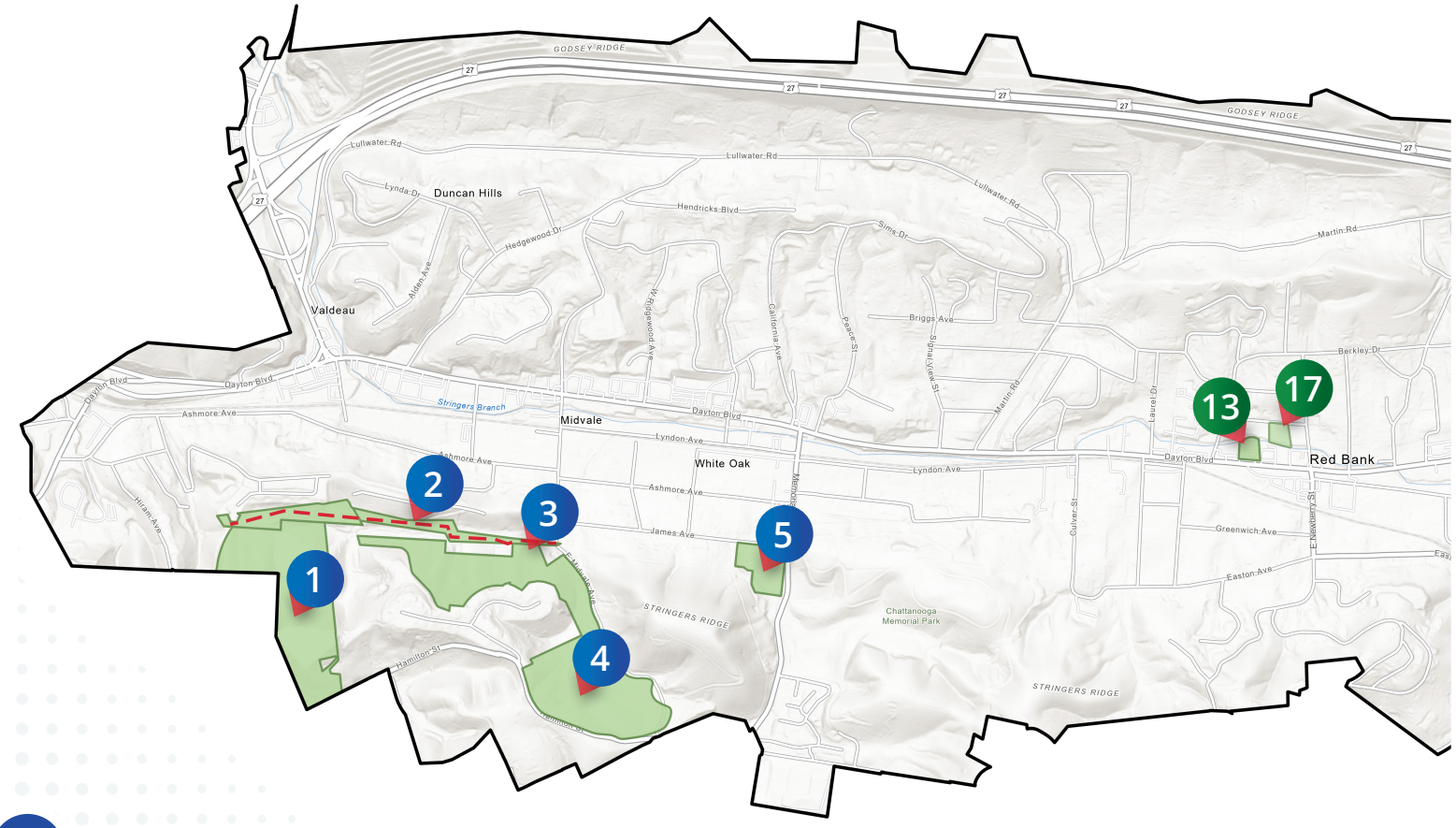
# Facility Inventory & Analysis

Section 5

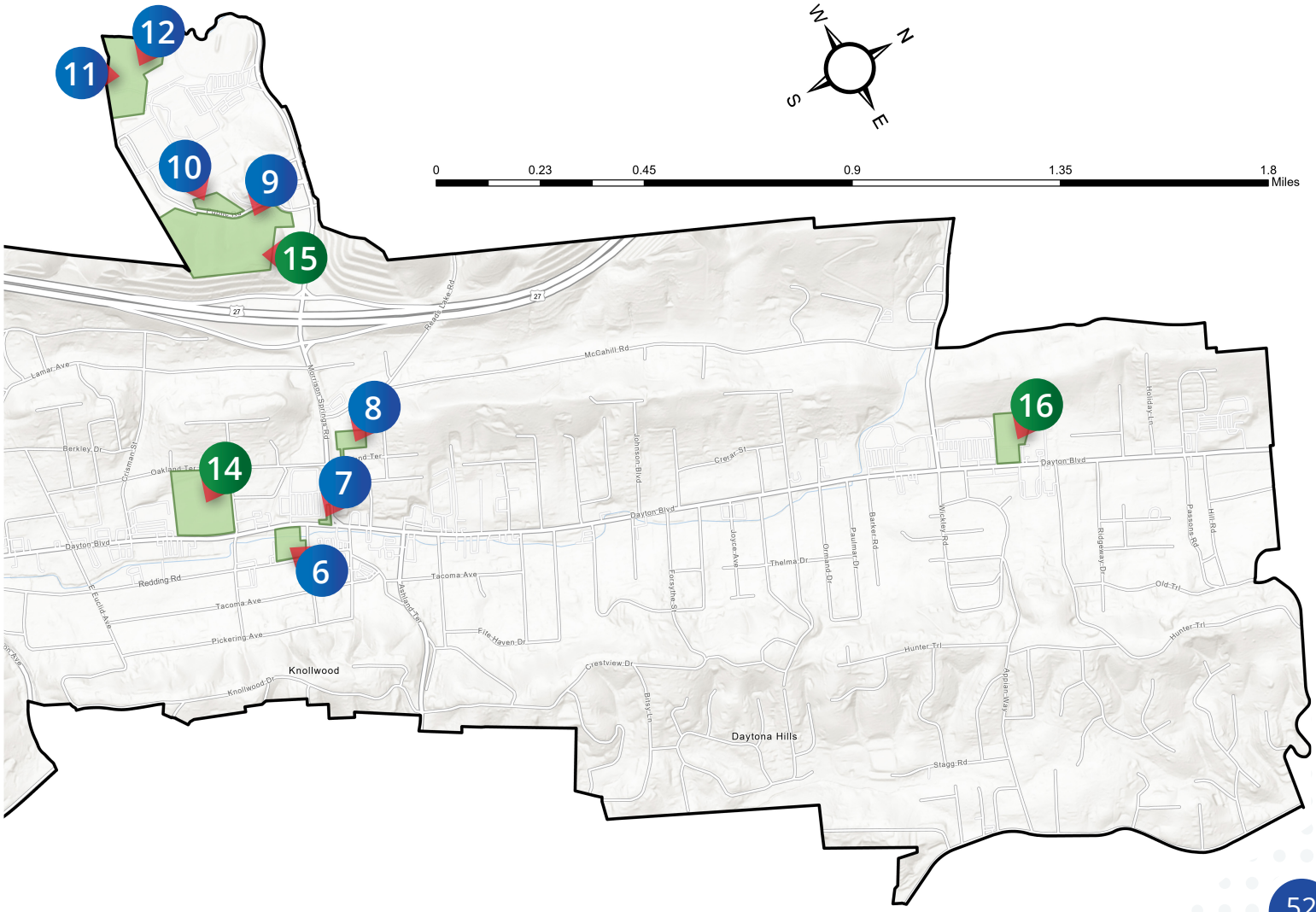
# Overview & Evaluation Components

For a better understanding of the existing assets Red Bank is providing, the consultant team and Department staff visited each park location to document existing conditions and identify amenities. Each amenity was given the rating good, fair, or poor. A "good" amenity or facility is in new or like-new condition and will not require any major foreseeable maintenance updates within the next 10 years. A "fair" amenity or facility is showing signs of normal wear and tear, but is still in usable condition at the time of the inventory and will likely need updates after five years. A "poor" amenity or facility is in a condition unsuitable for use and should be replaced or upgraded within the next five years. The consultant team performed an existing facility evaluation of the following facilities:

1. Stringer's Ridge Preserve (the portion owned by Red Bank)
   *1312 Spears Avenue*
2. White Oak Connector
   *Between 406 & 410 Midvale Avenue*
3. The Field Cemetery
   *Along White Oak Connector*



4. White Oak Park
   *798 Ben Miller Parkway*
5. Norma Cagle Ballfields
   *2226 James Avenue*
6. City of Red Bank Park (Kids Corner Park, City Pickleball, & Tennis Courts)
   *3817 Redding Road*
7. Town Center Memorial
   *3901 Dayton Boulevard*
8. Red Bank Cemetery
   *4005 Oakland Terrace*
9. Red Bank Swimming Pool
   *3620 Tom Weathers Drive*
10. Joseph Glasscock Community Center
    *3653 Tom Weathers Drive*
11. Red Bank Boxing Building
    *648 Morrison Springs Road*
12. Morrison Springs Ballfields
    *648 Morrison Springs Road*
13. Undeveloped City Owned Property
    *3113 Dayton Boulevard*
14. Undeveloped City Owned Property
    *3715 Dayton Boulevard*
15. Undeveloped City Owned Property
    *3620 Tom Weathers Drive*
16. Undeveloped City Owned Property
    *4838 Dayton Boulevard*
17. Undeveloped City Owned Property
    *3112 Elmore Avenue*



# City of Red Bank Park

## 3817 Redding Road | 2.7 Acres

Centrally located in Red Bank, the City of Red Bank park is home to the Kids Corner Park, pickleball and tennis courts, and is the site for most major City events.

| AMENITIES | CONDITION |
|---|---|
| Playground | Good |
| Restroom Building | Good |
| Tennis Courts | Poor |
| Pickleball Courts | Good |
| Greenspace with Stage | Fair |
| Gazebo at Kids Corner | Poor |
| Pedestrian Bridges | Poor |
| Stringers Branch (Portion Running Through the Park) | Poor |

## Recommendations

### *Short-Term*

- Replace gazebo at Kids Corner
- Add shade at playground
- Expand and improve sandbox area
- Add more shade at the stage area for Food Truck Friday's and other events
- Explore more inclusive playground features
- Add drinking fountains
- Add bike parking and repair stations
- Explore collaboration with Public Art Advisory Board
- Add dog waste stations

### *Long-Term*

- Explore additional parking options
- Repair the section of stream bank of Stringers Branch that runs through the park
- Get the end of life plan for the playground on the Capital Improvements Plan (CIP) (see Financial section for CIP definition)
- Enhance security monitoring system
- Add Wi-Fi for public and event use

# Joseph Glasscock Community Center

## 3653 Tom Weathers Drive | ±3,500 SF Facility & 1.80 Acre Parcel

Named after the late former mayor Joseph Glasscock, the community center and playground provide a space for Red Bank's citizens to gather for social and recreational events with a direct view of Signal Mountain.

| AMENITIES | CONDITION |
|---|---|
| Playground | Good |
| Main Event Room | Good |
| Kitchen | Good |
| Storage Room | Fair |
| Restrooms | Good |
| Small Pavilion at Playground | Good |
| Pergola | Good |

## Recommendations

### *Short-Term*

- Restripe and repair parking lot
- Add storage
- Expand playground to include more age ranges
- Update existing fridge and freezer
- Collaborate with the Public Arts Committee to incorporate art

### *Long-Term*

- Explore additional parking options
- Add poured-in-place surfacing at playground

# Morrison Springs Ballfields

## 648 Morrison Springs Road | 10.54 Acres

The Morrison Springs ballfields consist of five fields and host youth softball, youth baseball, and adult kickball. The fields are utilized by both the Red Bank Girls Youth Association and an adult recreational kickball league.

| AMENITIES | CONDITION |
|---|---|
| Softball Fields | Fair |
| Dugouts | Fair/Poor |
| Concession Stand | Fair |
| Restrooms | Poor |
| Scorer's Box | Fair |
| Batting Cages | Fair |
| Storage Building | Fair |
| Concrete Bleachers | Poor |

## Recommendations

### *Short-Term*

- Replace concrete bleachers with metal bleachers
- Update lighting to LED lighting
- Fix water spigot and add water fountain
- Mitigate Mountain Creek erosion impact
- Add walking paths

### *Long-Term*

- Update facilities to meet ADA standards
- Add concrete sidewalks
- Repair scorers box
- Update concession stand and restroom building
- Upgrade fields and facilities for highest and best use

# Norma Cagle Ballfields

## 2226 James Avenue | 4.76 Acres

The Norma Cagle Fields consist of three fields and host youth softball, youth baseball, and adult kickball. The Red Bank Girls Youth Association run the fields and concession stand, hosting league and tournament games.

| AMENITIES | CONDITION |
|---|---|
| Softball Fields | Fair |
| Concessions Stand | Fair |
| Restroom Building | Fair |
| Storage Shed | Fair |
| Storage Building and Old Referees Building | Poor |
| Batting Cage | Fair |
| Water Fountain | Good |
| Scorer's Stand | Fair/Poor |
| Dugouts | Fair |
| Former Basketball Court | Poor |

## Recommendations

### *Short-Term*

- Update all facilities to meet ADA standards
- Explore additional parking options

### *Long-Term*

- Conduct a feasibility study for highest and best use to support public feedback on recreational desires

# Red Bank Boxing Building

## 648 Morrison Springs Road | 0.14 Acres

The Red Bank Boxing Building is home to the Red Bank Boxing Club, established in 1949. The building was built around 2005 and acquired through a land donation. The building is located behind the middle and high schools and adjacent to the Red Bank ballfields.

| AMENITIES | CONDITION |
|---|---|
| Metal Building | Fair |
| Boxing Ring | Good |
| Training Equipment | Ranges from Poor to Good |
| Concession Stand | Poor |
| Locker Room | Poor |
| Storage Room | Poor |
| Office | Poor |

## Recommendations

### *Short-Term*

- Rip up carpet and seal concrete flooring

### *Long-Term*

- Update facility
- Conduct a facility usage study

# Red Bank Cemetery

## 4005 Oakland Terrace | 1.53 Acres

Around since the 1800's, this cemetery is located off of Morrison Springs Road at Oakland Terrace on the West side of the road. The common drive is between two residences, with the cemetery extending behind them, enclosed by a chain link fence.

| AMENITIES | CONDITION |
|---|---|
| Cemetery | Fair |

## Recommendations

### *Short-Term*

- Add historic signage
- Add wayfinding signage to site
- Add entrance signage
- Add new fence and gate
- Add benches

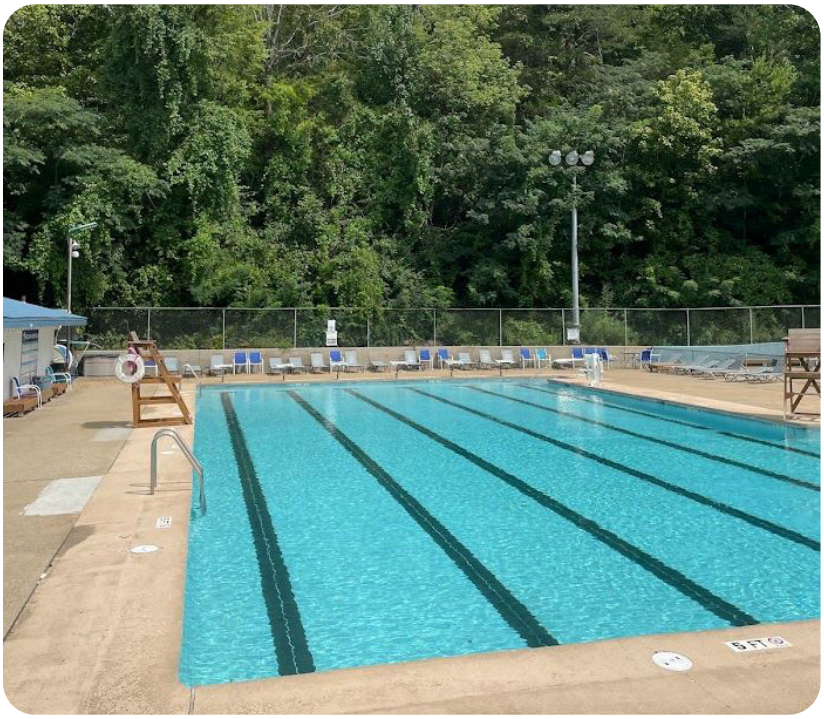
### *Long-Term*

- Explore additional parking options
- Create walking path to cemetery
- Continue to collaborate with the Cemetery Advisory Board

# Red Bank Swimming Pool

## 3620 Tom Weathers Drive | 0.9 Acres

Built in 1962, the pool celebrated its 50th anniversary in 2012. The Red Bank Swimming Pool is the home for the Red Bank Gators Swim Club. The swim club in conjunction with the Pool Advisory Committee are in charge of running the pool during the summer. The pool has reached its life expectancy and is in need of revitalization.



| AMENITIES | CONDITION |
|---|---|
| Swimming Pool | Poor |
| Baby Pool | Poor |
| Parking Lot | Fair |
| Covered Wooden Pavilion | Good |
| Concession Stand | Poor |
| Storage Room | Poor |
| Office | Fair |
| Restrooms and Showers | Poor |
| Diving Boards | Fair |
| Outdoor storage | Poor |
| Pumphouse | Poor |

## Recommendations

### *Short-Term*

- Conduct a feasibility study for pool renovations that better serve the community with current aquatic trends and to determine if the topography supports rebuilding new facility in the same location or find a new location
- Expand hours of public swim and add adult swim hours

### *Long-Term*

- Maintain a public pool presence

# Stringer's Ridge Preserve (Portion Managed by Red Bank)

## 1312 Spears Ave | 28.88 Acres

Red Bank owns approximately 28.88 acres of the total 92 acres that make up the entirety of Stringer's Ridge Park. Stringer's Ridge Park bridges Chattanooga and Red Bank, providing pedestrian access to both cities.

| AMENITIES | CONDITION |
|---|---|
| Forested Greenspace | Good |
| Nature Trails | Good |

## Recommendations

### *Short-Term*

- Create a cohesive trail and tree maintenance plan through a partnership with a qualified group
- Create cohesive trail and wayfinding signage throughout park and along trails
- Create a long-term trail maintenance plan that includes invasive species management plan

### *Long-Term*

- Enhance connection between Red Bank and Stringer's Ridge Preserve

# The Field Cemetery

## Along White Oak Connector | 0.29 Acres

Located off of White Oak Connector, this cemetery was once a potter's field that was abandoned in the early 1900's. Efforts by the City to give the buried a proper resting place and correct the wrongs made here in history have been started, with the first step being assembling a Cemetery Citizens Advisory Board. This board is made up of 10 residents with the focus on maintaining and improving the cemeteries owned and protected by Red Bank.

