

Jersey Village

Parks Master Plan 2020-2030



CITY OF Jersey Village, TEXAS

Parks Master Plan 2020

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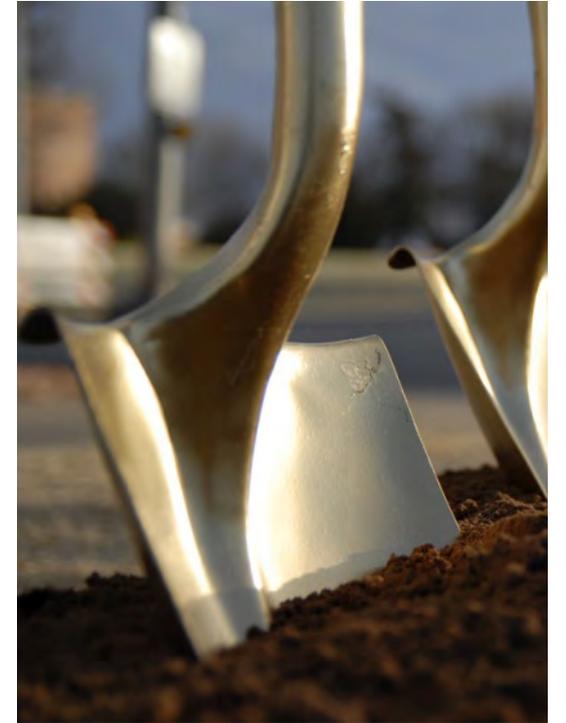
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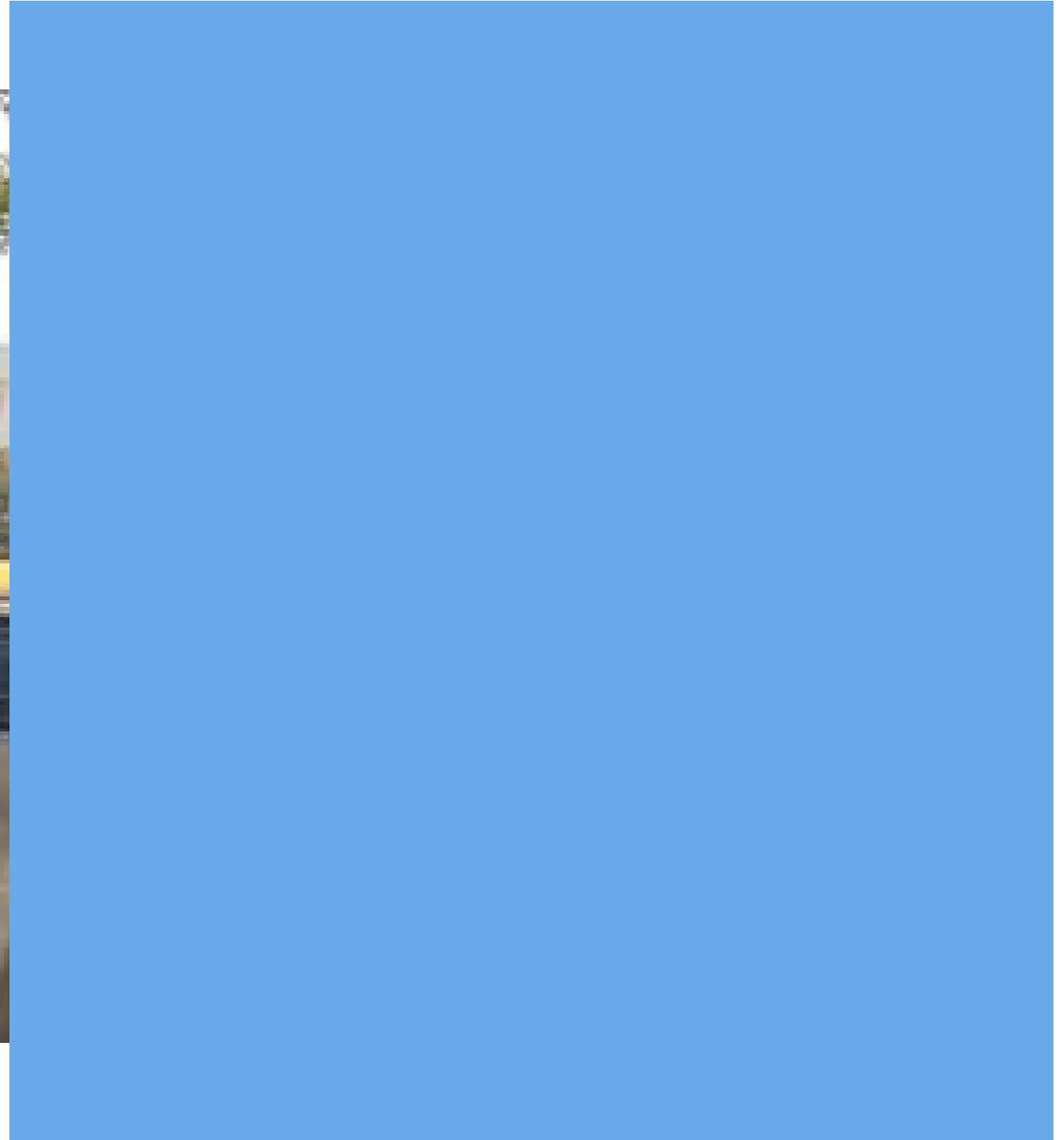


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INTRODUCTION | VISION



Planning Process
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EXECUTIVE SUMMARY

Introduction

The City of Jersey Village's *Parks and Recreation Master Plan* is a working document that serves as a guide for improvements to the City's parks system. This plan seeks to address the need to continue to provide the parks and recreation facilities and programs that have made Jersey Village such a desirable place to live. Additionally, this plan should identify opportunities to enhance public space for events, connectivity and overall quality of life.

The Planning Process

This plan is designed as a tool to assist City Staff and Elected Officials in providing the community with the parks, facilities, and programs they want and need. This plan takes inventory of existing parks and facilities provided by the City, as well as those provided by other public entities, private organizations, and private service providers.

Upon completion of the inventory, a series of studies and outreach efforts are conducted to identify the current recreation behaviors and trends in Jersey Village, and what types of parks and facilities are desired by residents. These needs are then compiled into a list of Potential Projects for consideration.

The Potential Projects are proposed capital improvements for the community that provide recreation and public space opportunities based on priorities identified through stakeholder involvement, national and local standards and trends, and available resources such as land, funding, partnership opportunities. Each Potential Project is developed into a concept drawing that illustrates the vision for the park or facility, and is accompanied by an Opinion of Probable Cost (OPC) for design and construction.

Planning Strategies

The City of Jersey Village *Comprehensive Plan 2016* identifies parks, recreation and green space as key components to the overall livability and quality of life for residents and visitors in Jersey Village. The following park, recreation, and open space goal and strategies established in the Comprehensive Plan have been adopted for this plan document:

Goal:

Enhance and Expand Parks, Open Spaces, Trails, and Recreational Opportunities and Experiences

Strategies:

- Explore expanded recreational opportunities.
- Update existing parks and open spaces.
- Develop strategic partnerships among schools, community groups, businesses, and individuals in order to maximize resources and opportunities.
- Encourage programs and events that engage the community.
- Improve maintenance of parks and open spaces.
- Increase community connectivity.

Methodology

The Parks and Recreation Master Plan was developed using a three-fold technique that follows general methodologies accepted by TPWD for local park master plans and by the Department of the Interior for local park system Recovery Action Plans (RAP). The following approaches were implemented:

1. Standard-Based Approach – uses standards established by the City to determine the quantity of park facilities required to meet the City's needs a given population. Standards are usually expressed as the quantity of park facilities needed to adequately serve every 1,000 citizens of the City.

Standards are established to provide the level of service that the City believes is most responsive to the amount of use and interests of its citizens. This plan establishes individual standards for the City.

As national guidelines and standards are based on demographic trends rather than specific local desires, they must be fine-tuned to meet local conditions. It is important to recognize that national standards are simply guidelines or benchmarks that are intended to serve as a starting point for park planning. Each city has its own unique geographic, demographic, and socio-economic composition, and as such, plan recommendations must consider local needs and demand.

2. Demand-Based Approach – uses public meetings, participation rates, and surveys to determine how much the population uses and desires certain types of recreation facilities.

3. Resource-Based Approach – is based on the usefulness of available physical resources to provide recreation opportunities. For example, the City’s street rights-of-way, floodplains, and drainage corridors provide opportunities for trail connections.

All three methods are important in their own manner, but individually do not represent the entire picture. The assessment component of the project utilizes all three methods to determine what types of recreation facilities and park requirements are needed.

Typical assessments evaluate Level of Service (LOS). While this is important, we believe it is also critical to also understand and evaluate the Quality of Service. Quality of Service evaluation requires intense community involvement and yields critical information of how the facility or park amenity is performing according to the expectations of citizens overall. Quality of Service is most easily identified through conversation. Engaging park users is the most direct method of understanding the user experience for a given facility.