Photo by Megan Ledbetter

| AMENITIES | CONDITION |
|---|---|
| Historic Field Cemetery | N/A |

## Recommendations

### *Short-Term*

- Create a committee to determine how to best preserve and honor the site

### *Long-Term*

- Implement master plan
- Continue to collaborate with the Cemetery Advisory Board

# Town Center Memorial

## 3901 Dayton Boulevard | 0.10 Acres

The Town Center Memorial is located on the southwest corner of the intersection of Dayton Boulevard and Morrison Springs Road. It was erected in 2007 and is dedicated to the veterans who served in the Armed Forces.

| AMENITIES | CONDITION |
|---|---|
| Iconic Town Clock | Fair |
| Memorial Statues | Good |
| Benches | Good |

## Recommendations

### *Short-Term*

- Provide updated landscape beds

### *Long-Term*

- Consider relocation of the memorial to create additional memorial structures and increase access

# White Oak Connector

## Between 406 & 410 Midvale Ave E |0.5 Miles

Officially opened in fall 2022, the White Oak Connector trail was created in partnership between the Trust for Public Land and the City of Red Bank. The trail connects Stringer's Ridge Park to White Oak Park along a previously existing service road used to access a TVA transmission line corridor.

| AMENITIES | CONDITION |
|---|---|
| .5-Mile Trail | Fair |

## Recommendations

### *Short-Term*

- Plant more native plant species
- Change name of sign over entrance to "White Oak Connector"
- Consider a power line management plan
- Add more wayfinding signage
- Add educational signage along trail
- Add dog waste stations
- Provide restrooms and water stations near the trailhead
- Add map and arrow indicating how to navigate to Stringer's Ridge
- Create a long-term invasive species management plan

### *Long-Term*

- Add plaza and seating area where gravel and dirt trail meets with seating, shade, and signage

# White Oak Park

## 798 Ben Miller Parkway | 44.15 Acres (*13 Acres Developed, 31.15 Acres Undeveloped*)

Officially opened as a park in 2003, this former landfill turned park in the southern end of Red Bank provides the community with a multitude of social and recreational activities. The defined topography of the park vertically splits the park into two tiers, an upper tier which includes the pavilions, playground, multi-purpose grass field, and open greenspace. The lower tier houses the dog park, walking track, detention ponds, and additional open greenspace. Based on limited park space and future needs, the following recommendations are potential uses to be added to White Oak Park.

| AMENITIES | CONDITION |
|---|---|
| Dog Park | Poor |
| Playground | Good |
| Restroom Building | Good |
| Large Pavilions (2) | Good |
| Small Pavilion | Poor |
| Large Open Field | Good |
| Paved Walking Path | Fair |

## Recommendations

### *Short-Term*

- Add shade at dog park and playground
- Add entrance signage to White Oak Park
- Improve wayfinding signage to park
- Add educational signage throughout park
- Add storybook programming around walking track
- Add more seating at dog park
- Replace benches at dog park
- Remove the gates
- Enhance security monitoring system
- Add Wi-Fi for public or event use
- Add drinking fountains
- Add bike parking and repair stations
- Explore collaboration with Public Art Advisory Board
- Add dog waste stations

### *Long-Term*

- Develop a strategic plan that determines the highest and best use of the space that includes a needs assessment study and is in harmony with the Public Works facility
- Explore additional parking options
- Cut official trails to connect park to the Norma Cagle Ballfields
- Make current walking path into full loop
- Add shade throughout park
- Add playground structure for older kids
- Add more play features and water features at dog park
- Update picnic pavilion outside of dog park
- Program detention ponds
- Add trail around detention ponds
- Reroute entrance to paved trail to avoid crossing the dog park entrance
- Add trails to wooded areas
- Reseed and improve grade of upper terrace
- Provide restrooms and water stations near southern end of park for Dog Park and White Oak Connector trailhead

# Undeveloped City Owned Property

## 3113 Dayton Boulevard | 1.1 Acres

The open greenspace lot between City Hall and the Police Department is currently unprogrammed.

| AMENITIES | CONDITION |
|---|---|
| Open Greenspace | Fair |

## Recommendations

### *Short-Term*

- Create master plan

### *Long-Term*

- Evaluate site for the highest and best use

# Undeveloped City Owned Property

## 3715 Dayton Boulevard | 11.97 Acres

Previously occupied by the Red Bank High School and then the Middle School, this site contains both open greenspace and forested greenspace.

| AMENITIES | CONDITION |
|---|---|
| Large Open Lawn Space | Good |
| Forested Green Space | Good |
| Old Stone Stairs | Poor |

## Recommendations

### *Short-Term*

- N/A

### *Long-Term*

- Evaluate site for the highest and best use

# Undeveloped City Owned Property

## 3620 Tom Weathers Drive | 18.1 Acres

The ridge above the swimming pool has potential for nature and hiking trails and comprised of three main knolls that connect to a utility corridor. The land is currently undeveloped, but the City would like to start construction on new trails in partnership with the Trust for Public Land.

| AMENITIES | CONDITION |
|---|---|
| Forested Greenspace | Good |

## Recommendations

### *Short-Term*

- Cut trails along ridge to program the space
- Add wayfinding signage and trail entrance signage
- Expand parking at the Community Center to provide trailhead parking

### *Long-Term*

- Create a trail maintenance plan
- Evaluate site for the highest and best use

# Undeveloped City Owned Property

## 4838 Dayton Boulevard | 4.5 Acres

Purchased by the City in 2023, this property consists of forested, topography rich greenspace that the City may potentially develop into a public park.

| AMENITIES | CONDITION |
|---|---|
| Forested Greenspace | Good |

## Recommendations

### *Short-Term*

- Develop master plan for site

### *Long-Term*

- Evaluate site for the highest and best use

# Undeveloped City Owned Property

## 3112 Elmore Ave | 0.84 Acres

The empty lot behind the police station is currently being used as overflow parking.

| AMENITIES | CONDITION |
|---|---|
| Greenspace | Good |
| Gravel Parking Lot | Poor |

## Recommendations

### *Short-Term*

- N/A

### *Long-Term*

- Evaluate site for the highest and best use

Photo provided by City of Red Bank

# Program Assessment

Section 6

## Approach

Programs offered through a parks and recreation department are generally defined as resources and services provided for purposes of leisure, entertainment, and recreational pursuits. Examples include recreation activity programs, athletic leagues, special events, arts programs, and environmental education programs. Oftentimes communities produce a significant portion of operating revenues generated from fees and charges associated with these programs, in addition to significant indirect revenues to local and regional economies from sports tournaments and special events such as arts, music, and holiday festivals. Parks and recreation programs also provide social, physical, and environmental benefits for residents.

Due to Red Bank's unique geographic position as a land locked city and the Parks, Trails, and Recreation Department's infancy as an official department in Red Bank, it was important to begin with a clear understanding of what services were already being provided by surrounding entities and local groups to prevent any duplication of services in the recommendations. To do this, the consulting team mapped out parks and recreation facilities within a 20-minute drive from Red Bank and compared what needs were being outlined by residents in the public survey results. For this analysis, we evaluated the target audience, lifecycle, gap analysis, and duplication of service analysis as outlined in the text below.

Photo by Brooke Bragger

## Athletic Leagues

While the City of Red Bank does not directly provide any athletic leagues, there are numerous local organizations that the City partners with to provide this service. Having the local leagues and organizations facilitate the majority of the athletic leagues limits the amount of effort required by the City, which reduces the number of staffing and costs. The City provides the athletic fields and addresses maintenance issues, while the leagues run the rest of the operations. Currently, the City does not charge the local leagues and organizations money to operate out of the City's facilities. The community identified indoor athletics, running, and soccer as highly desired athletic programming which Red Bank currently does not offer. It is recommended that the City either conduct a feasibility study or engage partnerships with surrounding municipalities to provide the aforementioned athletic programming to meet the needs of the community.

| Athletic Leagues | | |
|---|---|---|
| **Program/Event** | **Target Age** | **Growing/Mature/ Declining** |
| Adult Kickball | Adult (18-49) | Growing |
| Adult Softball | Adult (18-49) | Growing |
| Boxing | Youth-Teens (5-17) | Growing |
| Swimming | Youth-Teens (5-17) | Mature |
| Youth Baseball and Softball | Youth-Teens (5-17) | Growing |
| *Youth Basketball | Youth (5-12) | Growing |
| *Youth Cheer | Youth (5-12) | Growing |
| *Youth Football | Youth (5-12) | Growing |
| Youth Softball | Youth-Teens (5-17) | Growing |

* Not affiliated with the City

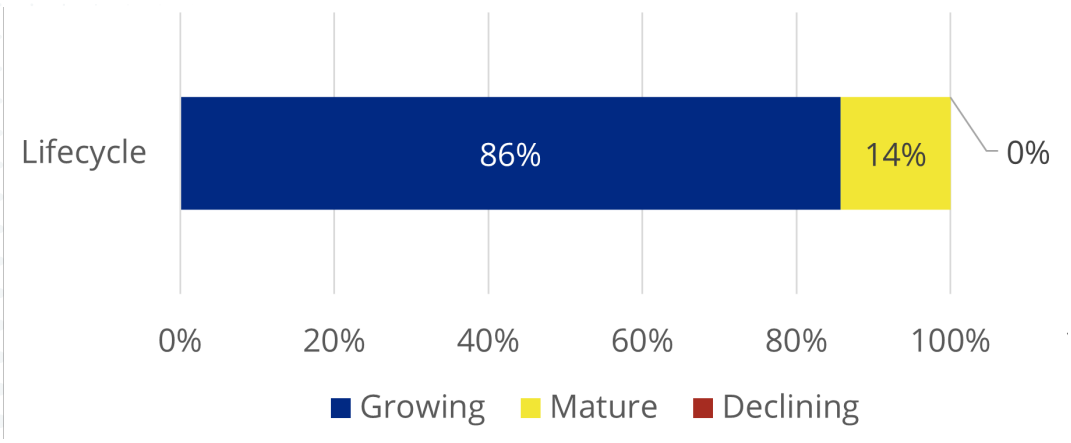
## Program & Events

The table below shows a combination of programs and events offered by the City of Red Bank in addition to the Red Bank Active Older Adults program. The City of Red Bank currently offers three different programs and annual events to their residents throughout the year. The Red Bank Active Older Adults program provides a wide variety of recreational, educational, and social programs and events to the seniors in the Red Bank community.

| Programs & Events | | |
|---|---|---|
| **Program/Event** | **Target Age** | **Growing/Mature/ Declining** |
| Red Bank Christmas Festival & Parade | All Ages | Mature |
| Red Bank Jubilee | All Ages | Mature |
| Food Truck Fridays | All Ages | Growing |
| Arts & Crafts | Senior (50+) | Growing |
| Exercise Classes | Senior (50+) | Growing |

## Lifecycle Analysis

All programs offered in Red Bank, including by the City as well as local organizations, were evaluated based on their current participation trends. The lifecycle analysis is positive, showing a majority of programs that are growing (86%) or mature (14%) and none that are declining. The high number of growing and mature programs is an indicator that the City has provided successful programs to the community. Based on the public survey results, residents would like the Department to expand the program offerings. The City and its partners need to be cognizant of this and provide sufficient staff to support these growing programs into maturity. The graphic below show the relationship between current programs and their lifecycle stages.



## Age Segment Distribution

An age segment distribution analysis was conducted based on the target audience for each existing program. This analysis helps to better understand how the current program system serves each age group in the community. Red Bank is successfully providing programs to youth ages and has built a strong foundation of programs for adults and seniors. There is a lack of programming designed specifically for toddlers. Department staff should review age segment distribution annually to better understand level of service for each age group and check for a good balance of programs.

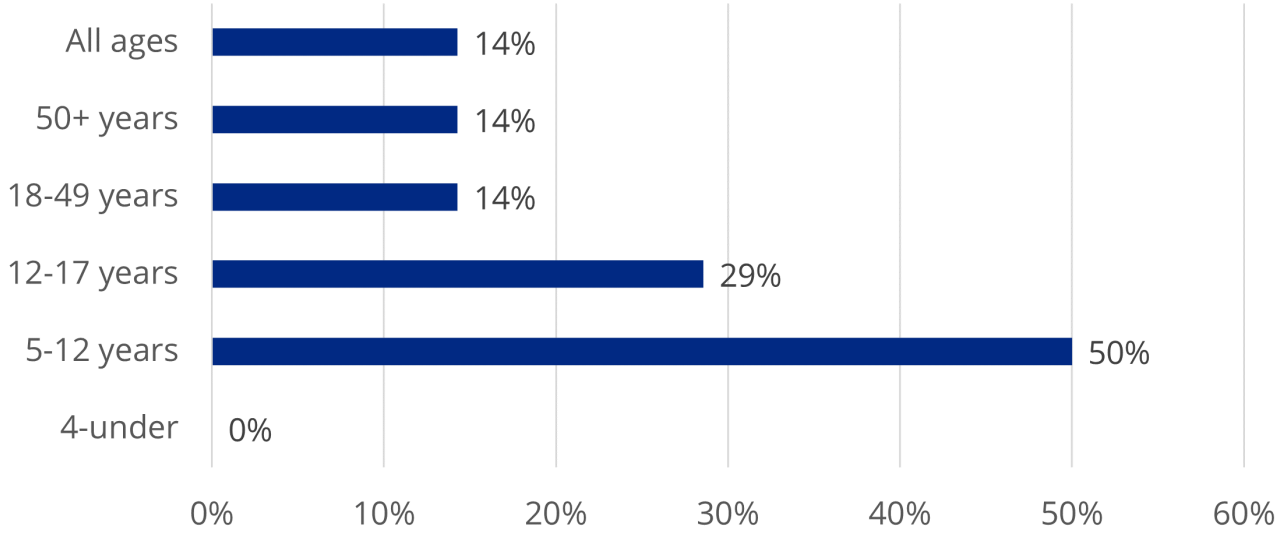


Photo by Brooke Bragger

## Program Gap Analysis

This program gap analysis compares what parks and recreational programs and events are being offered in Red Bank to the desired programs and events noted by the community in the public survey responses (see pages 21, 23, 33-37 in the Community Engagement section). This analysis is meant to help identify any gaps or shortcomings in recreational programs and events that the Department can work to best meet the needs of the community. Due to the Department's infancy in addition to the projected population growth, it is recommend that the Department start by conducting annual feasibility studies to determine if the programs being offered are meeting the communities needs.

Programs currently being offered by Red Bank are organized into two categories:

- Programs to expand upon
- Programs providing adequate service

Programs providing adequate service are defined in this master plan as programs that are meeting the current community's needs and demands.

| Programs Currently Offered in Red Bank | | |
|---|---|---|
| Programs to Expand Upon | Identified as a need in the public survey (20% or more) | *Basketball |
| Programs Providing Adequate Service | Not identified as a need in the public survey (20% or less) | Baseball<br>Boxing<br>*Cheer<br>*Flag Football<br>*Football<br>Softball |

* Not affiliated with the City

Photo by Brooke Bragger

Programs not currently being offered by Red Bank, but were noted in public survey results by the community are organized into high and low priority, with high priority being programs identified as highly desired by the community based on public survey results. As the demands of Red Bank's community changes the prioritization of the programs in this list are subject to change as well.

| Programs Not Currently Offered by Red Bank | | |
|---|---|---|
| High Priority | Identified as a need in the public survey (20% or more) | Biking<br>Running<br>Soccer<br>Disc Golf<br>Weight Lifting<br>Indoor Athletics/Programming<br>Basketball |
| Low Priority | Not identified as a high priority need in the public survey (20% or less) | Concerts<br>Skateboarding<br>Track<br>Volleyball<br>Kickball<br>Adaptive (Special Needs) Facilities<br>Whiffle Ball<br>Lacrosse<br>Pickleball<br>Gardening<br>Art<br>Yoga<br>Movie Nights<br>Crafts<br>Farmers Markets<br>Hiking<br>Tennis<br>Aquatics<br>Golf<br>Target programming for children<br>Walking<br>Tai Chi |

## Duplication of Services Analysis

Interlocal partnership is an effective way for Red Bank to respond to the community's recreational needs. Partnerships and cooperative programs with surrounding cities and local organizations can eliminate unnecessary duplication of services, reduce overall park and recreation costs, reduce the overall workload on the Department, and more effectively meet the needs of the community.

This analysis compared Red Bank's current athletic programming and offerings against athletic and programming gaps identified in both the public survey and this programming analysis section. The current listings and identified gaps were then compared to a list of programs offered by surrounding jurisdictions accessible within a 20-minute drive from Red Bank which include Soddy-Daisy, Chattanooga, East Ridge, and the Hamilton County parks and recreation facilities that fall within the 20-minute driving radius.

The tables below and on the following page list all current athletic and special event programming offered by Red Bank and cities within a 20-minute drive from Red Bank. Both city and non-city athletic programs are listed for all entities.

| Athletic Programs Duplication of Services Chart | | | | | |
|---|---|---|---|---|---|
| **Program Offering** | **Red Bank** | **Soddy-Daisy** | **Chattanooga** | **Hamilton County** | **East Ridge** |
| Basketball | Y | Y | Y/A | | Y |
| Baseball | Y | Y | Y | Y | Y |
| Bowling | | | A | | |
| Boxing | Y | | | | |
| Cheer | Y | Y | Y | | Y |
| Cornhole | | | A | | |
| Dodgeball | | | | | |
| Flag Football | Y | | Y/A | | Y |
| Football | A | Y | Y | Y | |
| Kickball | | | A | | |
| Pickleball | Y/A | | A | | |
| Soccer (Outdoor) | | | Y/A | | Y |
| Soccer (Indoor) | | | Y/A | | Y/A |
| Softball | Y | Y/A | Y/A | Y | Y/A |
| Swimming | Y | | Y | | |
| Tennis | | | Y/A | | |
| Volleyball (Indoor) | | | Y/A | | |
| Volleyball (Sand) | | | A | | |

Y = youth only, A = adult only, Y/A = both youth and adult leagues

| Recreational Programs and Events Duplication of Services Chart | | | | | |
|---|---|---|---|---|---|
| **Programs/Events** | **Red Bank** | **Soddy-Daisy** | **Chattanooga** | **Hamilton County** | **East Ridge** |
| Themed Special Events | X | X | X | X | X |
| Social Recreational events | X | | X | X | X |
| Fitness, Health, and Wellness Classes | | | X | | X |
| Aquatics | | | X | | |
| Arts/Crafts Classes | | | X | | |
| Martial Arts | | | X | | |
| Running/Cycling Races | X | | X | X | X |
| Summer Camps | | | X | X | |
| Programs for Those with Disabilities | | | X | | |
| Programs Specifically for Seniors | X | X | X | X | X |
| Programs Specifically for Teens | | | X | | |

X = offered by municipality

Photo provided by City of Red Bank

## Summary

The purpose of this program analysis is to identify the strengths and shortfalls of the types of recreational, social, and educational programs and events offered by the department. It is important to measure the current status of existing programs against the results from the public survey.

Based on the lifecycle analysis showing most of the programs and athletic leagues are growing or mature, it is recommended that the Department continue providing the current programming. In addition, the Department should collect annual reviews to determine if any programs are declining and consider removing and replacing them with a new program that better meets the needs of the community at the time.

The gap analysis identified programs that were important to the community and helps provide a temperature check on the level of service the current programs are providing and where the City should focus efforts on new programming that would best serve the community. Based on the results, it is recommended that the City provide a wider variety of outdoor recreational activities, starting with biking, climbing, disc golf, skateboarding, soccer, and basketball. In addition to expanding the outdoor recreational activities, nearly a quarter of the survey respondents identified indoor athletics and programming as a high priority for the community.

The age segment distribution identified a lack of programming and events tailored specifically for toddlers (4-under). While the graphs show that overall the City is providing adequate service to youth-senior, it should be noted that there are only small range of programs being offered to those age ranges, therefore it is recommended that the City broaden its program offerings and offer programming to a wider age range. Additionally, the City should conduct an annual review to identify any potential gaps as the communities' needs change over time.

The duplication of services analysis provided a snapshot of what programs are being offered by municipalities within a 20-minute drive from Red Bank. This analysis helps the Department discover potential partnership opportunities by determining which surrounding municipalities have the facilities and capacity for athletic programming that Red Bank does not currently offer. Additionally, it helps the City to determine on which athletic programs are being under served in both Red Bank and the surrounding communities. Of the programs not offered by Red Bank, soccer was identified as being high priority for the community. It is recommended that the City form partnerships with Chattanooga or East Ridge for soccer programming.

The program assessment metrics used in this Master Plan coupled with community input help the City prioritize which programs to focus their efforts on within the short- and long-term ranges. It is recommended that the City compile an annual comprehensive inventory and analysis of the programs and events offered that includes community feedback. Additional staff, funding, and facilities will be required to meet the outlined recommendations in this section.

Photo by Brooke Bragger

Photo by Brooke Bragger

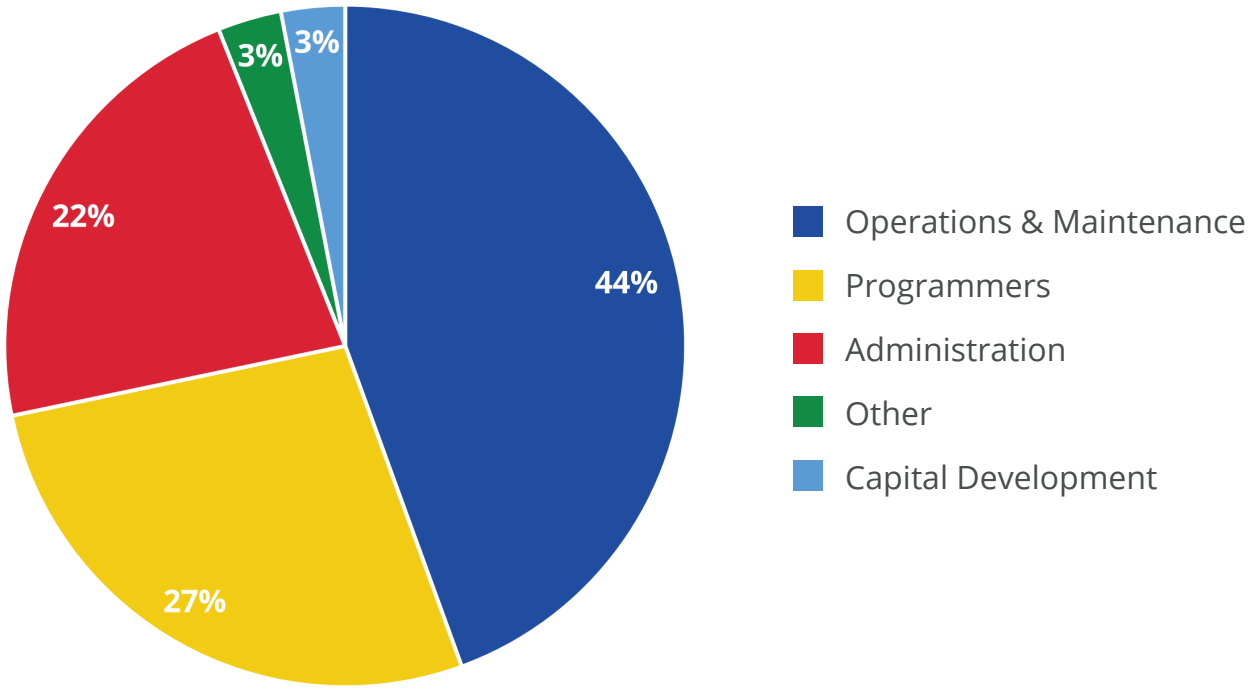
# Staffing Recommendations

Section 7

## Approach

This section analyzes staffing and maintenance operations, identifies key issues, and provides prioritized recommendations. The goal from this analysis is to identify opportunities for improved efficiencies within the Department. This assessment utilized information from staff interviews, best practices in the field of parks and recreation, and data metrics from the National Recreation and Parks Association (NRPA).

Recreation departments nationwide are tasked with a variety of responsibilities in their communities, and it is not uncommon for these professionals to take on various roles to operate effectively. The NRPA organizes these responsibilities into several key focus areas, which include operations and maintenance, programming, administration, capital development, and others as a catch all for miscellaneous responsibilities. The chart below outlines the average breakdown of staff time spent on various responsibility types for jurisdictions with a population less than 20,000.




*Source: 2023 NRPA Agency Performance Review*

## Current Staffing Operations

As a newly formed department, operations and administrative structures, standards, plans, policies, and procedures are not yet in place, as compared to communities with established parks and recreation departments. The City of Red Bank is experiencing a comprehensive update to their system, with pushes to update infrastructure and create cohesive plans across multiple departments and areas across the board. While this may present additional challenges, it also creates the opportunity to establish a system based on best practices customized to meet the needs and demands of Red Bank's growing community. This Parks and Recreation Master Plan serves as the first formal Parks and Recreation Master Plan for the City.

Red Bank's Parks, Trails, and Recreation Department is currently a newly formed department within the greater umbrella of the Public Works Department and is comprised of one full-time employee, the Parks and Recreation Manager. The table below provides a high-level summary of the Public Works Department. Currently, maintenance tasks at Red Bank's parks and recreation facilities such as tasks requiring heavy equipment, mowing, facility repairs, and trail maintenance are handled by Public Works employees. According to the NRPA's 2023 Field Report, the median park and recreation agency in communities with populations less than 20,000 has an average of 11.3 FTEs. Based on Red Bank's metrics of one FTE, the Department would need 10.3 additional FTEs to achieve the NRPA's median average.

| Public Works Department | |
|---|---|
| **Position Title** | **Number of Employees** |
| Director | 1 |
| Deputy Director | 1 |
| Office Manager | 1 |
| Building Official | 1 |
| Facilities Manager | 1 |
| Operations Supervisor | 1 |
| Planner | 1 |
| Parks, Trails, and Recreation Manager | 1 |
| Solid Waste Supervisor | 9 |
| Streets and Roads | 10 |
| Storm Water | 3 |

In addition to the full-time City staff, community volunteers also play a role in the decision-making process for the Parks, Trails, and Recreation Department. The Parks and Recreation Citizens' Advisory Board is comprised of ten community members whose roles include but are not limited to providing leadership, direction, and advise on priorities and planning in relation to Red Bank's parks, trails, and open space. The Parks and Recreation Advisory Board members represent the citizens of Red Bank and as such, serve as community ambassadors.

## Maintenance Operations & Equipment

The Parks, Trails, and Recreation Department is responsible for the operation and maintenance of eight parks comprising a total of 60.88 acres, two indoor facilities, and two cemeteries. The City has partnership agreements with three local athletic organizations to run Norma Cagle ballfields, Morrison Springs ballfields, the Red Bank swimming pool, and the Red Bank boxing building where the organizations run day-to-day operations and tournaments and the City conducts large maintenance repairs at the facilities.

Since Red Bank has a lower than average number of FTEs, it is important to analyze the utilization and efficiency of staff, in addition to revisiting existing programs and maintenance operations to determine where additional staff is necessary to keep up with population growth and increasing needs. Interviews with both City staff members and the local athletic organizations who operate out of Red Bank's parks and recreation facilities were conducted to get a greater understanding of the balance between current operations and the demands.

Based on staff interviews, it is evident that the work needed to maintain the City parks and recreation spaces is outgrowing available personnel, therefore it is recommended that the Department employ a larger staff, starting with two to three additional staff within the next year to fill maintenance roles. Recurring maintenance issues the Department faces include:

- Vandalism
- Trash collection
- Mowing/landscaping
- Storm water maintenance
- Leaf removal
- Janitorial tasks
- Signage and sign maintenance
- Opening and closing the pool (seasonal)
- Ball field lighting
- Cleaning pickleball and tennis courts
- Playground maintenance

Based on the inventory and analysis of Red Bank's existing parks and recreation facilities, a majority of the facilities were at the end of their lifespan, in fair or poor condition. Due to this, there are a number of repairs and updates need to be addressed to get the parks into fair and good condition for both public safety and ADA compliance standards. The current ratio of park updates and maintenance responsibilities outweighs the number of staff available to meet

those demands. It is recommended that the Department create a hiring plan in conjunction with a maintenance strategy and standards plan. New Parks, Trails, and Recreation Department employees will benefit from job training opportunities to efficiently navigate job related tasks.

Hiring staff specializing in trail management and trail maintenance was identified as a desire from the Department during staff interviews. In addition to looking at hiring new staff with a background in trail management, the City can seek out partnerships with established organizations and local groups such as the Trust for Public Land.

The Parks, Trails, and Recreation Department currently has to rely on borrowing both staff and equipment from Public Works for maintenance related operations. Reliance on the borrowing system currently proves to be a hindrance as the Public Works needs will take precedent over parks needs, causing parks maintenance to be put on hold. As the needs change in a growing population and maintenance demands on the Department increase, it will be important for the City to purchase equipment dedicated to the Parks, Trails, and Recreation Department's use. In addition to the need for new equipment for the Parks, Trails, and Recreation Department, the Department will also need to hire trained staff who can operate the maintenance equipment. It is recommended that the City create an inventory of necessary equipment required to meet the reoccurring maintenance demands the Department faces in addition to a five- to 10-year equipment replacement schedule.

## Technology

The complexity of the work performed by the Parks, Trails, and Recreation Department requires a digital maintenance management system. The City utilizes IWorQ, a cloud-based software designed to streamline and manage various aspects of the City's daily operations. It is a goal of the City to convert all maintenance tracking and work orders to the IWorQ system to streamline the work order process. The City plans to utilize the IWorQ system for all future assessments across multiple departments. It is recommended that the City continue to utilize IWorQ or a similar cloud-based software system that allows for a centralized location to track, measure, and report performance.

The Department is currently implementing the use of the online recreation software RecDesk to allow the community to reserve the Community Center through the City's website instead of having to call the Department. As the Department expands, it is recommended that the Department explore utilizing both RecDesk's administrative capabilities and public-facing features for the community.

It is a long-term goal of Red Bank to provide Wi-Fi access at the parks and recreation facilities. Providing Wi-Fi at Red Bank's parks and recreation facilities encourages community engagement as people can use the internet for social, recreational, and educational purposes. It also allows park users freedom to work at the parks while in an outdoor setting. Additionally, Wi-Fi in the parks allows the City to implement additional security measures at parks such as installing cameras. It is recommended that the City create a budget and implementation plan to provide Wi-Fi access at Red Bank's parks and recreation facilities.

## Summary

As a newly formed Department in a growing community, hiring, training, and cultivating a high-quality staff should be a high priority for the City. It will be important for the Department to develop a maintenance and operations plan that incorporates both existing and future needs in addition to how many and what type of staff are needed to fill those gaps. The maintenance and operations plan should focus on identifying high priority areas that will have the most immediate impact on meeting the needs of the demands of a growing community. Based on interviews with the current staff, high priority positions include two to three new maintenance positions. These positions will need to be created and filled within the next few years to meet the existing daily operational needs of the Department.

It is recommended that the Department conduct annual assessments of its current maintenance operations plan to ensure the changing maintenance and operations demands are properly being met. Annual assessments allow the Department to identify any shortcomings or imbalances in the ratio between staffing and maintenance that could potentially lead to staff burnout. Providing necessary updated equipment items and increase in training opportunities for new staff are additional steps the Department can take to help maintain the high standard of Red Bank's facilities.

Tri-State
Bluebird Society

# Financial Analysis & Revenue Strategies

Section 8

# Financial Analysis

The Department's current budget process begins with identifying park-specific needs, Commission goals, and general maintenance items that will be included in the park budget. The park budget is presented to the Commission each May and historically, the elected officials representing Red Bank have been generally supportive of park funding. The majority of funding for parks and recreation has been focused on everyday maintenance and upgrades to aging park infrastructure. The City has not added additional park space in decades, however the population and subsequent parkland utilization has continued to grow. Funding for Red Bank's parks and recreation system is funded through property taxes under the general fund and grant funding opportunities. Additionally, due to the City's current "non-compliant" status with National Park System (NPS), the City must submit a new application and conversion package to the NPS before they can be eligible for future grant funding. For more information about the Land Conversion, see "Conversion Quick Sheet" located in the Appendix.