Inventory and Analysis

The inventory phase includes inspection of the City’s existing parks and recreation facilities to determine overall condition, maintenance needs, and opportunities for additions/improvements. Observations of site, equipment and facility conditions are noted.

In addition to the City’s facilities, recreational facilities provided by other entities are noted to identify service gaps, duplication of service and to gather a complete picture of recreation in Jersey Village.

Summary of Priorities

To prioritize recreation needs for the City of Jersey Village, the planning team evaluated standards and trends in the regions, stakeholder input from an online survey, staff input, elected leadership, and the Recreation and Events Committee. This information was used to identify potential projects for consideration. These potential projects include improvements to existing parks and facilities and opportunities for additions to the parks system. The following findings have supported these recommendations:

Level of Service:

- 79.1% of residents live within a 10-minute walk of a park.
- Significant service gaps in achieving the goal of having everyone live within a 10-minute walk of a park are found in the northwest portion of the City, west of Jones Road.

- Jersey Village provides 6.51 acres of park land per 1,000 residents. The National Recreation and Park Association (NRPA) recommends cities to maintain at least 6.5 to 10.5 acres per 1,000 residents, with the typical agency across the Nation offering 9.9 acres per 1,000 residents.
- The top five recreation amenities provided by other entities in and around Jersey Village include: 1. Trails, 2. Baseball/Softball Fields, 3. Soccer/Football Fields, 4. Indoor Basketball, and 5. Event Space.

Online Survey Findings:

- The online survey reveals that Facebook (46% of respondents) is the most popular way that residents hear about parks and recreation events and activities in Jersey Village.
- The survey reveals that the majority of respondents were 35 years old or more, with the following participation: 35 to 54 years (46%), 55 to 64 years (20%), and 65+ years (20%).
- The top five most desired outdoor activities are: 1. Trails, 2. Natural Areas, 3. Restrooms, 4. Shaded Seating, and 5. Event Space.
- The top five most desired indoor activities are: 1. Fitness Equipment, 2. Multi-Use Classrooms, 3. Banquet Hall, 4. Indoor Track, and 5. Indoor Basketball.

Potential Projects Identified:

- Improvements to Carol Fox Park
- Improvements to Clark Henry Park
- Improvements to Jersey Village Dog Park
- Improvements to St. John Park
- Improvements to De Lozier Park
- New Neighborhood Park on Pleasant Colony Drive
- Outdoor Classroom at Philippine Park
- New Passive Open Space Park
- Trailhead at Welwyn Park
- Trails along Bayous
- Recreation at the Civic Center



Jersey Village Today



City Profile
Growth Trends
Trends in Recreation

CITY PROFILE

The Jersey Village is a small community located on the northwest side of the Houston Metropolitan Area, conveniently close to important economic centers in and around Houston while preserving a small town atmosphere. The City is primarily composed of single family residential development and two commercial corridors on the south and west side of town along Jones Rd. and US 290. In March 2019, a master plan for the Village Center was adopted that envisions a new town center with mixed use commercial, residential and a new City Hall on the south side of US 290 Highway.

Jersey Village has experienced moderate population growth in last ten years with an estimated population of 8,017 in 2020. The 2016 Comprehensive Plan reports that 92% of land in Jersey Village is built out, with limited room for expansion.

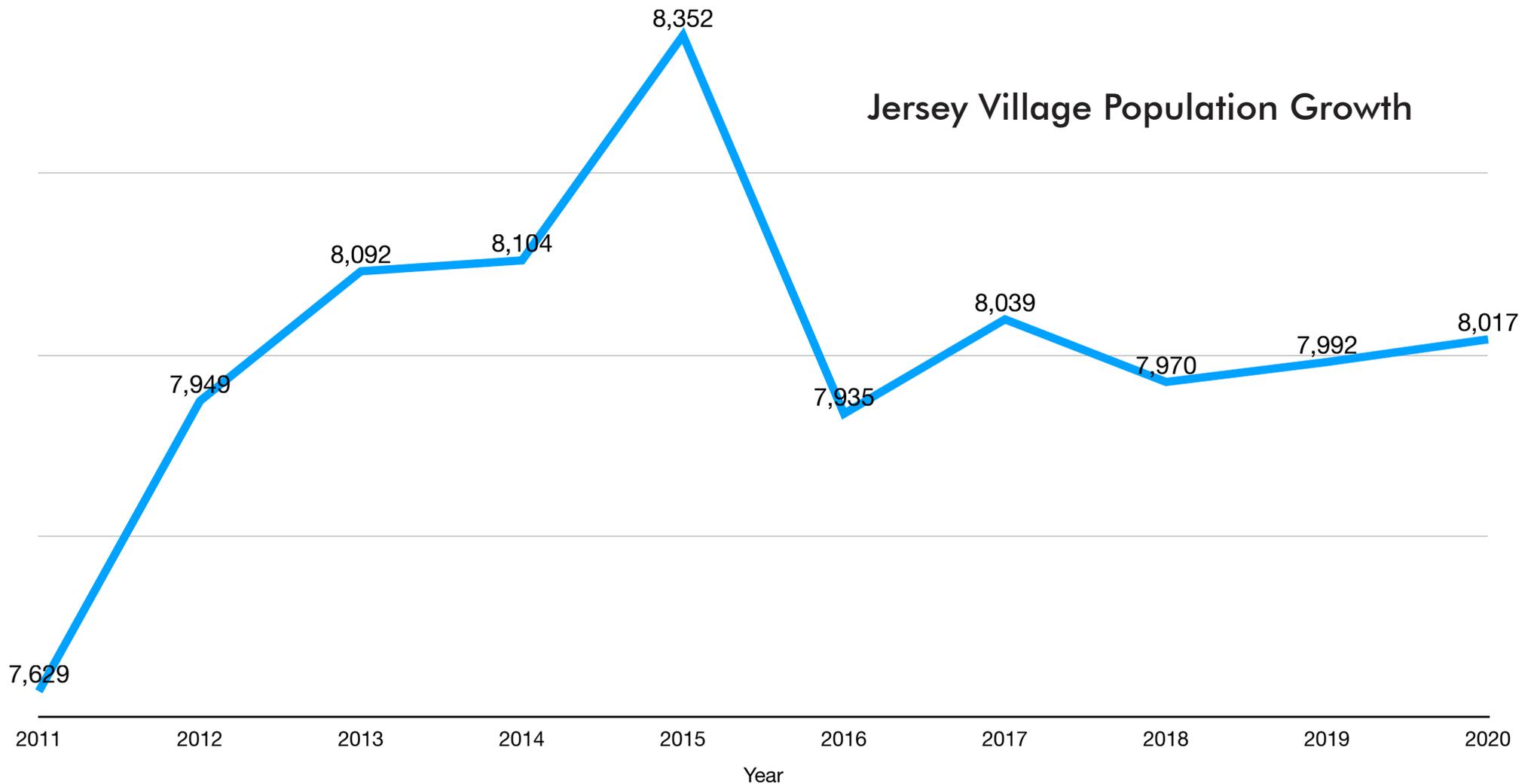
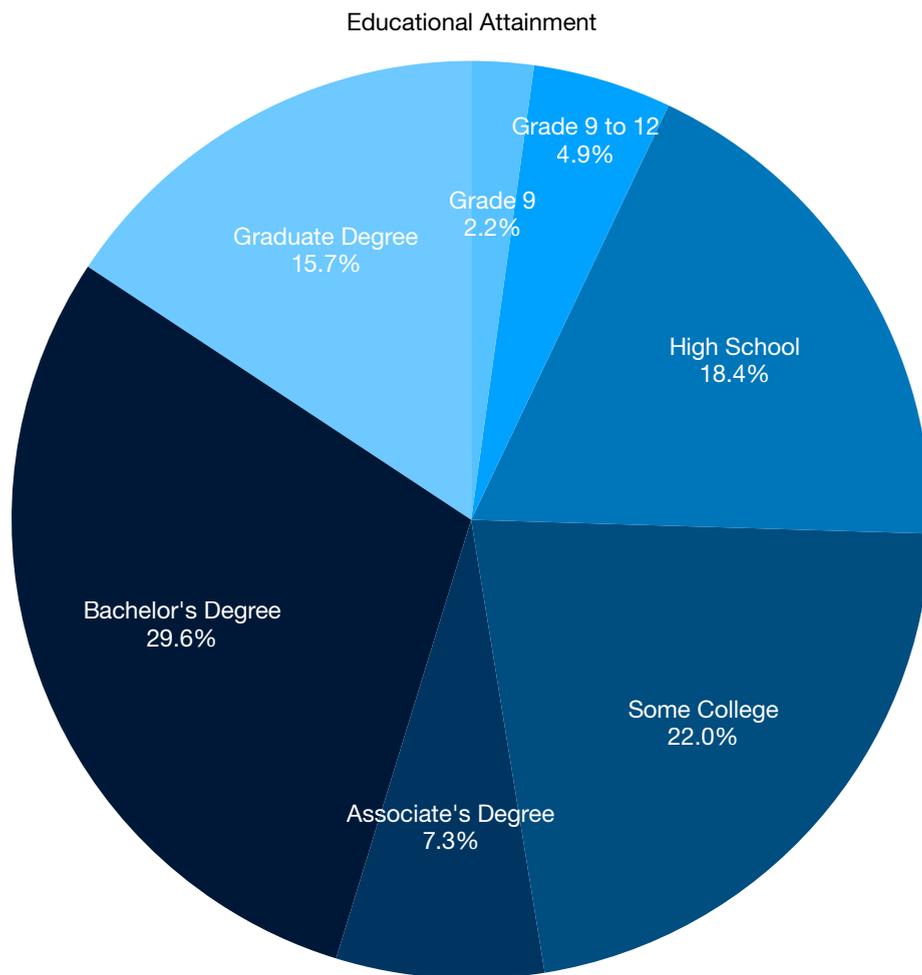


Figure 1: Population change in Jersey Village. Data Source: Applied Geographic Solutions and GIS Planning 2019.