The City and Department have maintained the philosophy that the City's parks and recreation system should be equally accessible and available to all members of the community regardless of income level and want any future pricing policy to reflect this as well. Red Bank's growing population has increased the demand for new facilities and more diversity in the programs and facilities. The increased demand coupled with pricing increases of construction, the uncertainty of available Capital Improvements Plan (CIP) funds set aside for parks, and maintaining the philosophy of equitable park access increases the demand for alternative sources of funding and revenue strategies. A capital improvement plan (CIP) is a planning and fiscal management tool used to coordinate the location, timing and financing of capital improvements over a multi-year period — usually 2-5 years. Capital improvements refer to major, non-recurring physical expenditures such as roadways, land, buildings, public infrastructure and equipment. The CIP includes a description of proposed capital improvement projects ranked by priority, a year-by-year schedule of expected project funding, and an estimate of project costs and financing sources. The CIP is a working document and should be reviewed and updated annually to reflect changing community needs, priorities, and funding opportunities. This financial analysis looks at the current budget, pricing policies, and user fees, then explores potential alternative future funding sources.

## Annual Budget

The budget for the Parks, Trails, and Recreation Department is categorized under the Public Works Department budget. The Public Works budget makes up just under 24% of the overall City budget, and the Parks, Trails, and Recreation Department's budget comprises just over 7% of the Public Works budget and 1.7% of the City's overall budget. Red Bank's 2024 Fiscal Year Public Works budget is organized by department and the Parks portion is further categorized by administrative and individual parks, providing a summary of the capital and operations budget totals, shown in the table on the following page.

| FY 2024 Budget | | | |
|---|---|---|---|
| **Category** | **Operations** | **Capital** | **Total** |
| Red Bank Community Center | $30,500 | $0 | $30,500 |
| Norma Cagle Field | $23,400 | $0 | $23,400 |
| Redding Road Facilities | $17,750 | $0 | $17,750 |
| Morrison Springs Facilities | $29,000 | $0 | $29,000 |
| Swimming Pool | $10,100 | $3,000 | $13,100 |
| White Oak Park | $45,500 | $10,000 | $55,500 |
| Town Center Park | $750 | - | $750 |
| Parks Summary | $157,000 | $13,000 | $170,000 |

## User Fees

Red Bank has deliberately taken a mindful approach to user fees to prevent financial hurdles for the community when accessing the park facilities and City events. At present, user fees serve as a tool for the Department to recover costs associated with daily maintenance and operational tasks.

The Red Bank's park facilities that are managed by local organizations are responsible for determining user and participant fees such as the Red Bank Swimming Pool. Currently, the only facility with an associated rental fee determined by the Department is the Joseph Glasscock Community Center. As the Department begins to expand the parks and recreation facilities to accommodate the increased demands of a growing population, user fees will need to be adjusted and added to existing facilities, see the table on the following page for a list of suggested user fees based on current rates charged by peer communities. Additionally, it is recommended that the City look into charging separate fees for residents and non-residents since the facilities are currently being utilized by members of the surrounding municipalities, increasing the maintenance and upkeep requirements.

To preserve the City's philosophy of providing equitable access to the parks and recreation facilities, it is recommended that the City review user fees annually in conjunction with user feedback to determine if the fees are enhancing or detracting from the Department's ability to meet the needs of the community and be able to sustain the maintenance of the facilities. The table on the following page lists the current user fees.

| Red Bank Parks, Trails, and Recreation | | |
|---|---|---|
| **Amenity** | **Fee** | **Compared to Peers** |
| **Current User Fees** | | |
| Red Bank Community Center | $140 - (four hour minimum rental)<br>$25 - for each additional hour<br>$150 - refundable deposit | Comparable |
| Red Bank Swimming Pool | **Daily Rates**<br>Free - 3-under<br>$4 - General Admission (4-60 years)<br>$3 - Senior Citizens (over 60)<br>**Season Passes**<br>$160 - Families of up to 5 family members<br>$15 for each additional person<br>$75 - Individual pass | Comparable |
| **Proposed User Fees** | | |
| Red Bank Community Center | $140 - (four hour rental)<br>$300 - full day rental<br>$25 for each additional hour<br>$150 - refundable deposit | - |
| White Oak Park Pavilion Rental | $50 - four hour rental (residents)<br>$100 - four hour rental (non-residents) | - |
| Pickleball Tournaments | $200/day | - |
| Special Use Permits (festivals, concerts, walk/run, wedding/ reception, fundraiser, rally/protest, other) | $75 - groups under 100<br>$100 - groups 101-250<br>$150 - groups 251-500<br>$300 - groups of 500+ | - |

## Program Fees

Athletic programs are currently operated by local organizations and therefore the registration fees are set by the individual organizations, as there are no City athletic leagues. The Department does however provide special events and senior citizen programming. At present, all special events provided by the Department are free. The table on the following page shows each organization, the fees charged, and whether the fees are above average, comparable with peer agencies, or below average.

| Athletic Program Fee Rates Offered by Local Programs | | | |
|---|---|---|---|
| **Organization** | **Program** | **Fee** | **Compared to Peers** |
| Chattanooga Sports League | Adult Kickball | $720/team | Comparable |
| | Adult Softball | $780/team | Comparable |
| Red Bank Boxing Club | Boxing | Free | Below Average |
| Red Bank Gators | Swimming | $160/individual<br>$90/second swimmer<br>$80/third swimmer<br>$70/fourth swimmer<br>$450/families of 5 or more swimmers | Comparable |
| Red Bank Youth Football and Cheer* | Youth Cheer | $150/participant | Below Average |
| | Youth Football | $100/individual<br>$200/family | Comparable |
| Red Bank Youth Association | Youth Softball | League $90/player<br>Travel $550/ season<br>($1,000 annually) | Comparable |
| | Youth Baseball | | Comparable |

* Program not affiliated with City

# Revenue Generation

Any revenue generated by the Parks, Trails, and Recreation Department and funds from the CIP budget fund's daily operational costs, park maintenance and upkeep, and administrative expenditures is not enough to fund new initiatives or purchase new facilities. Any revenue generated by the local organizations that utilize the parks goes back to the individual organizations to help fund their programs.

## Program Fees

As the City continues to grow and demands increase, reliance on CIP funding alone will not be enough to sustain the need for increased facilities, maintenance, programming, and staffing. It will be important for the Department to develop and utilize a mix of revenue-building strategies.

The budget allotment per user will be an important metric to help the Department visualize how many users are utilizing the parks versus how much budget is being allotted for the maintenance and daily operations of the parks and recreation system. Based on the public survey results, many users from the surrounding municipalities also utilize Red Bank's facilities

and should be included in the Department's budget planning. Currently, Red Bank's Parks, Trails, and Recreation Department's budget in the City's overall budget is $170,000 and the population in 2022 was 11,959 residents, meaning slightly over $14 per resident is being budgeted in the CIP for the upkeep of Red Bank's parks and recreation system. According to the National Recreation and Park Association, Red Bank would need to increase their budget by $80.77 per person to meet the median quartile of similar-sized communities.

By investing in this Parks and Recreation Master Plan, in addition to the formation of the Parks, Trails, and Recreation Department, the City has shown the community that they are ready to start investing in Red Bank's parks and recreation system. Investment in parks and facility expansion will be necessary to improve the level of service provided by Red Bank's Parks, Trails, and Recreation Department. Additionally, both new projects and upgrades to existing facilities become more feasible when multiple funding sources are considered. The following revenue generation strategies are not listed in any particular order of priority or necessity for implementation as they are meant to serve as a reference for the Department for potential funding strategies.

## Bond Funding and Tax Strategies

Bond funding has been used by Red Bank to finance investments in park and recreational infrastructure and has been a particularly cost-effective strategy for capital improvements. The capital improvements for parks and recreation in Red Bank are partially repaid from the dedicated funding source, the park tax, but can also be funded through other avenues such as a tax for short-term vacation rentals or a portion of local property taxes. Projects utilizing bond funding can also be funded through the creation of special taxing authorities, or TIFs, which leverage the value created for adjacent properties by assessing a tax on the increase in value of those properties after the park and recreation improvements are built.

## Corporate Sponsorships

Local businesses in the community can also play a role in supporting community park facilities. These businesses are often interested in giving back to the community in the form of funding or in-kind donations (labor, materials, land) and may be interested in positive media attention generated by these partnerships. Additionally, some businesses may be willing to pay for naming rights or can open additional avenues for funding.

## Developer Contributions

Encouraging developers to donate land or easements for parks or greenways can also be a successful strategy, particularly if the new recreational infrastructure will be located near or adjacent to the new development, enhancing the value of the development. Some communities

have found this to be a successful approach for a variety of public improvements, such as trails, parks, or schools.

Due to Red Bank's restrictions that come with being landlocked by Chattanooga, parkland is a vital resource for the community. It is recommended the City consider an Open Space Ordinance that will require new developments to have a certain amount of open space based on a number of lots and units going on site to alleviate the imbalance between developed land and open parkland that can occur with rapid development and population growth. The open space in the ordinance can be defined as land on a developed site that is set aside, dedicated, designated, or reserved for active or passive recreation for the use and enjoyment of owners, occupants, and visitors.

Developer contribution requirements for new developments would be a beneficial planning tool for Red Bank to implement and ensure there will be an adequate amount of green open space to accommodate the anticipated increase in population and development in Red Bank.

## Grant Funding

There are a variety of state and federal grant programs that can be used to fund recreational infrastructure. Sometimes, pairing recreational enhancements as a component of other project types can also open additional avenues for funding. Some examples of grants may include STP (Surface Transportation Program), Land and Water Conservation Funds (LWCF), Local Parks and Recreational Fund (LPRF), or Built Environment Grants. Red Bank has shown interest in utilizing grant funding for future park improvement projects.

## Fundraising/Community Activism

A successful fundraising strategy in many communities around the country is the implementation of adopt-a-trail or adopt-a-park programs, where community groups or corporate entities can commit to donations of time or money to maintain specific pieces of park and recreation infrastructure. Other options for fundraising can include community events to raise funds, or the ability to pay for names to be included on park equipment, benches, bricks, or other items.

The National Recreation and Parks Association provides a comprehensive Park and Recreation Professionals' Guide to Fundraising. The guide will walk you through establishing a fundraising team, developing your case for support, identifying, and cultivating new donors, and pursuing innovative development strategies.

# Implementation Plan

Section 9

## Approach

This 10-year systemwide parks and recreation master plan will serve as Red Bank's first formal parks and recreation master plan and will act as a living document the City can refer to when making strategic long- and short-term decisions for the parks and recreational facilities in the coming years. The purpose of this master plan is to examine Red Bank's existing assets and determine their ability to meet the community needs. Once the areas of improvement in the system are identified, the plan outlines steps for closing the gap between the current level of service and where the City should be compared to both national and local standards, in addition to planning for the growing population. The implementation plan lays out strategies to improve the City's Parks and Recreation System by organizing recommendations based on priority, scope, and potential budget impacts. These recommendations will serve as a guide to help the Department approach the implementation plan methodically and create realistic goals while also preserving Red Bank's identity and character.

Implementation of this plan will require more than recommendations and funding strategies; it will also require buy-in from the community and decision-makers. Responses from both the SWOT Assessment, stakeholder interviews, and the public survey indicated that there is a desire for more investments and expansion of Red Bank's existing parks and recreation facilities. This can be achieved through investing in a few short-term projects or "quick wins" with a 6- to 12-month implementation to build momentum for continued investment. Key stakeholders and the general public should be engaged at every step in the planning of these new facilities to ensure they reflect the needs of the public and to increase future buy-in and ownership from the greater community. Additionally, the adoption and implementation of this plan makes the City eligible for grant funding for parks and recreation-related grants from the state.

The recommendations in this section are intended to address existing shortfalls within the City's Parks and Recreation System based on current population levels. The overarching goal is to form a solid foundation for the City by addressing the current deficiencies within the system, then moving onto growing amenities, staff, and programming.

# Existing Parks

Red Bank's current parks offer a variety of both active and passive recreational opportunities to the community. These parks and recreational facilities have a relatively long life expectancy and will require preventive maintenance investments by the City to continue to maintain the existing assets while meeting the changing demands of a growing population. After analyzing the parks and facilities, the following improvements and updates are short-term overarching goals for the on which the City should focus.

## Systemwide Priority Recommendations

- Develop a comprehensive signage and wayfinding standard for the parks and trails
- Implement facilities that are capable of facilitating a wider range of programming and activities at the parks
- Increase shaded seating options at all parks
- Improve ADA accessibilities at all Red Bank parks and recreational facilities
- Conduct a feasibility study for pool renovations that better serve the community with current aquatic trends and determine if the topography supports rebuilding a new facility in the same location or finding a new location
- Add bathrooms, water fountains, bike parking and repair stations to all park facilities
- Add dog waste stations to all trails and park facilities
- Seek out collaborations with the Public Art Advisory Board
- Implement more green infrastructure in the parks (e.g. solar lighting) to help reduce the heat island effect
- Identify new locations for City events if the streambank restoration at Stringers Branch does not allocate for enough space
- Add amphitheater or another large pavilion
- Add bouldering and climbing features for kids

## Existing Facilities Implementation Matrix

The table on the following page summarizes the short- and long-term recommendations for each existing park and recreational facility listed in the Facility and Inventory and Analysis section and categorizes them into high- and low-priority. The implementation matrix serves as a comprehensive budget planning tool for the City to refer to when prioritizing future improvements. The high-level budgetary projections were calculated using cost trends from the year this document was published and are subject to future inflation rates. In addition

to a high-level cost estimate, potential funding sources are listed that the City can explore to help alleviate the cost of implementing each recommendation. The table below categorizes the potential budget impacts into low (up to $150,000), medium ($150,000-$300,000), and high ($300,000 and higher).

| Facility | Priority | Scope | Potential Budget Impact | Potential Funding Source |
|---|---|---|---|---|
| **Existing Facilities** | | | | |
| **City of Red Bank Park** | High | Replace gazebo at Kids Corner | Low | LPRF Grant, Dept. of Health Grant, Project Diabetes Grant, Stream and Wetland Restoration Grant, Sponsorships, Partnerships |
| | | Add shade at playground | Low | |
| | | Expand and improve sandbox area | Low | |
| | | Add more shade at the stage area for larger events | Low | |
| | | Inclusive play features | - | |
| | | Add drinking fountains | - | |
| | | Add bike parking and repair station | - | |
| | | Add dog waste station | - | |
| | Low | Enhance security monitoring system | - | |
| | | Add Wi-fi for public and event use | - | |
| | | Explore additional parking options | Low | |
| | | Repair the section of Stringer's Branch streambank that runs through park | High | |
| | | Replace playground structure | High | |
| **Joseph Glasscock Community Center** | High | Restripe and repair parking lot | Low | LPRF Grant, Sponsorships, Partnerships |
| | | Add storage | - | |
| | | Expand playground | - | |
| | | Update existing fridge and freezer | - | |
| | Low | Explore additional parking options | Low | |
| | | Add poured-in-place surfacing at playground | Low | |
| **Norma Cagle Fields** | High | Update all facilities to meet ADA standards | - | LPRF Grant, Dept. of Health Grant, Project Diabetes Grant, |
| | | Explore additional parking options | Low | |
| | Low | Conduct a feasibility study for highest and best use to support public feedback on recreational desires | - | |
| **Morrison Springs Ballfields** | High | Replace concrete bleachers with metal bleachers | Low | LPRF Grant, Sponsorships, Partnerships |
| | | Update lighting to LED lighting | Medium | |
| | | Fix water spigot and add water fountain | Low | |
| | | Mitigate Mountain Creek erosion impact | - | |
| | Low | Update facilities to meet ADA standards | High | |
| | | Add concrete sidewalks | Low | |
| | | Repair scorers box | Low | |
| | | Upgrade fields and facilities for highest and best use | - | |
| | | Update concession stand and restroom building | High | |

| Facility | Priority | Scope | Potential Budget Impact | Potential Funding Source |
|---|---|---|---|---|
| **Existing Facilities** | | | | |
| **The Field Cemetery** | High | Create a committee to determine how to best preserve and honor the site | - | Sponsorships, Partnerships |
| | Low | Implement master plan | - | |
| **Red Bank Boxing Building** | High | Rip up carpet and seal concrete flooring | - | Sponsorships, Partnerships |
| | Low | Update facility | High | |
| | | Conduct a facility usage study | - | |
| **Red Bank City Cemetery** | High | Add historic signage | Low | LPRF Grant, Sponsorships, Partnerships |
| | | Add wayfinding signage to site | Low | |
| | | Add entrance signage | Low | |
| | | Add new fence and gate | Low | |
| | | Add benches | Low | |
| | Low | Explore additional parking options | Low | |
| | | Create walking path to cemetery | Medium | |
| | | Continue to collaborate with the Cemetery Advisory Board | - | |
| **Red Bank Swimming Pool** | High | Conduct feasibility study for pool renovations | - | LPRF Grant, Sponsorships, Partnerships |
| | Low | Renovate swimming pool | High | |
| **Stringer's Ridge Preserve (Portion Managed by Red Bank)** | High | Create a cohesive trail and tree maintenance committee | - | RTP Grant, LPRF Grant, Sponsorships, Partnerships |
| | | Add wayfinding signage to park and trails | Low | |
| | Low | Enhance connection between Red Bank and Stringer's Ridge Preserve | - | |
| **Town Center Memorial** | High | Provide updated landscape beds | Low | Sponsorships, Partnerships |
| | Low | Relocate memorial to create additional memorial structures | - | |
| **White Oak Connector** | High | Plant more native plant species | - | LPRF Grant, Sponsorships, Partnerships |
| | | Add more wayfinding signage | Low | |
| | | Add educational signage along trail | Low | |
| | | Change name over entry sign | - | |
| | | Power line management plan | - | |
| | | Add dog waste station | - | |
| | Low | Add plaza and seating area where gravel and dirt trail meets with seating, shade, and signage | Low | |

| Facility | Priority | Scope | Potential Budget Impact | Potential Funding Source |
|---|---|---|---|---|
| **Existing Facilities** | | | | |
| **White Oak Park** | High | Add shade at dog park and playground | Low | LPRF Grant, Dept. of Health Grant, Project Diabetes Grant, RTP Grant, Sponsorships, Partnerships |
| | | Add entrance signage to park | Low | |
| | | Improve wayfinding signage throughout park | Low | |
| | | Add educational signage throughout park | Low | |
| | | Add storybook programming around walking track | Low | |
| | | Add more seating at dog park | Low | |
| | | Replace benches at dog park | Low | |
| | | Remove the gates | - | |
| | | Enhance security monitoring system | - | |
| | | Add drinking fountains | - | |
| | | Add bike parking and repair station | - | |
| | | Explore collaboration with Public Art Advisory Board | - | |
| | | Add dog waste station | - | |
| | Low | Explore additional parking options | Low | |
| | | Terrace hill for seating and concert space | - | |
| | | Add amphitheater or another large pavilion | High | |
| | | Add soccer fields | Medium | |
| | | Cut official trails to connect park to the White Oak ballfields | - | |
| | | Make current walking path into full loop | Low | |
| | | Add shade throughout park | Low | |
| | | Add playground structure for older kids | Medium | |
| | | Add bouldering and climbing features for kids | Medium | |
| | | Add disc golf course | Low | |
| | | Add more play features and water features at dog park | Low | |
| | | Program detention ponds | - | |
| | | Add trail around detention ponds | Low | |
| | | Reroute paved trail entry to avoid crossing the dog park entrance | - | |
| | | Add trails to wooded areas | Low | |

# Needs Assessment and Park Classification

To determine the distribution of Red Bank's parks and recreation facilities, the consulting team used the following park classifications to assess the types of parks found in Red Bank and their level of service: mini, neighborhood, community, and special use. The park type classification utilized in the map on the following page are listed below.

### Mini Park

**Service Area:** 1/4 mile radius

**Park size:** 2,500 sf to two acres

**Mini Parks in Red Bank:** Joseph Glasscock Community Center, Town Center Memorial

### Neighborhood

**Service area:** 1/4 to 1/2 mile radius

**Park size:** two to 10 acres

**Neighborhood Parks in Red Bank:** City of Red Bank Park

### Community

**Service area:** 1/2 to three-mile radius

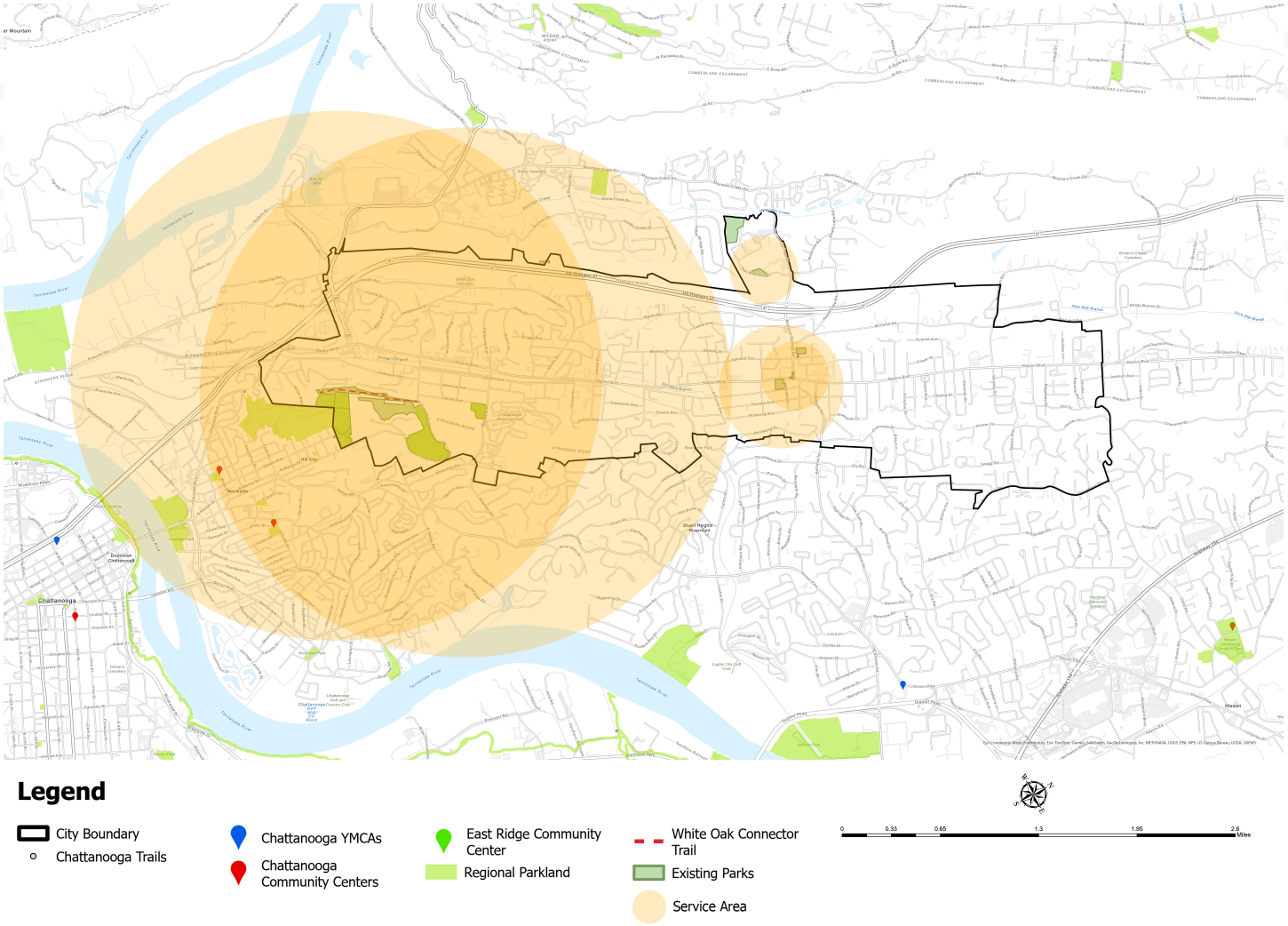
**Park size:** 25+ acres

**Community Parks in Red Bank:** Stringer's Ridge Preserve (Portion Managed by Red Bank), White Oak Park

### Special Use

Service area and park size vary with special use parks depending on the uses (e.g., marinas, golf courses, disc golf course, baseball, softball, etc.)

**Special Use Parks in Red Bank:** James Avenue Ballfields, Morrison Springs Ballfields, White Oak Connector




Red Bank does not have a traditional urban growth boundary like most municipalities as they are landlocked by Chattanooga's city limits, therefore forcing the City to be strategic when thinking about new parkland and facilities. Based on the level of service coverage map above, the northern side of Red Bank is underserved by a lack of accessibility to parkland, as a majority of parks being located on the central and southern sides of the City.

Although, most of Red Bank's park and recreational facilities are located in the southern and central portions of Red Bank, residents living in those areas could be considered underserved because most facilities are not safely accessible to pedestrians or cyclists due to a lack of pedestrian infrastructure, further contributing to the lack of accessibility to the parks system for residents. Pockets of the community without access to a park are considered underserved, and identifying these areas is vital to understanding where new parks and pedestrian infrastructure should be created. To help understand these gaps and underserved areas Red Bank has committed to the Trust for Public Land's 10-minute walk to a park initiative and should continue to use this to identify these areas. It is recommended that the City determine feasible parkland space to purchase on the northern side of the City to improve access to parkland for residents living in the northern portion Red Bank.

# Proposed Pedestrian Connectivity

Red Bank currently lacks safe pedestrian and cyclist access to the parks and recreational facilities. Having a safe, connected park multimodal system was identified as a high priority in the public survey results and the staff and stakeholder interviews and aligns with the Trust for Public Land's 10-minute walk plan for Red Bank. The map on the following page highlights key connection points identified during staff and stakeholder interviews. The identified connections would connect the existing park and recreation facilities to existing pedestrian infrastructure and the provide pedestrian access into the facilities.

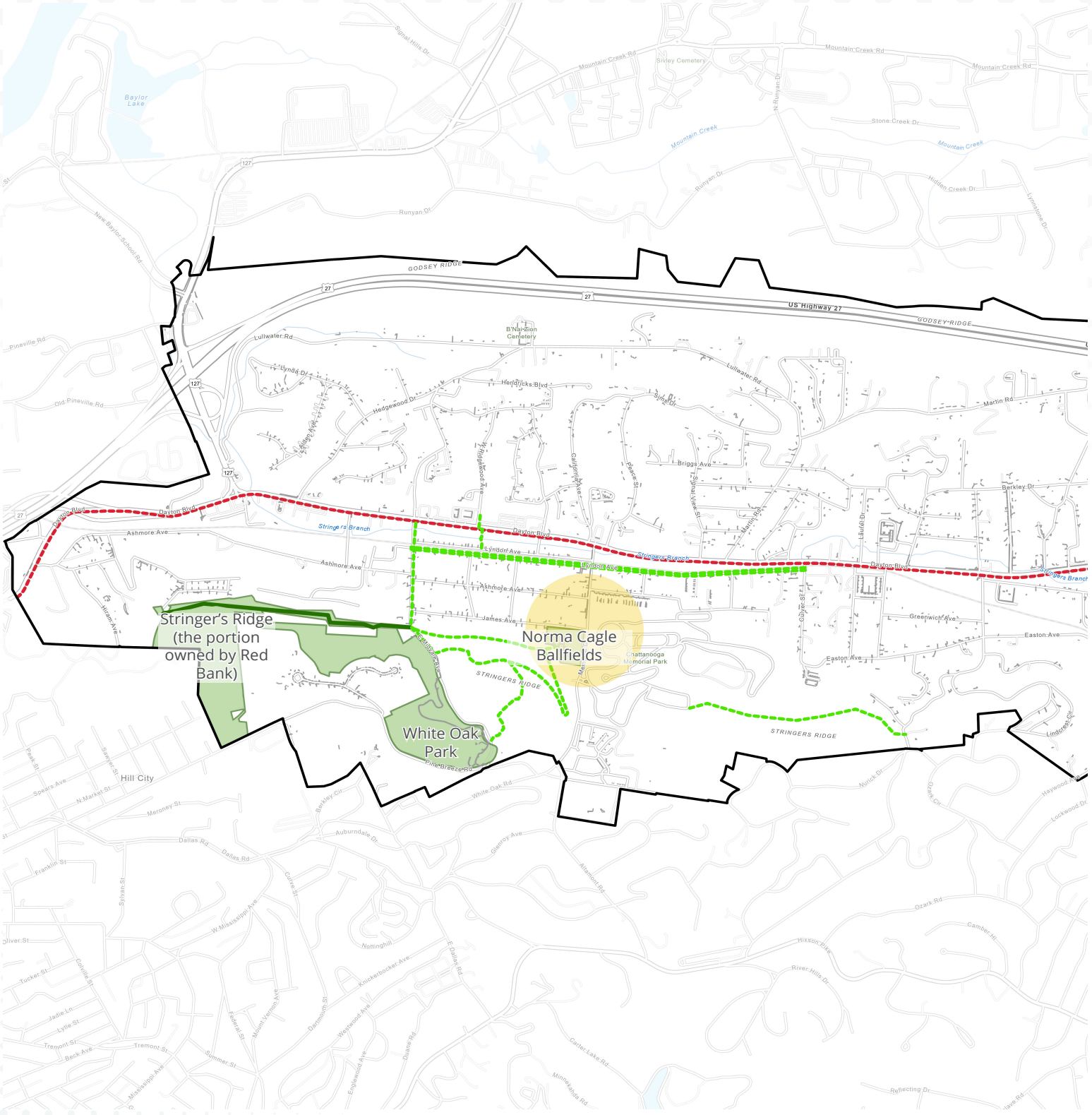
Additionally, some connections identified during staff and stakeholder were existing informal paths to key connection points (e.g., schools, parks, or small gaps in existing infrastructure) utilized by residents that the City would like to formalize into sidewalks or multi-use paths. These connection points can be found along the northern, eastern, and southern portion of the map.

The City should conduct feasibility studies for the proposed locations and to determine the specific types of multimodal measures needed to safely connect residents to the City's park and recreation system. Additionally, it is recommended that the City create a sidewalk, greenways, and bikeways master plan to identify and prioritize potential pedestrian connectivity routes to the both the existing park system and key destinations in Red Bank.

## Priority Recommendations

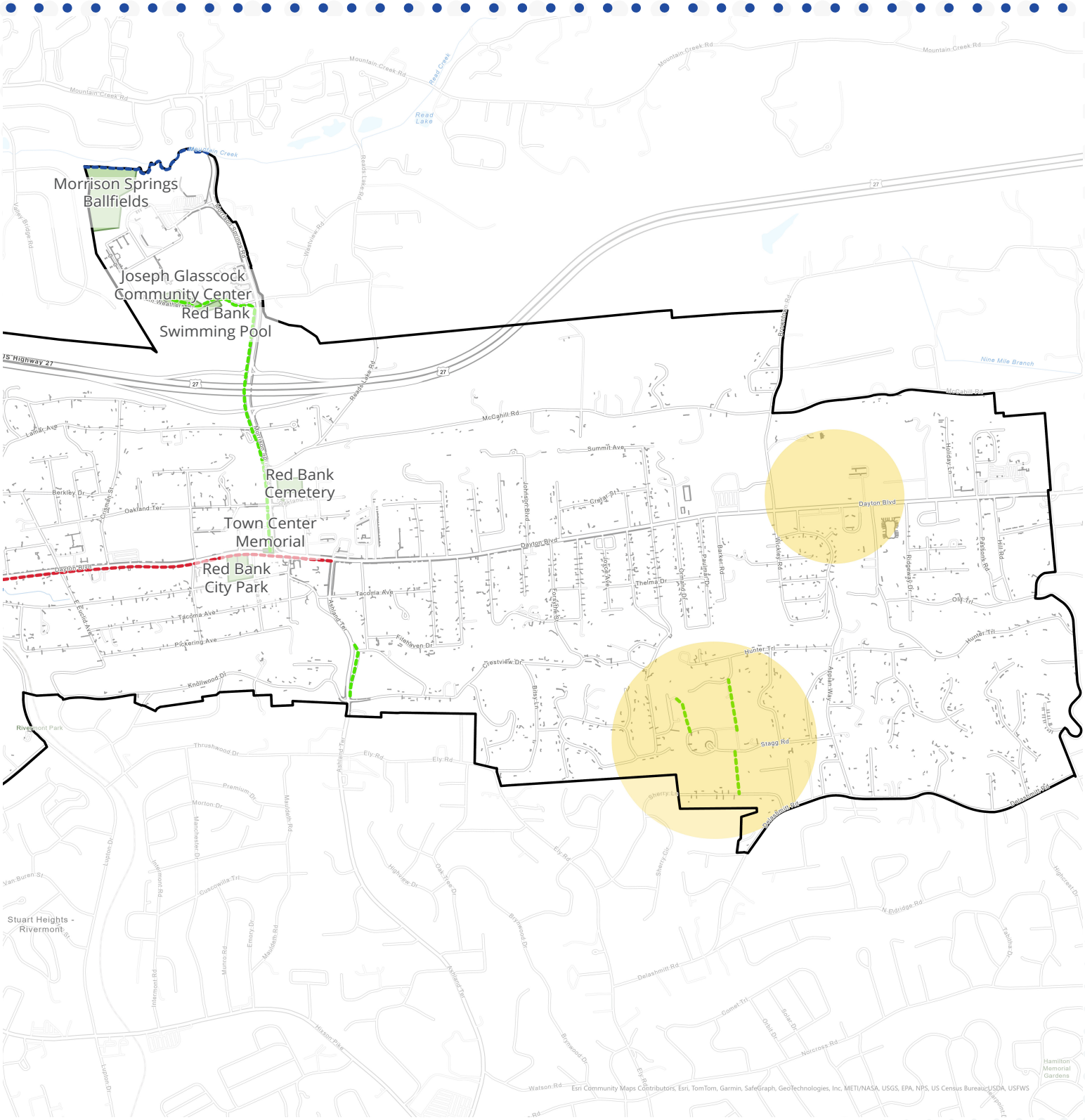
- Develop connected greenway, sidewalk, bicycle, and trail infrastructure to connect Red Bank's park system
- Add pedestrian facilities and sidewalks to create the "Lyndon Loop" for recreational walking
- Identify and incorporate White Oak Connector phase two trail into the connected pedestrian system
- Partner with Tennessee American Water Land to complete the White Oak Connector Phase 2