COMMUNITY PROFILE



Educational attainment for adults in Jersey Village is remarkable with 52.56% of adults achieving an Associates Degree or higher, compared to a Statewide total of 38.3%.

The distribution of ages in Jersey Villages is fairly balanced with a slightly larger proportion of residents in the 65+ age group. With an aging population from the 'Baby Boomer' generation, it will be important to consider the recreational needs for these residents and insure they are included in programming of parks, facilities, and activities.

Figure 2. Educational attainment for adults in Jersey Village. Data Source: Applied Geographic Solutions and GIS Planning 2019, Statista.com 2020

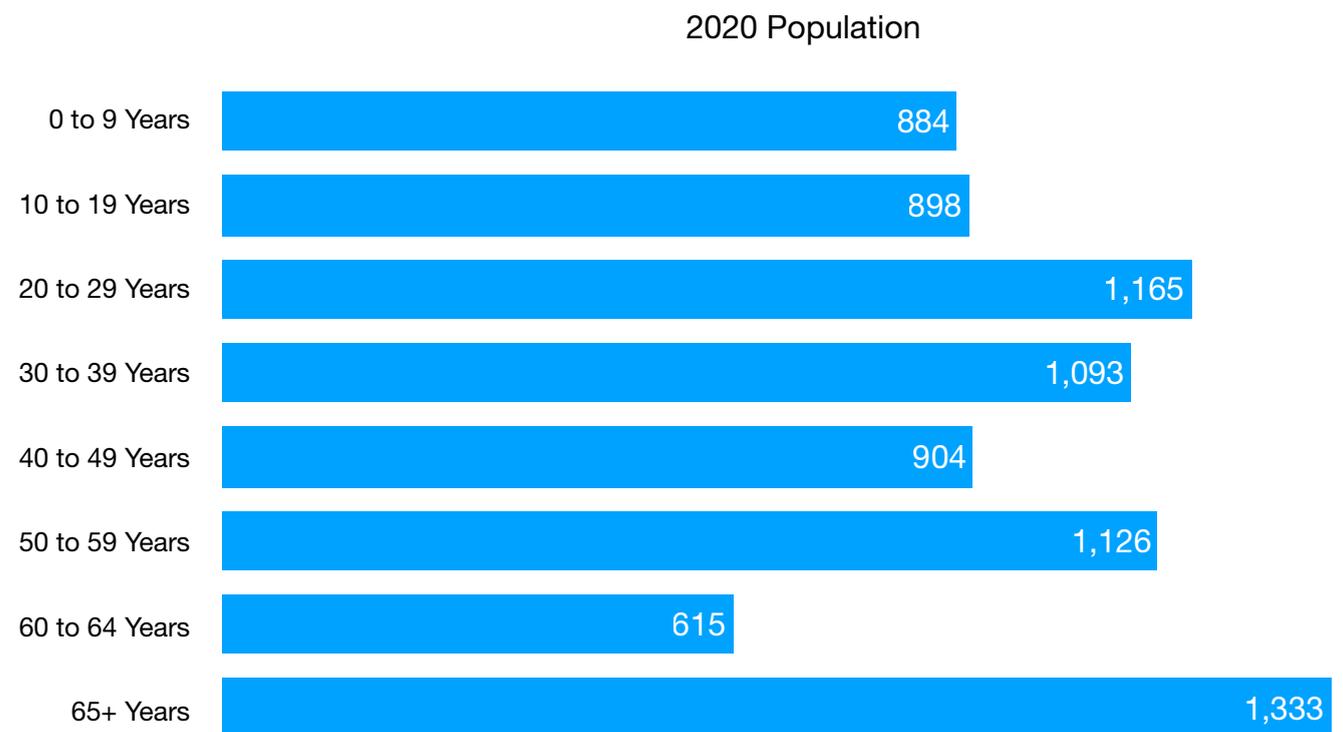


Figure 3. Age distribution in Jersey Village. Data Source: Applied Geographic Solutions and GIS Planning 2019

City Projects

Village Center

The City has revealed a plan for the proposed Village Center, a mixed-use development including multi-family housing, retail, restaurants, a hotel and a new City Hall with open space. The project site is approximately 43 acres on the south side of the intersection of US Highway 290 and Jones Road. The project is a partnership between the City and developer Collaborate Special Projects, LLC. It is expected to become an economic engine for Jersey Village. The Village Center will provide green space, pedestrian access and anticipates a connection with a future commuter rail station. The City has created a Tax Increment Reinvestment Zone at the Village Center and its surrounding area, which will use the increased property tax in the zone to reinvest into the infrastructure and other improvements. The project is expected to be completed in three to four years and have the possibility for expansion in the future.

The new Village Center will be a gathering space for residents visitors, providing choices for entertainment and recreation as well as increasing the quality of life. .



Figure 4. Master plan illustration for the future Village Center development. Source: Collaborate Special Projects, LLC.



Figure 5. Rendered concept for open space at the Village Center development. Source: Collaborate Special Projects, LLC.



Figure 6. Rendered concept for the proposed City Hall at the Village Center development. Source: Collaborate Special Projects, LLC.

City Projects

Gateway and Wayfinding

In February 2018, the City adopted a Gateways and Wayfinding Master Plan to create a sense of place in the City. The master plan proposed major gateways, primary gateways, secondary gateways as well as design concepts for signage and wayfinding. The proposed locations include major roadway entrances to the City, and to the proposed Village Center. The City has dedicated 2 million dollars through 2019 and 2020 to construct the gateways and wayfinding signage. The integrated gateway and signage will enhance the character and identify of the City.



Figure 7. Monument concepts from the Gateways and Wayfinding Master Plan. Source: Clark Condon.



Figure 6. Wayfinding concepts from the Gateways and Wayfinding Master Plan. Source: Clark Condon.



Parks Today



Park Inventory
Level Of Service Analysis
10-Minute Walk Analysis
Recreation Sources in the Region
League Sports and Recreation Programs
Community Events

Park Inventory

Jersey Village currently has eight city-owned parks and open spaces with a total of 53 acres of park land. The Jersey Village Nature Preserve and Dog Park, Carol Fox Park, and Clark Henry Park are the primary parks with developed amenities that serve recreation needs for residents. The remaining parks and open space are less than one acre in size and distributed throughout the community

The Jersey Village park system has a total of 2.48 miles of trails for recreation. Sidewalks are available throughout the community as well, which provide additional recreation and connectivity, but were not counted in the total trail mileage.

Table 1. Inventory of park amenities..

Park Name	Address	Acreage	Park Classification	Trail (miles)	Drinking Fountain	Benches	Swingset	Basketball Court	Playgrounds	Picnic Areas	Gazebo / Pavilion	Sandbox	Pool	Splash Pad	Restrooms	Backstops	Soccer Practice Field	Pet Waste Stations	Trash Cans	Dog Play Structure
Jersey Meadow Nature Trail & Dog Park	Jersey Meadow Drive, Jersey Village, TX 77064	41.73	Community Park	1.13	X	X												X	X	X
Country Club Park	Country Club Ct.	0.29	Mini Park			X														
De Lozier Park	De Lozier St. & Rio Grande St.	0.49	Mini Park			X														
St John Park	St. John Ct	0.29	Mini Park			X														
Carol Fox Park	15913-15977 Jersey Dr, Jersey Village, TX 77040	1.41	Neighborhood Park	0.23		X	X		X	X	X	X								
Welwyn Drive Park	Welwyn Drive, Jersey Village, TX 77040	0.39	Mini Park			X	X			X	X									
Philippine Park	Equador St. & Philippine St.	1.68	Neighborhood Park	0.21		X					X									
Clark Henry Park	Equador St, Jersey Village, TX 77040	7.35	Neighborhood Park	0.91	X	X	X	X	X	X	X	X	X	X	X	X	X			
		53.65		2.48																

Jersey Village Parks System



Figure 9. Map of existing city parks.