Photo provided by City of Red Bank




**Legend**

- City Boundary
- White Oak Connector Trail (Existing)
- Existing Parks
- Existing Pedestrian Infrastructure
- Proposed Pedestrian Connections (Parks and Recreation Master Plan)
- Proposed Mountain Creek Greenway
- Proposed North Shore Greenway (Dayton Blvd)
- Proposed Neighborhood Connectivity Nodes


Morrison Springs Ballfields
Joseph Glasscock Community Center
Red Bank Swimming Pool
Red Bank Cemetery
Town Center Memorial
Red Bank City Park
Mountain Creek Rd
Read Creek
Read Lake
Reads Lake Rd
Westview Rd
Valley Bridge Rd
US Highway 27
27
McCahill Rd
Summit Ave
Lamar Ave
Berkley Dr
Oakland Ter
Dayton Blvd
Tacoma Ave
Pickering Ave
Knollwood Dr
Fitehaven Dr
Crestview Dr
Thelma Dr
Johnson Blvd
Joyce Ave
Paulmar Dr
Barker Rd
Wickley Rd
Ridgeway Dr
Passons Rd
Hill Rd
Holiday Ln
Old Trl
Hunter Trl
Appian Way
Stagg Rd
Sherry Ln
Delashmitt Rd
Ely Rd
Thrushwood Dr
Premium Dr
Morton Dr
Manchester Dr
Mauldeth Rd
Ashland Ter
Highview Dr
Oak Tree Dr
Brynwood Dr
Cuscowilla Trl
Intermont Rd
Munro Rd
Emery Dr
Van Buren St
Lupton Dr
Hixson Pike
Watson Rd
Stuart Heights - Rivermont
Rivermont Park
Nine Mile Branch
Browntown Rd
N Eldridge Rd
Comet Trl
Orbit Dr
Solar Dr
Norcross Rd
Highcrest Dr
Tabitha Dr
Hamilton Memorial Gardens
Esri Community Maps Contributors, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS
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0
0.23
0.45
0.9
1.35
1.8
Miles

# Programming

Based on the existing programming evaluation, public survey results, and stakeholder interviews, the following recommendations were developed to best serve the City. These programming recommendations will require additional volunteers and staff to help support the added demands of expanding program offerings to meet the needs of the community.

## Priority Recommendations

- Form partnerships with local organizations to help expand programs and events in Red Bank (e.g., churches, local businesses, schools, County, surrounding municipalities)
- Provide more programming located at the parks based on highly desired events from the public survey such as festivals, food trucks, concerts, and art-related events
- Provide programming for a wider range of ages
- Engage in partnerships with surrounding municipalities to provide more athletic programming, starting with highly desired leagues mentioned in the public survey such as indoor athletics, running, and soccer

# Maintenance and Operations

Red Bank currently has one staff member solely dedicated to parks and recreation operations. Current park maintenance is handled by the Public Works Department. To keep up with the growing demands of recreation, it is recommended that the City implement the priorities below.

## Priority Recommendations

- Hire additional staff - two-three people within the next year and continue to hire staff as needed
- Purchase additional equipment to meet the Department's needs
- Add Wi-Fi and cameras at the parks
- Implement new maintenance and recreation software
- Improve the system for how contracts with local entities and the City to utilize park facilities are tracked and maintained

# Financial Analysis and Revenue Strategies

Based on interviews with City staff, the Department is open and willing to seek out grant opportunities and explore alternative financial revenue strategies for funding parks and recreation-related operations.

## Priority Recommendations

- Achieve compliance with the Land Conversion to start actively seeking out grants (see Appendix for more on the Land Conversion)
- Pursue grants and other sources of alternative funding options
- Find additional permanent funding sources
- Implement user fees for pavilions at White Oak Park
- Implement a user fee distinction between residents and non-residents at the Community Center

Photo provided by City of Red Bank

# Conclusion

Section 10

# Conclusion

Overall, the current demands and expectations placed on the City's parks and recreation system outweigh what is being provided largely due to lack of funding, limited staff resources, and further due to the division's infancy. The purpose of this Master Plan is to help alleviate the imbalance of users and facilities by providing a realistic implementation plan based on Red Bank's current and future resources, partnerships, and funding scenarios that can be applied over the next 10 years to help Red Bank's Parks and Recreation staff keep pace with the growing population's needs. The City will need to be strategic with land acquisition and facility implementation due to space restrictions and the inability to expand due to Chattanooga's borders.

The demographic analysis provided a thorough understanding of the residents within Red Bank's community. According to the U.S. Census, the population of Red Bank in 2022 was 11,959 residents. Red Bank has seen a small amount of growth in population numbers since 2012, with an overall average increase of 0.19% annually. As the City continues to grow, the demands and expectations placed on the community's parks and recreation system will also continue to grow.

To preserve Red Bank's identity and character while also meeting the needs of a growing and changing community, meaningful public engagement and community feedback was a very important part of the planning process. Interviews were held with key City staff and stakeholders in which valuable input regarding existing and future park facilities was shared. Stakeholders across the City were asked their opinion on strengths, weaknesses, opportunities, and threats (SWOT) in Red Bank. Additionally, an online public survey was used to gather feedback from the community regarding perceptions, programming, and user trends across the community's park and recreational facilities. The top desired programs and events noted in the public survey responses were festivals, concerts, trails and food trucks. The top desired facilities to add or expand upon were sidewalks, trails, green space, and the Central Park concept. It is recommended that the City create a public engagement policy for large projects, using Chattanooga's existing model as a reference.

Overall, the benchmark analysis reveals that the demands of the growing population are outweighing the current level of service in terms of ratio of park acreage, staffing, and funding being provided per the number of residents in the community. As the community grows and places more demand on the City for this public service, City leadership will need to consider when and how to implement a formal department with dedicated staff to these resources.

By developing this Master Plan, the City has recognized the need to make key investments to support existing facilities and increase staffing to remain competitive with peer communities, both locally and across the country. This plan provides recommendations for how and where to focus those investments, which allows the City to strategically expand and improve its parks and recreation system.

Photo by Brooke Bragger

# Appendix
Section 11

# SWOT Analysis

## Conducted with City Stakeholders on October 23, 2023

**MEETING ATTENDANCE SHEET**

**RED BANK PARKS AND RECREATION MASTER PLAN – SWOT ASSESSMENT**

**3105 Dayton Blvd, Red Bank, TN 37415** **August 10, 2023** **5:30 pm**

| | Name | Telephone | Email |
|---|---|---|---|
| 1 | Martin Granum | | |
| 2 | Hayes Wilkinson | | |
| 3 | David Johnson | | |
| 4 | LESLIE JOHNSON | | |
| 5 | Jeffrey Grabe | | |
| 6 | Greg Tate | | |
| 7 | | | |
| 8 | | | |
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| 17 | | | |

# Public Input Meeting

## Presentation of draft plan presentation to the public on May 13, 2024

**RED BANK PARKS AND RECREATION MASTER PLAN – DRAFT PLAN**

**PUBLIC MEETING**

**3620 Tom Weathers Dr, Red Bank, TN 37415 @ 6:00 pm**

| | Name | Address | Telephone | Email |
|---|---|---|---|---|
| 1 | Stefanie Dalton | | | |
| 2 | Kenya Hagadon | | | |
| 3 | Hollie Berry | | | |
| 4 | David Johnston | | | |
| 5 | Giselle Palmer | | | |
| 6 | Megan Ledbetter | | | |
| 7 | JASIN HOLMES | | | |
| 8 | TERRI HOLMES | | | |
| 9 | Don McKenzie + Jane West | | | |
| 10 | Lyna Hanger | | | |
| 11 | Abby Swartz | | | |
| 12 | Karissa Peyer | | | |
| 13 | Kyle Murphy | | | |
| 14 | Daisy Meyer | | | |
| 15 | Jake Duncan | | | |
| 16 | Ace Yanagida | | | |
| 17 | BRANDON GUTTER DUDE | | | |

# Public Input Meeting (continued)

## Presentation of draft plan presentation to the public on May 13, 2024

**RED BANK PARKS AND RECREATION MASTER PLAN UPDATE**

**PUBLIC MEETING**

**3620 Tom Weathers Dr, Red Bank, TN 37415 @ 6:00 pm**

| | Name | Address | Telephone | Email |
|---|---|---|---|---|
| 18 | Lucretia Cook | | | |
| 19 | Wade Cook | | | |
| 20 | Jennifer Crum | | | |
| 21 | Kate Slumbaugh | | | |
| 22 | DAVIS GUEDRON | | | |
| 23 | April Van Brunt | | | |
| 24 | Phil Sanders | | | |
| 25 | Grant Cooksey | | | |
| 26 | Caitlin Crawford | | | |
| 27 | Laurie Swank | | | |
| 28 | Jamie Nelson | | | |
| 29 | Tessa Ross | | | |
| 30 | Anthony Prince | | | |
| 31 | Patrick Kelly | | | |
| 32 | Ro Phillips | | | |
| 33 | Andrea Abercrombie | | | |

Kimley»Horn

City of Red Bank, TN PARKS, TRAILS & RECREATION

*May 13, 2024*

# Public Input Meeting (continued)

## Presentation of draft plan presentation to the public on May 13, 2024

**RED BANK PARKS AND RECREATION MASTER PLAN UPDATE**

**PUBLIC MEETING**

**3620 Tom Weathers Dr, Red Bank, TN 37415 @ 6:00 pm**

| | Name | Address | Telephone | Email |
|---|---|---|---|---|
| 34 | Lori Kyle | | | |
| 35 | Tyler Rawlins | | | |
| 36 | | | | |
| 37 | | | | |
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| 49 | | | | |

# Park Acreage Benchmark Metrics

## Breakdown of acres of parkland used in the benchmark section

| Facility Name | Acreage | Notes: |
|---|---|---|
| White Oak Park | 13 | only 13 out of the 44.15 can be used |
| White Oak Wooded Area | 31.15 | remaining undeveloped woods at White Oak Park |
| City of Red Bank Park | 2.7 | |
| Community Center | 1.8 | |
| Red Bank Boxing Building | N/A | bld only, acreage included in RB ballfields |
| Red Bank Swimming Pool | 0.9 | 19 total (0.9 at swimming) |
| Ridge Above Swimming Pool | 18.1 | 19 total (18.1 at ridge) |
| Town Center Memorial | 0.1 | |
| Hixon Property | 4.5 | |
| Former Red Bank Middle School Property | 11.97 | |
| White Oak Connector | 0.5-miles | Not including land area, only trail length since it is an easement on TVA land |
| Land Between City Hall and Police Department | 1.1 | |
| Stringer's Ridge (Portion Owned by Red Bank) | 28.88 | |
| Field Cemetery | 0.29 | |
| Morrison Springs Ballfields | 10.54 | |
| Norma Cagle Ballfields | 4.76 | |
| Red Bank City Cemetery | 1.53 | |
| Property Behind Police Department | 0.84 | |

| Park/Facility Legend | Acreage Legend |
|---|---|
| Developed & Utilized Red Bank Park Property | 60.88 |
| Potential Park Property + Undeveloped White Oak Park Wooded Area | 67.66 |
| Cemetery | 1.82 |
| Building | 1.8 |

# Conversion Quick Sheet

## Timeline:

- **1970:** Red Bank originally built a 30 acre park with Land & Water Conservation Fund (LWCF) funds, a grant awarded by the National Park System
- **2011:** Red Bank received NPS approval to proceed with a formal conversion, of 14.63 acres from the grant-funded property and replace it with another property of **equal or greater recreation and assessed value**
- Red Bank's application was approved for 2 parcels consisting of 10 acres at Stringer's Ridge + 3 acres of the former Middle School property at 3715 Dayton Blvd
- **2020**: Red Bank was officially notified the conversion was rescinded by the NPS due to lack of improvements completed and the non-viable classification of proposed recreational area (per their LWCF manual) resulting in Red Bank's current non compliance status.

## Fast Facts:

- Red Bank must submit a new application and conversion package to the NPS
- Cost for submitting application is $10,000 and is non-refundable
- Submittal of application must include community input which is currently being compiled through the Parks & Recreation Master Plan
- If the application is approved, Red Bank is deemed in compliance with the condition of 3 years to develop the site(s) and fulfill the terms of the conversion agreement.

## Conversion Application Must Comply With The Following:

- The land was not acquired by the sponsor or selling agency for recreation
- The land has not been dedicated or managed for recreational purposes while in public ownership
- No Federal assistance was provided in the original acquisition unless the assistance was provided under a program expressly authorized to match or supplement LWCF assistance
- If Red Bank acquires the land from another public agency, compensation for this property must be documented

August 6, 2024

**Agenda No.**

**To:** The Board of Commissioners
**From:** Brent Sylar, Fire Chief

**Subject:** Request to purchase fire hose

**Background:**

Formal email quotes were received in June 2024 for the following:

- 2,000 feet of 5" supply hose

City of Red Bank policies were followed, and pricing obtained.

**Total Cost: $19,975.00**

**Bidders:**

Tennessee Fire Equipment (local) - $19,975.00, met quote specifications – Only dealer who can sell in Tennessee.
Allied Fire Sales & Service - $20,000.00, met quote specifications
NAFECO - $21,460.00, did not meet quote specifications

**Recommendation:**

To purchase the hose from the low bidder, Tennessee Fire Equipment.

**Fiscal Impact: $19,975.00 from budgeted funds**

SWC 209

Lonnie Cobb Contract # 80355

## 2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

**Client Proposal**

Prepared by:
STEVEN BLACKSTOCK
Office: 731-989-2121

Date: 06/11/2024

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

# Warranty

## Standard Warranty

### *Basic Warranty*

| | |
|---|---|
| Basic warranty | 36 months/36,000 miles |

### *Powertrain Warranty*

| | |
|---|---|
| Powertrain warranty | 60 months/100,000 miles |

### *Corrosion Perforation*

| | |
|---|---|
| Corrosion perforation warranty | 60 months/unlimited |

### *Roadside Assistance Warranty*

| | |
|---|---|
| Roadside warranty | 60 months/60,000 miles |

### *Hybrid/Electric Components Warranty*

| | |
|---|---|
| Hybrid/electric components warranty | 96 months/100,000 miles |

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

## 2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

# As Configured Vehicle

| Code | Description | MSRP |
|---|---|---|
| K8A | Base Vehicle Price (K8A) | $49,515.00 |
| 500A | Order Code 500A<br>*Includes:*<br>*- 3.73 Axle Ratio*<br>*- GVWR: 6,840 lbs (3,103 kgs)*<br>*- Tires: 255/60R18 AS BSW*<br>*- Wheels: 18" x 8" 5-Spoke Painted Black Steel*<br>*Includes polished stainless steel hub cover and center caps.*<br>*- Unique HD Cloth Front Bucket Seats w/Vinyl Rear*<br>*Includes reduced bolsters, 6-way power track driver seat (fore/aft. up/down, tilt with manual recline, 2-way power lumbar), 8-way power track passenger seat with 2-way power recline and 2-way power lumbar and built-in steel intrusion plates in both driver/passenger seatbacks.*<br>*- Radio: AM/FM/MP3 Capable*<br>*Includes 100 watt siren/speaker prep kit, clock, 4 speakers, 1 USB port and 8" color LCD screen center-stack smart display, supports Android Auto and Apple CarPlay and fleet telematics modem.*<br>*- SYNC Phoenix Communication & Entertainment System*<br>*Includes hands-free voice command support compatible with most Bluetooth connected mobile devices, 911 Assist, VHR, SYNC Services, AppLink, Bluetooth, steering wheel controls, USB port and auxiliary input jack.* | N/C |
| 99B | Engine: 3.3L V6 Direct-Injection<br>*(136-MPH top speed). Deletes regenerative braking and lithium-ion battery pack; adds 250-amp alternator and replaces 19-gallon tank with 21.4-gallon tank.* | -$2,330.00 |
| 44U | Transmission: 10-Speed Automatic (44U) | N/C |
| STDAX | 3.73 Axle Ratio | Included |
| STDGV | GVWR: 6,840 lbs (3,103 kgs) | Included |
| STDTR | Tires: 255/60R18 AS BSW | Included |
| STDWL | Wheels: 18" x 8" 5-Spoke Painted Black Steel<br>*Includes polished stainless steel hub cover and center caps.* | Included |
| 9 | Unique HD Cloth Front Bucket Seats w/Vinyl Rear<br>*Includes reduced bolsters, 6-way power track driver seat (fore/aft. up/down, tilt with manual recline, 2-way power lumbar), 8-way power track passenger seat with 2-way power recline and 2-way power lumbar and built-in steel intrusion plates in both driver/passenger seatbacks.* | Included |
| PAINT | Monotone Paint Application | STD |
| 119WB | 119" Wheelbase | STD |
| STDRD | Radio: AM/FM/MP3 Capable | Included |