Jersey Meadow Nature Trail and Dog Park

Due to a number of flood events over the years, the Harris County Flood Control District, in partnership with Harris County Precinct 4 and the City of Jersey Village, established a stormwater detention basin in 2014 to manage stormwater flows within the watershed. While most flood control basins in Harris County do not retain water, the 42-acre facility in Jersey Village contains “a permanent wet-bottom basin with wetlands that naturally filter stormwater and provide natural habitat to wildlife”. The wetland is surrounded by a 1.1 mile perimeter recreation trail. The facility includes a small bird nesting area on an island, for migratory waterfowl. The sustainability and recreational functions of this facility earned an award from the Houston Galveston Area Council of Governments for Project of the Year. The West Houston Association awarded the facility the Sustainability Stars award in 2017. Meanwhile, the park has become one of the most popular parks in the City.

Taking advantage of an attractive landscape, the City decided to build a dog park on the high bank of the southeast corner of the property. The Jersey Village Dog Park includes separate large dog and small dog areas and was completed in 2019. This park also features a 1.1-mile perimeter trail around the pond. The wetland area is habitat for fish and wildlife such as migratory waterfowl. Most of the amenities are within the dog park and in excellent condition. Available amenities are as follows:

- Wetland
- Decomposed granite trail
- Benches
- Drinking fountain for humans and dogs
- Dog waste stations
- Agility and play structures
- Parking



Figures 10-13. Views of the detention basin and Dog Park.



Figure 14. Aerial view of the detention basin.

Clark Henry Park

Clark Henry Park is the second largest park in Jersey Village, encompassing more than 7 acres of land. The park is located at the southeast corner of Jersey Village adjacent to Post Elementary School. The park is home to the City pool and splash pad, Jersey Village Hike and Bike Trail, and a covered basketball court. The playgrounds and soccer and baseball practice fields are highly utilized by students from Post Elementary School as well as residents. This park is currently home to most of the outdoor community events in Jersey Village, taking advantage of the covered basketball court and ample open space. Available amenities are as follows:

- Splash pad
- Swimming pool
- Covered basketball court
- Restroom
- Drinking fountain
- Picnic tables
- Playgrounds
- Swingsets
- Benches
- Backstops
- Soccer practice field
- Hike and Bike Trail



Figures 15-19. Views of amenities at Clark Henry Park.



Figure 20. Aerial view of Clark Henry Park.

Carol Fox Park

Carol Fox park is a 1.4-acre neighborhood park located in the center of the community. This park attracts children with it's unique play structures, with a variety of play structures to suit to all ages.

The park was renovated in 1992, with the help of 400 volunteers from Jersey Village. A total of 263 families contributed \$50 each and left their hand and footprints on the concrete pathways along with their best wishes and vision for the park. The design of the park amenities was inspired by input from children who were invited to illustrate their vision for the park. This park has been a great success and shows the value of community involvement. Available amenities are as follows:

- Playgrounds
- Swingset
- Sandbox
- Hill playground
- Picnic Area
- Gazebo
- Sand Volleyball Court



*Figures 21-25.
Amenities at Carol
Fox Park.*



Figure 21. Aerial view of Carol Fox Park.

Philippine Park

Philippine Park is located north of Clark Henry Park, immediately across White Oak Bayou from the City Pool. A pedestrian bridge connects with Clark Henry Park and the Jersey Village Hike and Bike Trail. This area has many trees and serves as a passive park with amenities such as a gazebo, sidewalks, and benches. This park is next door to the Village Learning Center, a day care facility. Available amenities are as follows:

- Gazebo
- Bench
- Trail
- Birdhouse

Figures 22,23. Existing gazebo and bench at Philippine Park.



Figures 24. Passive open space and at trail at Philippine Park.



Figures 25. Open space at Philippine Park.



Gazebo and Benches

Village Learning Center

Figure 26. Aerial view of Philippine Park.

Mini Parks

Country Club Park

Located at Country Club Court and Rio Grande Street, adjacent to the Jersey Meadow Golf Course, this mini-park offers a 0.29 acre shady spot to relax on an island within the cul-de-sac. Benches are provided for visitors.

De Lozier Park

This park takes advantage of a 0.49-acre island of open space at the intersection of De Lozier St. and Rio Grande St. De Lozier Park is located across street of the Champion Forest Baptist Church Park, where a variety of amenities are offered. The open space is used as a gathering spot for local residents for block parties and similar events. During the Christmas season, the space is decorated with lights and ornaments.

St. John Park

Similar to Country Club Park, St John Park consists of a small island within a cul-de-sac. This 0.29 acre open space provides shade trees and a bench for residents to enjoy.

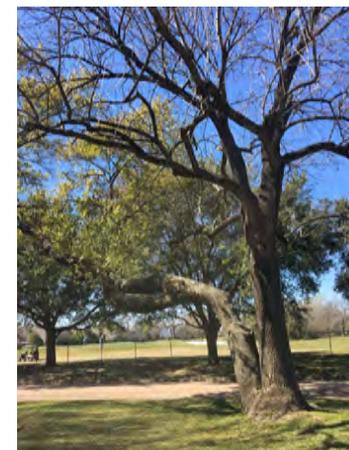


Figure 27. Views of Country Club Park.



Figure 28. Views of De Lozier Park.

Figure 29. Views of St. John Park.

Level of Service Analysis

The purpose of a level of service (LOS) analysis is to determine how well the existing City of Jersey Village Parks and Recreation system is meeting the needs of City residents. According to the National Recreation and Parks Association (NRPA), the basic definition of LOS is expressed as an allocation mechanism for the delivery of park and recreation facilities throughout a community. By adopting LOS standards, a community in essence says that all residents, regardless if they pay taxes or use the parks and recreation facilities, have equal opportunity to share in the basic services in the standards.

Park Land

The City of Jersey Village has a total of approximately 53.65 acres land dedicated to parks and open space through out the city. This does not include the 108 acre City-operated Jersey Meadow Golf Course. Park land is typically measured in terms of ‘developed park land’, which generally includes all maintained parks and open space. This allows a community to compare their total park land to that of comparable communities.

Source: Acreage values sourced from municipal park master plans

	Residents per park	Park Acreage per 1,000 residents	Population	Number of parks
National Median of Jurisdictions with a Population of Less than 20,000*	1,231	11.80		
Jersey Village, TX	1,030	6.51	8,240	8
Tomball, TX	1,680	6.48	11,762	7
Seabrook, TX	681	48.14	14,291	21
Jacinto City, TX	3,542	2.23	10,625	3
Katy, TX	2,402	3.55	19,216	8
Pleasanton, TX	3,585	10.12	10,754	3
Sealy, TX	1,308	13.22	6,538	5
Bellaire, TX	1,355	2.43	18,966	14
Fulshear, TX	5,995	2.25	11,990	2
Pleasanton, TX	3,585	10.12	10,754	3
Brenham, TX	2,457	6.52	17,198	7
Boerne, TX	1,555	21.72	17,106	11

Table 2. Comparison of park level of service by acreage per 1,000 residents. Source: 2019 NRPA Agency Performance Review.

The National Recreation and Parks Association (NRPA) has conducted surveys of park agencies across the country to depict the condition of parks level of service. The survey results from NRPA measure “Residents per Park” and “Park Acreage per 1,000 residents”. The 2019 NRPA Agency Performance Review reports a national median of 11.1 acres for jurisdictions with a population of less than 20,000. To meet this standard, Jersey Village would need to acquire an additional 37.8 acres of park land.

Another popular method is to measure park land acreage as percentage of city area. The Trust for Public Land’s 2019 City Park Facts indicates that the medium to low-density cities have an average of 8.3% of a city’s total area in park land. Jersey Village’s park land is 3% of the city area. This number is in a medium range as compared with similar density cities in Texas.

Park Facilities

NRPA measures also measures the number of residents served by a population size. The table on the right compares parks and recreation facilities in Jersey Village with

Source: Acreage values sourced from municipal park master plans

	Parkland as percent of city area	Parkland Acreage	City Limits Acreage
National Median for Medium to Low-Density Cities*	8.30%		
Jersey Village, TX	3.0%	53.65	2240
Pflugerville, TX	16.2%	1171.3	7,232
Roundrock, TX	9.9%	2270	22,976
Sugar Land, TX	8.2%	2,233.9	27,405
Cedar Park, TX	6.5%	927	14,330
Missouri City, TX	5.5%	1060.6	19,450
Huntsville	4.4%	1018.88	23,232
Georgetown, TX	3.9%	1360.21	34,752
Friendswood, TX	2.7%	365	13,376
Leander, TX	2.2%	513.84	23,709
Rosenberg, TX	2.0%	469.62	23,576
Tomball, TX	1%	76.16	7,616
Texas City, TX	0.9%	1011.24	118,784
Rockwall	0.7%	997	144,464
Fulshear, TX	0.4%	28.24	7,065

Table 3. Comparison of park level of service as a percent of city area.

the national median for cities with densities between 1,500 to 2,500 residents/ Square Mile.

Some types of facilities (such as recreation centers) are often only found in larger cities, therefore the table does not imply that Jersey Village has a deficit due to a lack of a given facility.

The existing Jersey Village Civic Center is serving the community not only as the City Council Chambers, but also as a place for public and private events. The City does not have a designated event venue such as an amphitheater, instead most events area held in the covered basketball court in Clark Henry park.

The planned Village Center will include a new City Hall, as well as an amphitheater for community events. With the relocation of City Hall and Council Chambers, the existing Civic Center and surrounding could be re-purposed for recreation uses such as indoor recreation or green space.

		National Median number of Residents per Facilities*	Residents per Facilities in Jersey Village	Number of facilities Owned by the City
Outdoor	Playgrounds	3,163	1,177	7
	Basketball courts	5,971	8,240	1
	Tennis courts (outdoor only)	4,296		0
	Diamond fields: baseball - youth	6,597	4,120	2
	Diamond fields: softball fields - adult	12,527		0
	Rectangular fields: multi-purpose	7,469	8,240	1
	Diamond fields: softball fields – youth	11,917		0
	Dog park	47,000	8,240	1
	Diamond fields: baseball - adult	20,033		0
	Swimming pools (outdoor only)	34,035	8,240	1
	Tot lots	14,000		
	Rectangular fields: soccer field – youth	7,000	8,240	1
	Community gardens	34,170		0
	Rectangular fields: soccer field - adult	13,173		0
	Rectangular fields: football field	25,320		0
	Skate park	44,000		0
	Multi-purpose synthetic field	41,938		0
	Indoor	Community centers	28,987	8,240
Recreation centers (including gyms and fitness centers)		31,539		0
Senior centers		62,053		0
Performance amphitheater		46,000		0
Nature centers		75,021		0

Table 4. Park amenity level of service compared to national median of residents per facility. Park facility median for cities with densities between 1,500 to 2,500 residents/square mile. Source: 2019 NRP1 Agency Performance Review.

10 Minute Walk Analysis

A Park Within a 10 Minute Walk from Home

A collaborative effort between The Trust for Public Land, the Urban Land Institute, and the National Recreation and Park Association initiated a campaign called “10 minute Walk” with a goal to “ensure there’s a park within a 10 minute walk of every person, in every neighborhood, in every City across America”. The movement challenges mayors to make a commitment to achieving this goal in their communities. Cities can join the movement by signing up online at 10minutewalk.org.

To understand where Jersey Village currently measures against the “10 Minute Walk” test, an analysis was conducted using Geographic Information Systems (GIS) software to calculate the proximity of households to parks in the City, both public parks and private. Rather than using a simple circular radius, the analysis considers only the practical means of walking to the park along existing roads, which have sidewalks in most cases. This provides a more meaningful illustration of where service gaps exist in the parks system.

According to the most recent data from Parkserve™, the 10 Minute Walk database from the Trust for Public Land (TPL), Jersey Village has 80.2% (6,771 residents) of the population living within a 10 minute walk to a park, and 19.8% of residents living further away. Comparing with other cities in Texas, Jersey Village has significant park coverage. The TPL data is based on the ESRI Demographic Forecast Block Groups data.

The map on the following page illustrates the areas of the community within a 10 minute walk of a park in green. The red circles highlight residential areas that are not within that distance and are known as ‘service gaps’. Where opportunities are available, these are target areas to consider for development of parks if land is available. This visualization was conducted using ESRI’s ArcGIS Online platform to perform the ‘proximity analysis’. The analysis only considers public parks, and proximity is measured as a distance along streets to park access points.

City Name	Population within a 10 minute Walk to a park	Number of Residents living within a 10 minute walk to a park
Jersey Village, TX	80.2%	6,771
Bellaire, TX	79.6%	13,786
Cedar Park, TX	79.0%	52,513
Deer Park, TX	71.2%	24,929
Huntsville, TX	65.0%	27,132
Seabrook, TX	59.5%	8,475
Texas City, TX	58.8%	32,135
La Porte, TX	55.3%	19,538
Brenham, TX	48.4%	8,213
Leander, TX	53.8%	22,919
Georgetown, TX	52.7%	32,895
Jacinto City, TX	47.9%	5,261
Missouri City, TX	45.9%	38,831
Baytown, TX	45.7%	18,641
Katy, TX	39.5%	6,764
Sugar Land, TX	37.8%	34,750
New Braunfels, TX	34.3%	28,035
Alvin, TX	31.8%	8,899
Rosenberg, TX	30.5%	11,785
Pearland, TX	23.5%	28,525
Boerne, TX	61.4%	11,277

Table 5. Comparison of Texas cities’ 10 minute walk level of service. Source: Parkserve™ by the Trust for Public Land, <https://www.tpl.org/city/jersey-village-texas>

10 Minute Walk Analysis

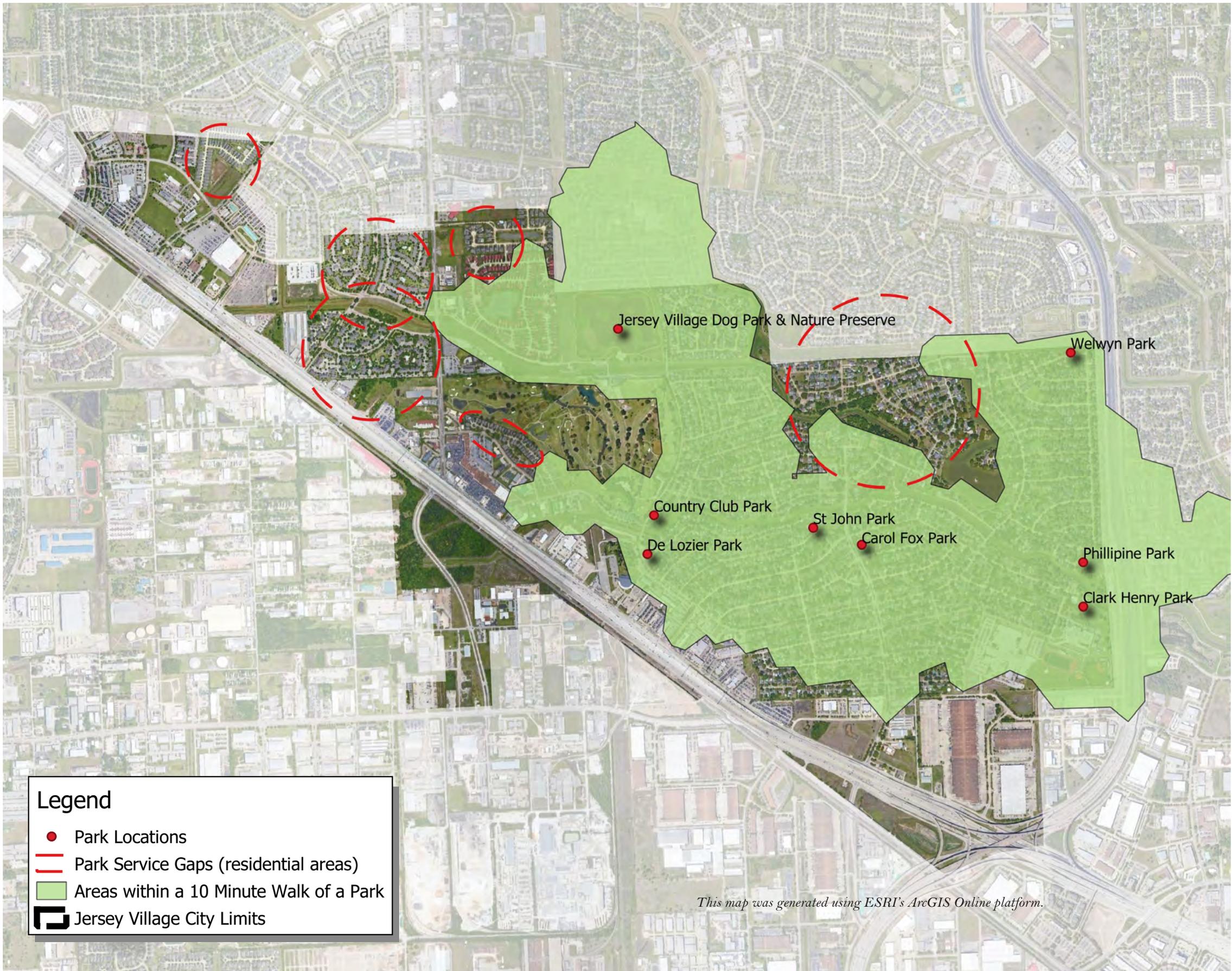


Figure 30. Analysis of areas in Jersey Village within a 10 minute walk of a park. Circled in red are residential areas not within a 10 minute walk of a City park.