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

## 2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

# As Configured Vehicle (cont'd)

| Code | Description | MSRP |
|---|---|---|
| | Allows data to be provided to support Ford Pro telematics and data services via optional subscription, including but not limited to vehicle location, speed, idle time, fuel, vehicle diagnostics and maintenance alerts. Device enables optional telematics services through Ford or authorized providers via paid subscription. Subscribe at https://fordpro.com/en-us/telematics/ or call 1-833-811-FORD (3673). | |
| | *Includes 100 watt siren/speaker prep kit, clock, 4 speakers, 1 USB port and 8" color LCD screen center-stack smart display, supports Android Auto and Apple CarPlay and fleet telematics modem.* | |
| | *Includes:*<br>*- SYNC Phoenix Communication & Entertainment System*<br>*Includes hands-free voice command support compatible with most Bluetooth connected mobile devices, 911 Assist, VHR, SYNC Services, AppLink, Bluetooth, steering wheel controls, USB port and auxiliary input jack.* | |
| 51R | Driver Only LED Bulb Spot Lamp (Unity) | $400.00 |
| 68G | Rear-Door Controls Inoperable | $80.00 |
| | *Locks, handles and windows. Can manually remove window or door disable plate with special tool. Locks/windows operable from driver's door switches.* | |
| 60R | Noise Suppression Bonds (Ground Straps) | $100.00 |
| 425 | 50-State Emissions System | STD |
| | Flexible Fuel Vehicle (FFV) system is standard equipment for vehicles equipped with the 3.3L V6 Direct-Injection engine. | |
| YZ_01 | Oxford White | N/C |
| 9W_01 | Charcoal Black w/Unique HD Cloth Front Bucket Seats w/Vinyl Rear | N/C |

| | |
|---|---|
| SUBTOTAL | $47,765.00 |
| Destination Charge | $1,595.00 |
| TOTAL | $49,360.00 |

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

## 2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

# Pricing Summary - Single Vehicle

### *Vehicle Pricing*

| | MSRP |
|---|---|
| Base Vehicle Price | $49,515.00 |
| Options | -$1,750.00 |
| Colors | $0.00 |
| Upfitting | $0.00 |
| Fleet Discount | $0.00 |
| Fuel Charge | $0.00 |
| Destination Charge | $1,595.00 |
| **Subtotal** | $49,360.00 |

### *Pre-Tax Adjustments*

| Code | Description | MSRP |
|---|---|---|
| fleet discount | fleet discount | -$4,759.00 |
| **Total** | | $44,601.00 |

Customer Signature

Acceptance Date

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

SWC 209

Lonnie Cobb Contract # 80355

## 2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

**Client Proposal**

Prepared by:
STEVEN BLACKSTOCK
Office: 731-989-2121

Date: 07/09/2024

2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

# Warranty

## Standard Warranty

### *Basic Warranty*

| | |
|---|---|
| Basic warranty | 36 months/36,000 miles |

### *Powertrain Warranty*

| | |
|---|---|
| Powertrain warranty | 60 months/100,000 miles |

### *Corrosion Perforation*

| | |
|---|---|
| Corrosion perforation warranty | 60 months/unlimited |

### *Roadside Assistance Warranty*

| | |
|---|---|
| Roadside warranty | 60 months/60,000 miles |

### *Hybrid/Electric Components Warranty*

| | |
|---|---|
| Hybrid/electric components warranty | 96 months/100,000 miles |

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared by: STEVEN BLACKSTOCK
07/09/2024 Lonnie Cobb Ford | 1618 Highway 45 North Henderson Tennessee | 383404005

## 2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

# As Configured Vehicle

| Code | Description | MSRP |
|---|---|---|
| K8A | Base Vehicle Price (K8A) | $49,515.00 |
| 500A | Order Code 500A<br>*Includes:*<br>*- 3.73 Axle Ratio*<br>*- GVWR: 6,840 lbs (3,103 kgs)*<br>*- Tires: 255/60R18 AS BSW*<br>*- Radio: AM/FM/MP3 Capable*<br>*Includes 100 watt siren/speaker prep kit, clock, 4 speakers, 1 USB port and 8" color LCD screen center-stack smart display, supports Android Auto and Apple CarPlay and fleet telematics modem.*<br>*- SYNC Phoenix Communication & Entertainment System*<br>*Includes hands-free voice command support compatible with most Bluetooth connected mobile devices, 911 Assist, VHR, SYNC Services, AppLink, Bluetooth, steering wheel controls, USB port and auxiliary input jack.* | N/C |
| 99B | Engine: 3.3L V6 Direct-Injection<br>*(136-MPH top speed). Deletes regenerative braking and lithium-ion battery pack; adds 250-amp alternator and replaces 19-gallon tank with 21.4-gallon tank.* | -$2,330.00 |
| 44U | Transmission: 10-Speed Automatic (44U) | N/C |
| STDAX | 3.73 Axle Ratio | Included |
| STDGV | GVWR: 6,840 lbs (3,103 kgs) | Included |
| STDTR | Tires: 255/60R18 AS BSW | Included |
| NONWL | Wheels: 18" Painted Aluminum | Included |
| F | Unique HD Cloth Front Bucket Seats w/Cloth Rear<br>*Includes driver 6-way power track (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar) and passenger 2-way manual track (fore/aft. with manual recline).* | Included |
| PAINT | Monotone Paint Application | STD |
| 119WB | 119" Wheelbase | STD |
| STDRD | Radio: AM/FM/MP3 Capable | Included |
| | Allows data to be provided to support Ford Pro telematics and data services via optional subscription, including but not limited to vehicle location, speed, idle time, fuel, vehicle diagnostics and maintenance alerts. Device enables optional telematics services through Ford or authorized providers via paid subscription. Subscribe at https://fordpro.com/en-us/telematics/ or call 1-833-811-FORD (3673).<br>*Includes 100 watt siren/speaker prep kit, clock, 4 speakers, 1 USB port and 8" color LCD screen center-stack smart display, supports Android Auto and Apple CarPlay and fleet telematics modem.*<br>*Includes:*<br>*- SYNC Phoenix Communication & Entertainment System* | |

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

## 2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

# As Configured Vehicle (cont'd)

| Code | Description | MSRP |
|---|---|---|
| | *Includes hands-free voice command support compatible with most Bluetooth connected mobile devices, 911 Assist, VHR, SYNC Services, AppLink, Bluetooth, steering wheel controls, USB port and auxiliary input jack.* | |
| 65U | Police Upgrade Package<br>*Includes selectable sport mode and high series headlamp with LED corner warning lights.*<br>*Includes:*<br>*- 1st & 2nd Row Carpet Floor Covering*<br>*Includes front and rear carpeted floor mats.*<br>*- Front Headlamp Lighting Solution*<br>*Includes LED low beam/high beam headlamp, wig-wag function and (2) red/blue/white LED side warning lights in each headlamp (factory configured: driver's side white/red/passenger side white/blue). Wiring and LED lights included (in headlamps only; grille lights not included). Controller not included.*<br>*- Grille LED Lights, Siren & Speaker Pre-Wiring*<br>*- Wheels: 18" Painted Aluminum*<br>*- Unique HD Cloth Front Bucket Seats w/Cloth Rear*<br>*Includes driver 6-way power track (fore/aft. up/down, tilt with manual recline, 2-way manual lumbar) and passenger 2-way manual track (fore/aft. with manual recline).*<br>*- Center Floor Console Less Shifter*<br>*Includes console and top plate with 2 cup holders. (Maintains column shifter).*<br>*- SYNC Phoenix Communication & Entertainment System*<br>*Includes hands-free voice command support compatible with most Bluetooth connected mobile devices, 911 Assist, VHR, SYNC Services, AppLink, Bluetooth, steering wheel controls, USB port and auxiliary input jack.*<br>*- Front Console Plate Delete* | $390.00 |
| 66A | Front Headlamp Lighting Solution<br>Recommend using ultimate wiring package (67U).<br>*Includes LED low beam/high beam headlamp, wig-wag function and (2) red/blue/white LED side warning lights in each headlamp (factory configured: driver's side white/red/passenger side white/blue). Wiring and LED lights included (in headlamps only; grille lights not included). Controller not included.*<br>*Includes:*<br>*- Grille LED Lights, Siren & Speaker Pre-Wiring* | Included |
| 16C | 1st & 2nd Row Carpet Floor Covering<br>*Includes front and rear carpeted floor mats.* | Included |
| 85D | Front Console Plate Delete | Included |
| 60R | Noise Suppression Bonds (Ground Straps) | $100.00 |
| 425 | 50-State Emissions System<br>Flexible Fuel Vehicle (FFV) system is standard equipment for vehicles equipped with the 3.3L V6 Direct-Injection engine. | STD |
| YZ_01 | Oxford White | N/C |

| | |
|---|---|
| SUBTOTAL | $47,675.00 |
| Destination Charge | $1,595.00 |

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

## 2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

# As Configured Vehicle (cont'd)

| Code | Description | MSRP |
|---|---|---|
| TOTAL | | $49,270.00 |

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared by: STEVEN BLACKSTOCK
07/09/2024

Lonnie Cobb Ford | 1618 Highway 45 North Henderson Tennessee | 383404005

## 2025 Police Interceptor Utility AWD Base (K8A)

Price Level: 515

# Pricing Summary - Single Vehicle

| | MSRP |
|---|---|
| *Vehicle Pricing* | |
| Base Vehicle Price | $49,515.00 |
| Options | -$1,840.00 |
| Colors | $0.00 |
| Upfitting | $0.00 |
| Fleet Discount | $0.00 |
| Fuel Charge | $0.00 |
| Destination Charge | $1,595.00 |
| **Subtotal** | $49,270.00 |

*Pre-Tax Adjustments*

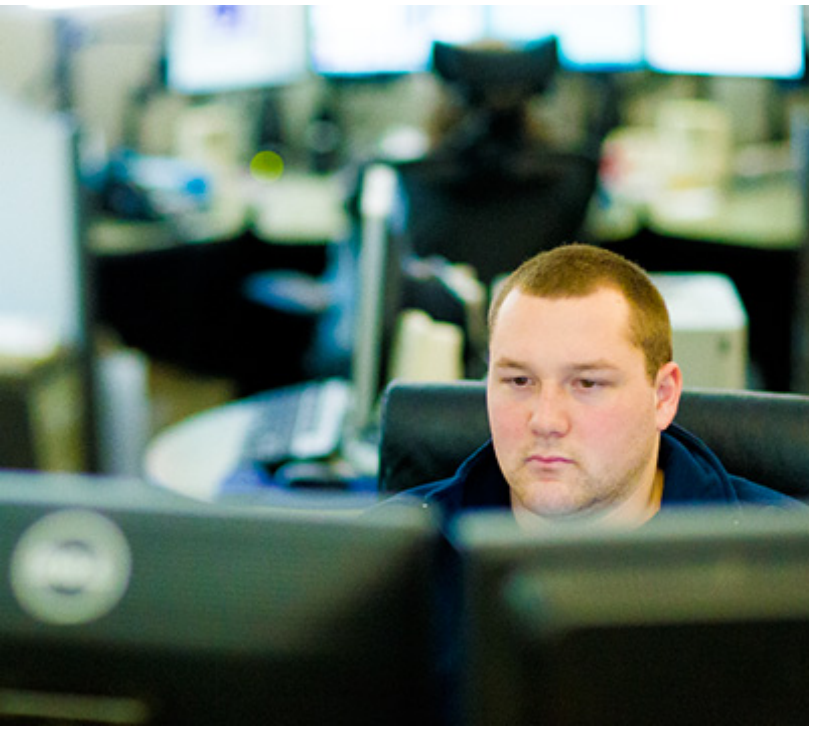
| Code | Description | MSRP |
|---|---|---|
| fleet discount | fleet discount | -$4,759.00 |
| **Total** | | $44,511.00 |

Customer Signature

Acceptance Date

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

MOTOROLA SOLUTIONS



# RED BANK, CITY OF

02/28/2024

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02/28/2024

RED BANK, CITY OF
101 E 11TH ST
CHATTANOOGA, TN 37402

Dear ,

Motorola Solutions is pleased to present RED BANK, CITY OF with this quote for quality communications equipment and services. The development of this quote provided us the opportunity to evaluate your requirements and propose a solution to best fulfill your communications needs.

This information is provided to assist you in your evaluation process. Our goal is to provide RED BANK, CITY OF with the best products and services available in the communications industry. Please direct any questions to Kenan Lewis at kenanlewis@callmc.com.

We thank you for the opportunity to provide you with premier communications and look forward to your review and feedback regarding this quote.

Sincerely,

Kenan Lewis

Motorola Solutions Manufacturer's Representative

DRAFT

Billing Address:
RED BANK, CITY OF
101 E 11TH ST
CHATTANOOGA, TN 37402
US

Quote Date:02/28/2024
Expiration Date:09/06/2024
Quote Created By:
Kenan Lewis
kenanlewis@callmc.com

End Customer:
RED BANK, CITY OF

Contract: 21424 - TENNESSEE

| Line # | Item Number | Description | Qty | List Price | Sale Price | Ext. Sale Price |
|---|---|---|---|---|---|---|
| | APX™ 1500 Enhanced | | | | | |
| 1 | M36URS9PW1BN | APX1500 ENHANCED 7/800 MHZ MOBILE | 10 | $1,932.32 | $1,391.27 | $13,912.70 |
| 1a | G24AX | ENH: 3 YEAR ESSENTIAL SVC | 10 | $216.00 | $216.00 | $2,160.00 |
| 1b | G832AD | ADD: SPKR 7.5W WTR RST APEX | 10 | $67.00 | $48.24 | $482.40 |
| 1c | GA00235AA | ADD: NO GPS ANTENNA NEEDED APX | 10 | $0.00 | $0.00 | $0.00 |
| 1d | G66BF | ADD: DASH MOUNT O2 APXM | 10 | $138.00 | $99.36 | $993.60 |
| 1e | GA00580AA | ADD: TDMA OPERATION | 10 | $495.00 | $356.40 | $3,564.00 |
| 1f | GA00804AA | ADD: APX O2 CH (GREY) | 10 | $541.00 | $389.52 | $3,895.20 |
| 1g | W969BQ | ADD: MULTIKEY OPERATION | 10 | $95.00 | $68.40 | $684.00 |
| 1h | GA01339AA | ENH: SW P25 TRUNKING | 10 | $1,177.00 | $847.44 | $8,474.40 |
| 1i | G444AH | ADD: APX CONTROL HEAD SOFTWARE | 10 | $0.00 | $0.00 | $0.00 |
| 1j | W22BA | ADD: STD PALM MICROPHONE APX | 10 | $79.00 | $56.88 | $568.80 |
| 1k | QA09113AB | ADD: BASELINE RELEASE SW | 10 | $0.00 | $0.00 | $0.00 |
| 1l | G193AK | ADD: ADP ONLY (NON-P25 CAP COMPLIANT) (US ONLY) | 10 | $0.00 | $0.00 | $0.00 |
| 1m | G174AD | ADD: ANT 3DB LOW-PROFILE 762-870 | 10 | $47.00 | $33.84 | $338.40 |
| 2 | LSV00Q00203A | DEVICE INSTALLATION | 10 | $265.00 | $265.00 | $2,650.00 |

DRAFT

Any sales transaction following Motorola's quote is based on and subject to the terms and conditions of the valid and executed written contract between Customer and Motorola (the ""Underlying Agreement"") that authorizes Customer to purchase equipment and/or services or license software (collectively ""Products""). If no Underlying Agreement exists between Motorola and Customer, then Motorola's Standard Terms of Use and Motorola's Standard Terms and Conditions of Sales and Supply shall govern the purchase of the Products.
Motorola Solutions, Inc.: 500 West Monroe, United States - 60661 ~ #: 36-1115800

| Line # | Item Number | Description | Qty | List Price | Sale Price | Ext. Sale Price |
|---|---|---|---|---|---|---|
| 3 | RLN6551B | WIRELESS BLUETOOTH ACCESSORY-WIRELESS REMOTE SPEAKER MICROPHONE,LONG RANGE WRLS MOBILE BT W/ VC | 5 | $540.00 | $405.00 | $2,025.00 |
| 4 | PMLN6716A | WIRELESS RSM VEHICULAR CHARGER | 5 | $77.76 | $58.32 | $291.60 |
| | APX™ 900 | | | | | |
| 5 | H92UCF9PW6AN | APX 900 7/800 MHZ MODEL 2 PORTABLE | 9 | $1,973.92 | $1,421.22 | $12,790.98 |
| 5a | H842BW | ADD: SINGLE UNIT PACKAGING | 9 | $0.00 | $0.00 | $0.00 |
| 5b | QA04096AA | ENH: P25 TRUNKING | 9 | $1,177.00 | $847.44 | $7,626.96 |
| 5c | QA06653AA | ENH: AES 256 SW ENCRYPTION AND ADP | 9 | $358.00 | $257.76 | $2,319.84 |
| 5d | H869CQ | ADD: MULTIKEY | 9 | $83.00 | $59.76 | $537.84 |
| 5e | QA00580AF | ADD: TDMA OPERATION | 9 | $495.00 | $356.40 | $3,207.60 |
| 5f | QA09113AB | ADD: BASELINE RELEASE SW | 9 | $0.00 | $0.00 | $0.00 |
| 5g | H885BK | ADD: 3Y ESSENTIAL SERVICE | 9 | $133.00 | $133.00 | $1,197.00 |
| 6 | PMPN4284B | CHARGER DESKTOP MULTI-UNIT IMPRES 2 1 DISPLAY EXT PS 100-240VAC US/NA | 2 | $707.40 | $530.55 | $1,061.10 |

Grand Total $68,781.42(USD)

DRAFT

## Notes:

- Unless otherwise noted, this quote excludes sales tax or other applicable taxes (such as Goods and Services Tax, sales tax, Value Added Tax and other taxes of a similar nature). Any tax the customer is subject to will be added to invoices.