Who lives Within a 10 Minute Walk of a Park?

The Trust for Public Land’s Parkserve™ tool utilizes available data for park inventories and the U.S. Census estimates to explore the level of service for a community’s parks system.

The graphics below indicate the percentage of residents living within a 10 minute walk of a park. The majority of residents live in close proximity to a park. Generally, all age groups were similarly distributed, with Seniors (age 65+) having a slightly higher number of residents living further than 10 minutes from a park (23%).

When evaluated from the perspective of household income, the distribution of households within a 10 minute walk of a park is almost identical to that of age groups. This is indicative of a relatively balanced distribution of income across the community. The service gaps identified in this analysis are likely the result of development patterns over time and available land for park development.

10 Minute Walk Analysis by Age

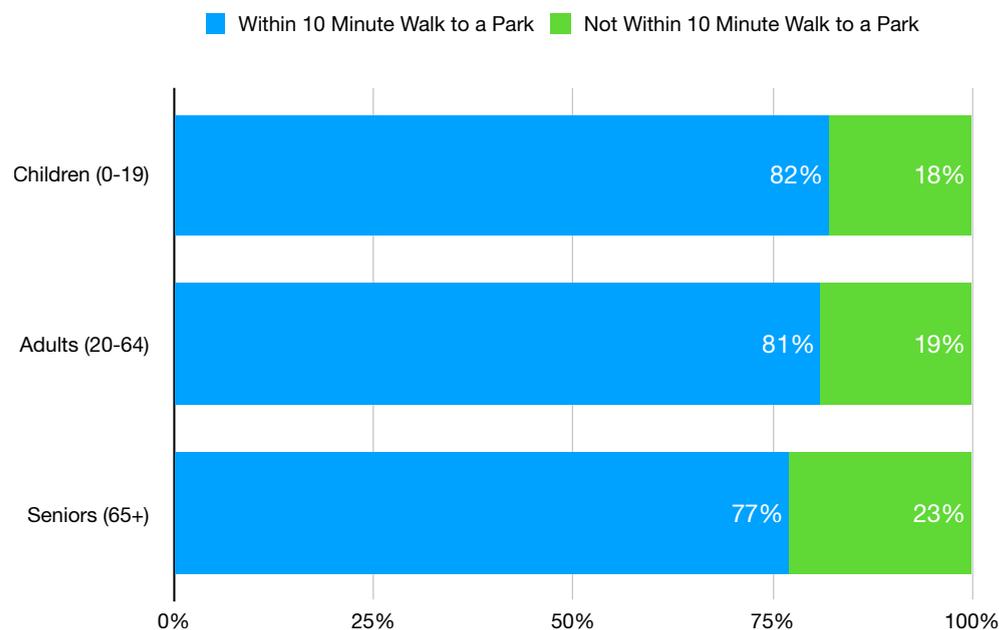


Figure 31. Distribution of Jersey Village residents by age that are within a 10 minute walk of a city park. *Source: Parkserve™ by the Trust for Public Land, <https://www.tpl.org/city/jersey-village-texas>

10 Minute Walk Analysis by Income

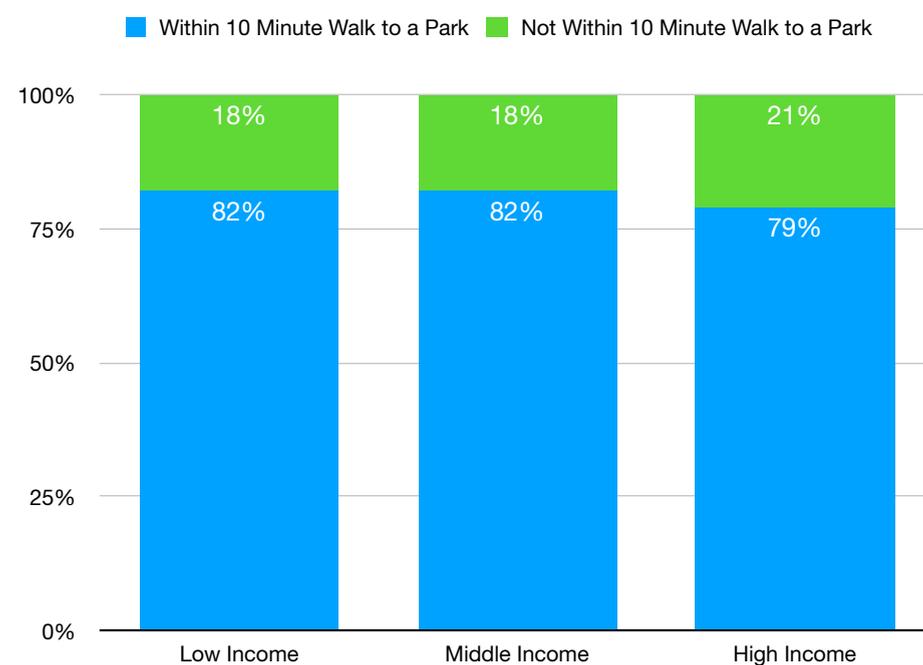


Figure 32. Distribution of Jersey Village residents by income that are within a 10 minute walk of a park. *Source: Parkserve™ by the Trust for Public Land, <https://www.tpl.org/city/jersey-village-texas>

Commit to a 10 Minute Walk Campaign

The “10 minute Walk” Campaign provides funding, marketing and technical support for cities to succeed. Comparing with the NRPA’s “10 minute walk” grantees, who committed to strive to be a 10 Minute Walk City, Jersey Village is in a competitive place (see table at right), with its current status of 79.1% population living within the 10 minute walk area. As a livable community in the Houston Metropolitan area, joining the “10 Minute Walk” Campaign could help Jersey Village to grow and improve it’s park system, and even become an example for the region.

Benefits:

- Ongoing technical assistance from NRPA, TPL, ULI, and additional national and local experts to support local planning efforts.
- Access and technical support for planning and mapping tools such as NRPA’s Park Metrics, TPL’s ParkServe® and Parkology.
- Peer-to-peer support and networking opportunities to share lessons learned and address challenges.
- National visibility through:
 - Articles in Parks and Recreation magazine, Open Space Blog, partner publications, and national press releases.
 - Opportunities to present at national conferences, including the NRPA Annual Conference.

What to do:

The cities interested in creating a commitment should:

- Select an attainable 10 Minute Walk Goal and specific action.
- Develop a measurement strategy that outlines what success looks like and how you’ll track your progress.
- Select a realistic date with-in the next 5 years for completing your commitment.

The Mayor of the City will need to sign a commitment for the campaign to reach the goal of the 10 Minute Walk.

2019 NRPA 10 Minute Walk Grantees	Population in 10 minute walk to park area	Grant Year
Denver, CO	94%	2019
Winooski, VT	82%	2019
Lynnwood, WA	76%	2019
Paterson, NJ	72%	2019
Raleigh, NC	70%	2019
Tacoma, WA	69%	2019
Los Angeles City, CA	61%	2019
Memphis, TN	45%	2019
Bennettsville, SC	28%	2019
West Athens-Westmont	26%	2019
Camden, NJ	94%	2018
New Rochelle, NY	91%	2018
Tukwila, WA	80%	2018
Rochester, NY	78%	2018
Anchorage, AK	74%	2018
Grand Rapids, MI	72%	2018
Clarkston, GA	71%	2018
Lewisville, TX	61%	2018
Orlando, FL	60%	2018
Austin, TX	54%	2018
El Cajon, CA	45%	2018
Chattanooga, TN	36%	2018

Figure 33. 2019 10 Minute Walk Challenge awardees. *Data source: National Recreation And Park Association.

Recreation by Others

An inventory was conducted of the recreation resources provided by entities other than the City of Jersey Village within 20 minute drive from City Hall. This analysis is aiming at mapping out the resources available in the region and providing a reference to identify the gaps in terms of local recreational needs. The inventory is inexhaustive accounting of available recreation resources and providers such as yoga studios, gyms, parks, and more. The analysis captured a total of 109 recreation facilities and more than 24 different types of recreation amenities.

The table at right shows the number of amenities provided by others in the study area. The top 5 amenities are:

- Trails
- Rectangular Field
- Diamond Field
- Indoor Basketball
- Water Park

24 facilities have trails available within the study area. This include all trails within public parks and designated hike and bike trails. "Rectangular fields" and "Diamond Fields" represent fields for soccer, football, lacrosse, baseball, and softball.

"Indoor Basketball" is mostly provided by schools, community centers and private gyms. "Water Parks" include splash pads, and swimming pools that have play structures.

A total of 9 facilities listed as "Others" include recreation amenities that are unique in the study area such as "Outdoor Learning Area", "Roller Skating", "Gymnasium", "Trampoline", "Dodge ball", "video arcade", "Camping ground", "Go-kart Track", "Laser tag", "Mini golf", and "Outdoor shower".

Among all 109 facilities, 73 facilities are privately owned, which also include HOA and MUD district-owned facilities. A total of 16 facilities are County-owned, 16 by school districts, and 6 facilities are owned by other municipalities. Private owned facilities are the main recreation providers in the area.

Recreation Provided By Others

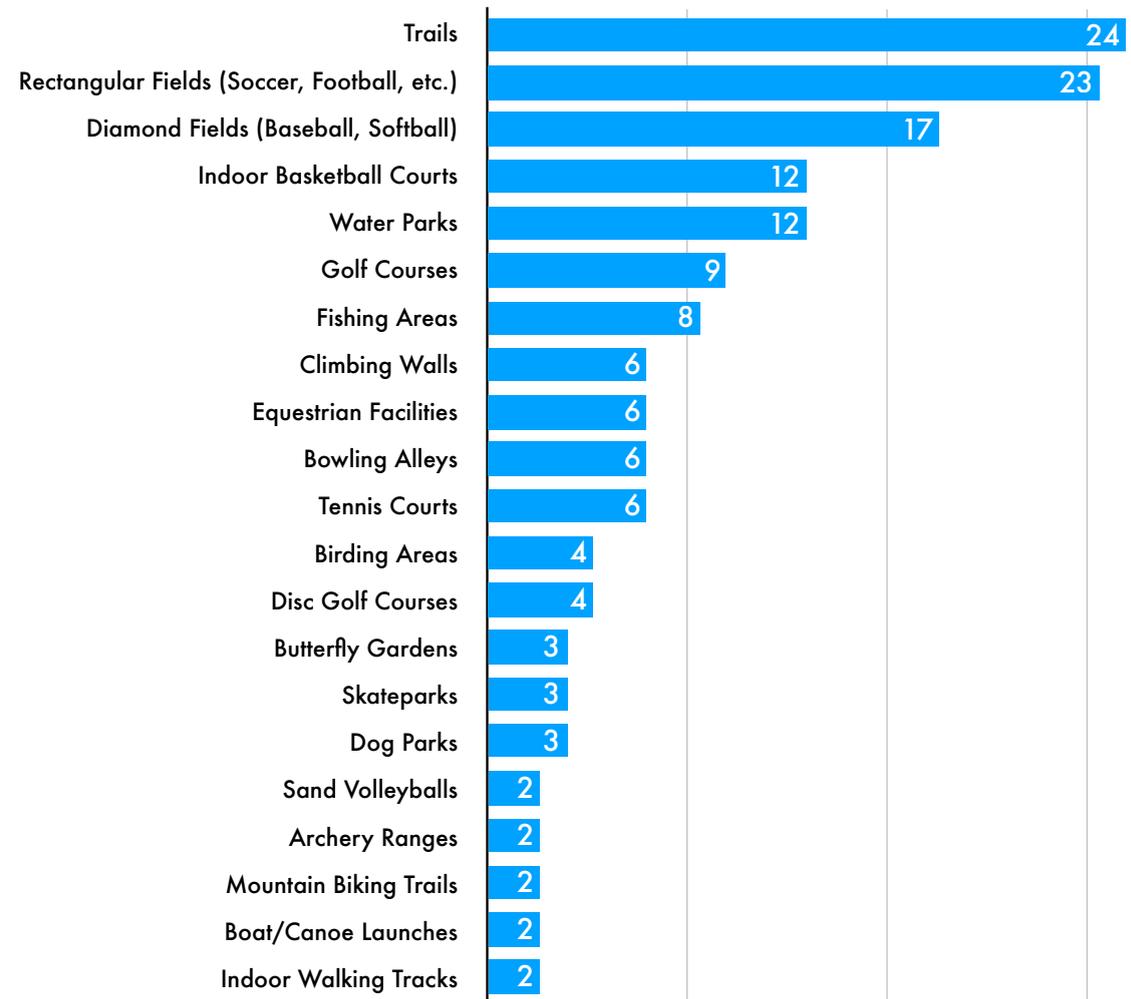


Figure 34. Summary of recreation amenities provided by other entities identified within a 20 minute drive of Jersey Village.

Recreation Resources By Ownership

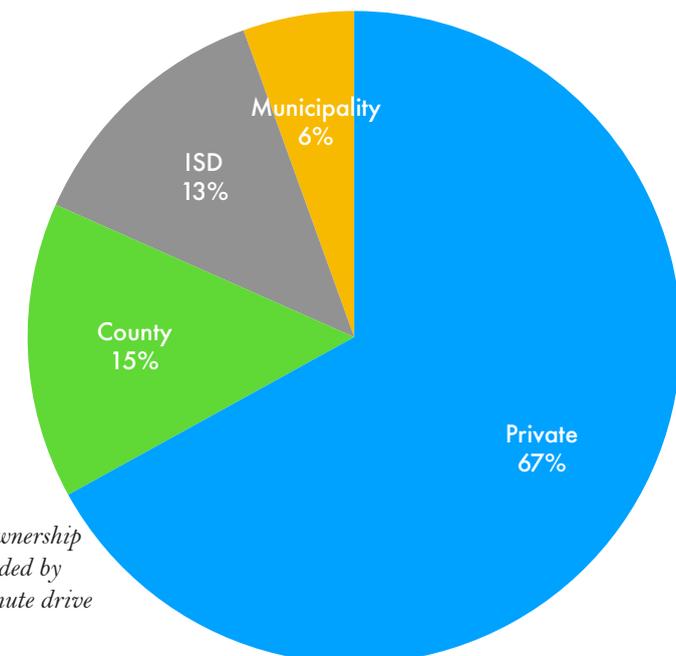


Figure 35. Distribution by ownership of recreation amenities provided by other entities within a 20 minute drive of Jersey Village.

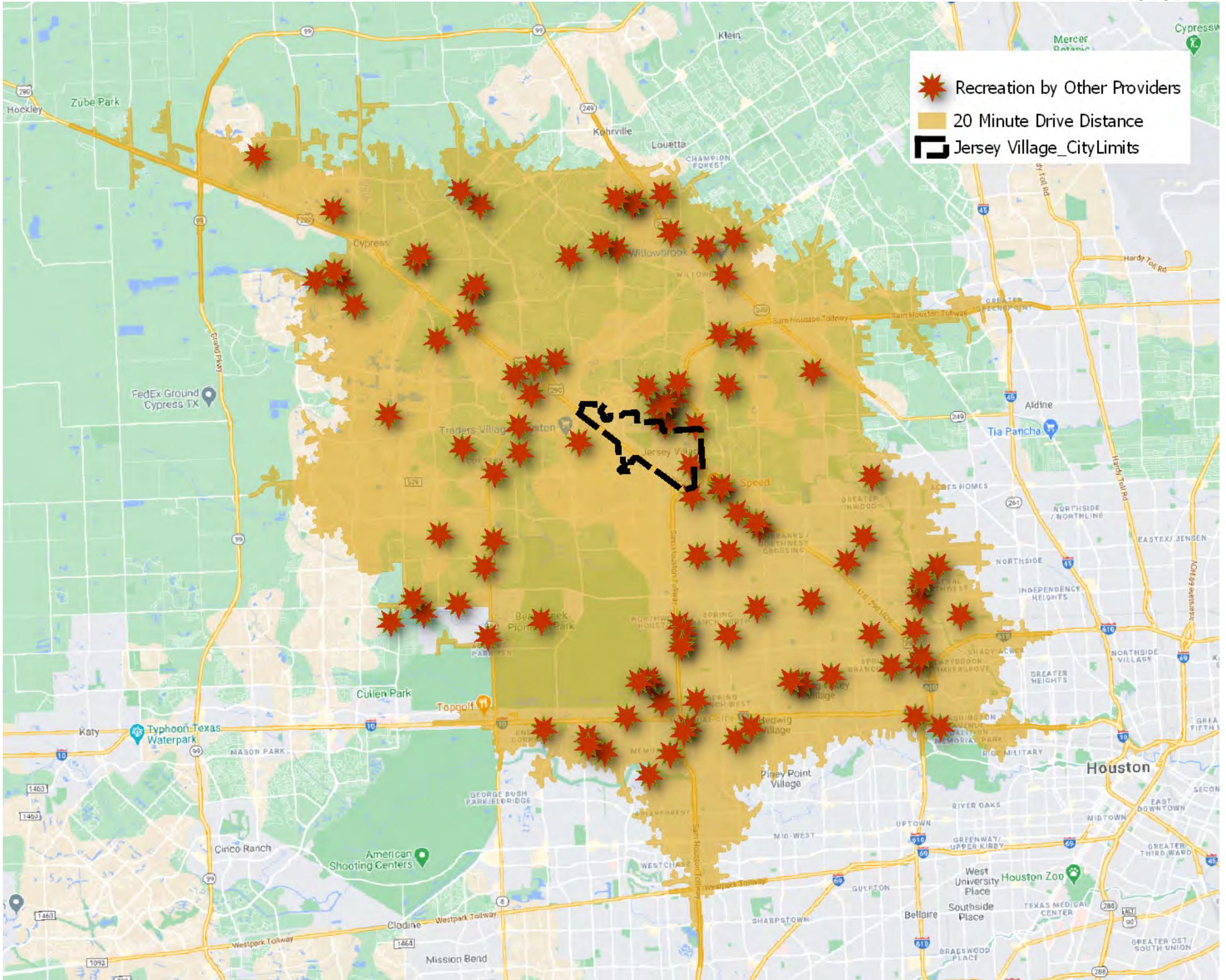


Figure 36. Location of recreation amenities provided by other entities identified within a 20 minute drive of Jersey Village.