Any sales transaction following Motorola's quote is based on and subject to the terms and conditions of the valid and executed written contract between Customer and Motorola (the ""Underlying Agreement"") that authorizes Customer to purchase equipment and/or services or license software (collectively ""Products""). If no Underlying Agreement exists between Motorola and Customer, then Motorola's Standard Terms of Use and Motorola's Standard Terms and Conditions of Sales and Supply shall govern the purchase of the Products.
Motorola Solutions, Inc.: 500 West Monroe, United States - 60661 ~ #: 36-1115800

MOTOROLA SOLUTIONS

| Purchase Order Checklist |
| --- |
| **Marked as PO/ Contract/ Notice to Proceed on Company Letterhead**<br>**(PO will not be processed without this)** |
| **PO Number/ Contract Number** |
| **PO Date** |
| **Vendor = Motorola Solutions, Inc.** |
| **Payment (Billing) Terms/ State Contract Number** |
| **Bill-To Name on PO must be equal to the *Legal* Bill-To Name** |
| **Bill-To Address** |
| **Ship-To Address (If we are shipping to a MR location, it must be documented on PO)** |
| **Ultimate Address (If the Ship-To address is the MR location then the Ultimate Destination address must be documented on PO )** |
| **PO Amount must be equal to or greater than Order Total** |
| **Non-Editable Format (Word/ Excel templates cannot be accepted)** |
| **Bill To Contact Name & Phone # and EMAIL for customer accounts payable dept** |
| **Ship To Contact Name & Phone #** |
| **Tax Exemption Status** |
| **Signatures (As required)** |

# CITY OF RED BANK
# PUBLIC WORKS DEPARTMENT
# ASHMORE SLOPE

**There is a stretch of Ashmore Avenue between 1802 and 1824 Ashmore that has experienced a shift in the roadbed two times in the last +/- ten years that has required major road repairs.**

**In 2013 the city undertook an effort to make repairs which stabilized the roadbed for approximately eight years.**

**Recently, the road has experienced another shift and is need of repair once more.**

**This time staff intend to utilize geotechnical inspections and surveys to determine the underlying causes.**

**Utilizing our Professional Agreement with Volkert, Inc. the city intends to effect a permanent repair for this location.**

64.07 ft
Total: 425.16 ft

**RESOLUTION NO. 13-914**

**A RESOLUTION AUTHORIZING A CONTRACT WITH BROWN BROS., INC. FOR EMERGENCY ROADWAY REPAIRS ON ASHMORE AVENUE**

WHEREAS, due to substantial and massive rainfall events during the latter days of April and the first week of May, 2013, a section of Ashmore Avenue, approximately 200' x 30' has been rendered unstable, subject to collapse, and unusable; and

WHEREAS, since on or about May 6, 2013, the referenced section of Ashmore Avenue, in the 1800 block, has been closed to traffic and unusable; and

WHEREAS, the Public Works Department has advised that the referenced section is not only unusable but cannot be restored by simply repaving same; and

WHEREAS, the Commission declares the repair and reopening of Ashmore Avenue as a significant traffic artery for the City of Red Bank, Tennessee, as an EMERGENCY; and

WHEREAS, the normal bidding process for undertaking such a repair would likely result in delays of 30 to 45 days before any such repair and restoration project could commence; and

WHEREAS, the City deems it an emergency and has obtained a Proposal from Brown Bros., Inc., a trustworthy engineering and construction company with which the City has experience over the years, to effect such repairs for the set price of $61,300.00 and subject to change orders contained; and

WHEREAS, the City has deemed the repair an emergency such that the bidding processes should be suspended for Ashmore Avenue in the best interest of the citizens of Red Bank, Tennessee.

NOW, THEREFORE, BE IT RESOLVED by the City Commission of the City of Red Bank, Tennessee, at its regularly scheduled and duly advertised bi-monthly commission meeting held on the 21st day of May, 2013 at the Red Bank City Hall

1. That upon the findings hereinabove recited, the necessary repairs to Ashmore Avenue, a significant and heavily used thoroughfare for the City of Red Bank are declared to be an emergency.

2. That the emergency repairs, if the normal bidding processes for financing such repairs were adhere to would delay in the commencement of repair activities of between 30 and 45 days.

3. That the bidding processes be suspended, that the City Manager be authorized to enter a contract for the emergency repair of Ashmore Avenue, subject to approval of the City Attorney, for the amount of $61,300.00, together with change order procedures and allowances for "additional work" to be necessarily included in said contract.

Adopted at the meeting of the City Commissioners on the 21st day of May, 2013 by a vote of five ayes and zero nays.

CITY OF RED BANK

BY: _____
John Roberts, Mayor

ATTEST:

Ruth Rohen, City Recorder

*Brown Bros., Inc.*

*P. O. Box 91313*
*Chattanooga, TN 37412*
*Earth Moving Contractors*

*Telephone (423) 893-9595*
*Fax (423) 893-9660*

July 24, 2013

City of Red Bank TN
3117 Dayton Blvd
Chattanooga, TN 37415

RE: Ashmore Avenue Emergency Repair

Dear Sir / Madam:

We, Brown Bros., Inc., do hereby warrant that all labor and material furnished and work performed in conjunction with the above-referenced project are in accord with the Contract Documents and authorized modifications thereto, and will be free from defects due to defective materials or workmanship for a period of One (1) year from the Date of Substantial Completion. This warranty commences on July 24, 2013 (Date of Substantial Completion) and expires on July 24, 2014.

Should any defect develop during the warranty period due to improper materials or workmanship, the same shall, upon written notice by the Owner, be made good by Brown Bros. Inc., at no expense to the owner.

If defects to work are caused by unforeseen geologic conditions under or adjacent to the work zone, this warranty is void.

The Owner will give Brown Bros., Inc , written notice of such defective work. Should Brown Bros., Inc. fail to correct defective work within 30 days after receiving written notice, the Owner may, at his option, correct defects and charge Brown Bros., Inc. for the cost of such correction. Brown Bros., Inc. agrees to pay such charges upon demand.

Nothing in the above shall be deemed to apply to work that has been abused or neglected by the Owner.

Very truly yours,

Bernard H. Brown III

Brown Bros., Inc.
Bernard H. Brown III, Vice President

**CONTRACT CHANGE REQUEST**

OWNER ☐
ARCHITECT ☐
CONTRACTOR ☐

PROJECT: Ashmore Ave Emergency Repair

CHANGE REQUEST NUMBER: 1

DATE: 07/30/13

CONTRACT DATE: 05/13/13

**TO OWNER:**

City of Red Bank
3117 Dayton Blvd
Red Bank, TN 37415

**FROM SUBCONTRACTOR:**

Brown Bros., Inc.
P.O. Box 91313
Chattanooga, TN 37412

The contract is changed as follows:

**Add twenty nine linear feet of asphalt, over and above base bid**

| | | | | |
|---|---|---|---|---|
| Asphalt binder 12' x 29' x 2" | 4.25 | tons | $125.00 | $531.25 |
| Asphalt topping 34' x 29' x 2" | 8.50 | tons | $125.00 | ~~$1,062.50~~ |
| | | | | $1,593.75 |

| | |
|---|---|
| Original contract amount: | $60,300.00 |
| Net change by previously authorized change orders: | $0.00 |
| Contract sum revised by previous change orders: | $61,300.00 |
| Amount of this change request: | $1,593.75 |
| Revised contract amount: | $62,893.75 |

Contractor (signature)

Randall G. Smith
Contractor (print)

08/29/13
Date

Subcontractor (signature)

Frank Geismar
Subcontractor (print)

07/30/13
Date

July 24, 2013

Brown Brothers, Inc.
6735 Ringgold Road
East Ridge, TN 37412

Attention: Mr. Tripp Brown

Project: 13-B01-A79 Observation of Slide Repair
Location: Ashmore Avenue • Red Bank, Tennessee

Dear Mr. Brown:

On May 13, 2013 Cannon Geotechnical (Cannon) met with Mr. Tripp Brown of Brown Brothers, Inc. to observe pavement conditions along a portion of Ashmore Avenue in Red Bank, Tennessee. A portion of the southbound lane exhibited cracking and displacement consistent with ground movement and/or sliding commonly observed in natural and fill slopes in portions of the general vicinity of Red Bank. No subsurface investigation was performed. Consequently, subsurface conditions and strength of existing soils was not available, which would allow stability analyses to be performed both on the existing slide and on any subsequent repair. The initial intent proposed by Brown Brothers was to excavate a portion of the southbound lane of Ashmore Avenue, removing the scarp and adjacent unstable soils to a stable subgrade, estimated to be about 5 ½ feet deep for a length of about 200 feet centered at the approximate point where the scarp was closest to the centerline of Ashmore Avenue. Once stable subgrade materials were encountered, the proposed repair was to include placement of a geotextile-wrapped layer of riprap or shot rock, topped with coarse crushed stone followed by dense graded aggregate base, prior to asphalt paving.

On June 27, 2013, Cannon returned to the site to observe excavation, which proceeded all day June 27 and until around 2 pm on June 28. Soils encountered at the nominal undercut depth of 5 ½ feet were not stiff. Excavation continued until stiff soils were encountered. Based on level shots taken when excavation was completed, between 4.5 and 9 feet of soil was removed adjacent to the centerline of Ashmore Avenue, averaging approximately 6.5 feet below original grade at the centerline of the road. The excavation into the western slope adjacent to Ashmore Avenue extended between about 7 and 12 feet below the original grade at the centerline of the road, averaging about 10 feet. The northern 120 feet of the excavation was "notched" into the existing slope to provide a nominal buttress to the toe of the new fill. After level shots had been taken, an initial lift of shot rock was placed with a trackhoe and stabilized by a combination of bucket tamping, track walking with a bulldozer, and compaction with a vibratory compactor. On July 1, 2013, the excavation was lined with a woven geotextile, Propex® 2x2HF, which was draped over the east face of the excavation, across the bottom, and up the west face of the excavation. Filling with shot rock took place on July 1, 2 and 3. A lift of shot rock about 3 feet thick was placed over the entire base of the excavation and stabilized with vibratory compaction. The 6-foot "tail" of fabric along the west edge of the fill was lapped over the edge of the rock fill prior to placement of a second lift of shot rock. When the second layer had been placed and compacted, the east "tail" of fabric was laid over the top of the compacted shot rock and covered with the next lift of shot rock. After compaction of the upper layer of shot rock, coarse crushed stone with a minor soil fraction was placed and compacted to within about 6 inches of final grade. The upper surface of the crushed stone was capped with dense graded aggregate, and was compacted with a vibratory roller.

75 Timber Ridge Ct • Ringgold, GA 30736
Office: 706.866.6911 • Cell: 423.710.4186 • johndcannon@comcast.net

Project: 13-B01-A79 Observation of Slide Repair
Location: Ashmore Avenue • Red Bank, Tennessee
July 24, 2013

We understand a grated drain was installed by the City of Red Bank on July 5, 2013 along the eastern side of Ashmore Avenue where a residential driveway drains toward the west. A drainage ditch was cut from the southern end of the drain toward the south.

On Monday, July 8, 2013, Cannon was called to the Ashmore Avenue site to observe linear cracking in the surface of the crushed stone starting near the middle of the repair area and trending south-southwest. Maximum crack width was about 1 inch at a location approximately 4 feet east of the centerline and 30 to 40 feet north of the power pole located near the south end of the repair area. No vertical displacement was visually evident. The areas downslope from the cracks were checked for seepage, soft zones, visible changes in the ground surface (scarps, slumps, or other features) and none were observed. Upslope from the cracks, surface water from rainfall which had occurred over the weekend was flowing toward the west and south. About 2 to 3 inches of rock had washed through the grate into the corrugated drain pipe. Standing water was observed in the drainage ditch. Observation of surface flow indicated water was entering the ditch but appeared to be infiltrating vertically near a water line. Based on our observations, and especially with the absence of apparent vertical offset across the cracks, we conclude that the cracking is probably a surface expression of settlement (consolidation) of the clay soils beneath the areas where the deepest rock fill was placed. The rock fill could be on the order of 20 percent heavier than the soil it replaced. Without knowing the strength and other characteristics of the underlying soil, we cannot be certain this is consolidation, but that explanation appears most plausible at this time.

To check the stability of the area, Cannon installed four monitoring stations, each consisting of two spikes located on opposite sides of the crack. The spikes were each marked with a point to allow repeatable accuracy of horizontal measurements. When spikes were set, a 2-foot level was utilized to provide a level reading from spike to spike. Initial readings were made at the time of installation. Between July 10 and 15, three additional readings were made:

| Monitor Station | Location | Relative Vertical Position | Horizontal Distance Between Points | | | |
|---|---|---|---|---|---|---|
| | | | 7/8/13 | 7/10/13 | 7/11/13 | 7/15/13 |
| 1 | 42 ft N of power pole | Level (all readings) | 9 ½" | 9 ½" | 9 ½" | 9 ½" |
| 2 | 32 ft N of power pole | Level (all readings) | 13 ½" | 13 ½" | 13 ½" | 13 ½" |
| 3 | 27 ft N of power pole | Level (all readings) | 13 ½" | 13 ½" | 13 ½" | 13 ½" |
| 4 | 5 ft N of power pole | Level (all readings) | 12" | 12" | 12" | 12" |

The magnitude of difference in readings was consistent with our previous conclusions, especially in view of the closure of cracks both north and south of the monitor station locations.

All parties should be aware that the present construction was undertaken to provide a repair that would provide more stability than leveling with additional asphalt or shallow improvement of the subgrade. The earth materials that were exposed in the excavation bottom were stiff and appeared to be stable. However, no exploration below the depth of excavation was performed. Latent conditions could indicate a geologic or

construction condition that would provide further insight into the mechanisms responsible for ground movement. The flow of surface and subsurface water in the area appears to have been a factor, and was one reason fabric was used to wrap the shot rock, effectively creating a subsurface drain buttressing the soils underlying the northbound lane of Ashmore Avenue. Subsequent to cracking of the stone, the City of Red Bank lined the north inlet of the driveway drain, the south outlet, and the drainage ditch with concrete, which should greatly reduce the potential for infiltration of surface water from the east, especially over the southern half of the repair area.

If additional significant ground movement were to take place, we would recommend drilling exploratory borings to clearly define subsurface conditions, installing slope inclinometers to allow monitoring of ground movement and location of the vertical zone of movement, and laboratory testing of soils to provide input for slope stability analyses. Without such information, long term stabilization of such an area may be achieved by installation of a buttress fill extending from the existing toe of the slope up to the level of the west shoulder of Ashmore Avenue.

Repair of any area of ground movement involves a risk of recurrence. The uncertainty associated with remedial construction can be reduced by subsurface investigation, laboratory testing of natural soils and fill materials, collecting data documenting ground movement prior to the repair, and computer modeling of slope stability utilizing data collected during these activities. Even then, the long term stability of a slope repair cannot be guaranteed. The present repair to Ashmore Avenue was performed in a manner consistent with acceptable local standards for this type repair, but we cannot guarantee there will be no further movement.

We appreciate the opportunity to provide this report. No guarantee of the stability of the slope repair described above is provided, express or implied. If questions arise, or we may be of further service, please feel free to contact me at 423-710-4186 or johndcannon@comcast.net
Sincerely,

**CANNON GEOTECHNICAL, LLC**

John D. Cannon, P.E.
Principal / Geotechnical Engineer
Tennessee Reg. No. 20106

Ashmore Ave

Ashmore Ave