Sports, Programs, and Events

League Sports

Currently, The sports demand in Jersey Village is fulfilled by private organizations. I-9 Sports offers soccer league play for boys and girls at age of 3 to 5 and baseball league play for ages 3 to 6. Both leagues use fields at Clark Henry park.

Recreation Programs



Jersey Village began to offer a number of new recreational programs in 2019. These programs will included youth and adult sports, camps, art classes, fitness in the park and more.

Figure 37. Residents participated in an art class in March of 2020.



Community Events

Jersey Village has a vibrant community atmosphere, where a variety of community events bring residents together each year. Jersey Village Parks and Recreation is providing 12 annual community events based on the local interests.

The following popular events are offered:

- Bingo Nights (NEW in 2020!)
- Health Expo with Jersey Village Senior Outreach (NEW in 2020!)
- Concerts in the Park Series (NEW in 2020!)
- Spring Fling Nature Festival
- Easter Egg Hunt
- Adult Easter Egg Hunt (NEW in 2020!)
- Independence Day Parade
- Movies in the Village
- Eats in the Streets Food Truck Festival
- Fall Frolic Trunk-or-Treat
- Texas State Arbor Day
- Holiday in the Village
- Farmer's Market

Most events are held in the open space and covered basketball court at Clark Henry Park. The events are scheduled through out the years and have a high level participation in the community.

Figure 38. Residents participating in a Bingo Night event at the Civic Center.





Figure 39. Snow was provided to add to the Christmas spirit during Holiday in the Village.



Figure 40. Children participating in the annual Easter Egg Hunt.



Figure 41. The Jersey Village Farmer's Market is a popular event held on the first Sunday of each month at the Civic Center.

Figure 42. Lights and decorations during the annual Holiday in the Village event.



Figure 43. A rich variety of offerings at the Eats in the Streets Food Truck Festival.



Figure 44. A float built by residents for the Independence Day Parade.





Demand Assessment



**Online Survey
Recreation and Events Committee
Recreation Behavior**

Public Engagement Process

A key component to any master planning process is to gather input from relevant stakeholders. With parks and recreation planning, the residents are the primary users of parks, programs, and facilities. Determining the types of activities in which residents participate, those that they would like to see in the future, is the secret to a development of a plan that meets those needs.

Online Survey

One of the most effective means of reaching residents with busy lives is through the use of online engagement. To this end, the City conducted an online parks and recreation survey to find out what how residents are currently recreating.

The online survey was made available through a link on the City’s website, postings on the City’s Facebook® page, and the local Nextdoor group. The online survey was also mentioned in the Houston Chronicle newspaper.

The survey included twelve questions, which include 10 single and multiple choice questions, and two open ended questions. A total of 464 respondents responded to the survey over a three month period between March 10th and November 15th of 2020. With the Jersey Village population in 2019 (8,240), the number of responses provided a statistically significant sample with a 97.33% level of confidence with a margin of error at 4.42%.

The results of the survey are highlighted are below:

- Carol Fox Park is the most popular park in Jersey Village;
- Walking, hiking, biking and running are the most popular activities;
- Trails are the most desired outdoor recreation amenity;
- Fitness equipment are the most desired indoor amenities;
- Saturday evening is the peak time for park visits;
- “Senior” related activities are the most frequently mentioned programs and events that residents desire;

Participant Profile

To help the City better understand the recreation of all groups, the online survey also collected the basic demographic information of the participants. The following information was revealed:

- 98.7% participants are local residents of Jersey Village;
- The majority (55.8%) of participants have lived in Jersey Village more than ten years;
- 47% of survey participants were 35 to 54 years of age.
- Facebook® is the most popular source for information about Jersey Village parks and recreation.

How long have you lived in Jersey Village?

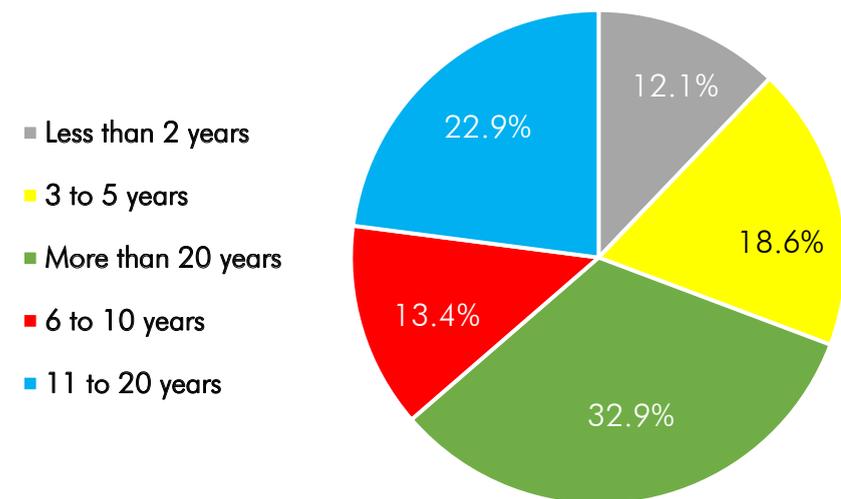


Figure 44. Age groups represented by the online survey.

Which age group are you in ?

The profile of survey participants reveals that the survey has captured residents with different lengths of residency and different age groups. Participants who have lived in Jersey Village for more than 20 years are the largest group. The most represented age group is “35 to 54 years”. Other ages groups were also well-represented with the exception of “under 18”, which are likely represented by their parents. Social media and the City website are the most commonly used sources for parks and recreation information. There were also other sources mentioned by participants that are widely used, such as the City newsletter and outdoor signs.

The profile information can not only reflect if the survey has reached all groups but also can tell a story in the reversed order. A cross tabulation analysis can show the survey responses by different profile information. For instance, the direct result shows Facebook® is the most popular information source, cross tabulation analysis shows that participants at age of 65 and older are the smallest group to choose Facebook® as their primary parks and recreation information source, instead preferring the City Website as their number one source, followed by Facebook®, friends, and family.

Parks and Recreation preference

The online survey presented three questions to better understand the recreation behavior and park visitation patterns in Jersey Village. The questions included “Which park does your family visit the most?”, “What day of the week and what time of the day do you most use the parks?”.

Weekends evenings are the most popular time for park visits, with Saturday as the peak day of the week. Evenings are high volume visitation times, while Mid-Day has the least volume activity. Such patterns of activity are as expected, however it may be worth considering enhanced lighting in the parks due to the high visitation in the evenings.

The survey also asked the participants what types of recreation activities they currently participate in. “Walking, Hiking, Running and Biking” were the most common activities, with a total participation rate of 79%.

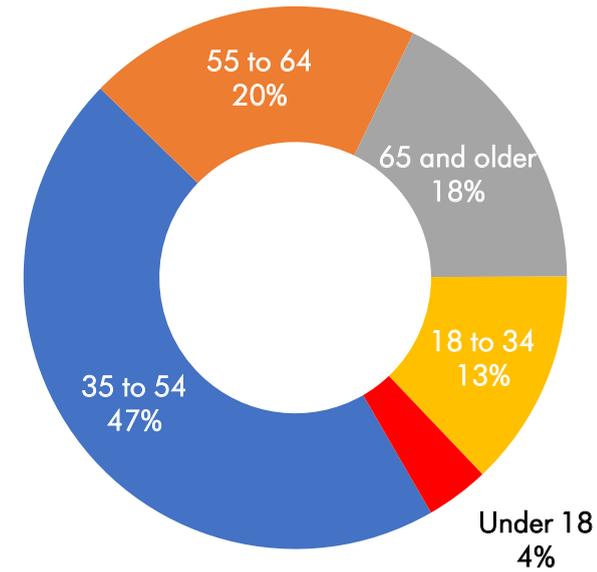


Figure 45. Age groups represented by survey participants.

Where do you get your information for parks and recreation events/programs?

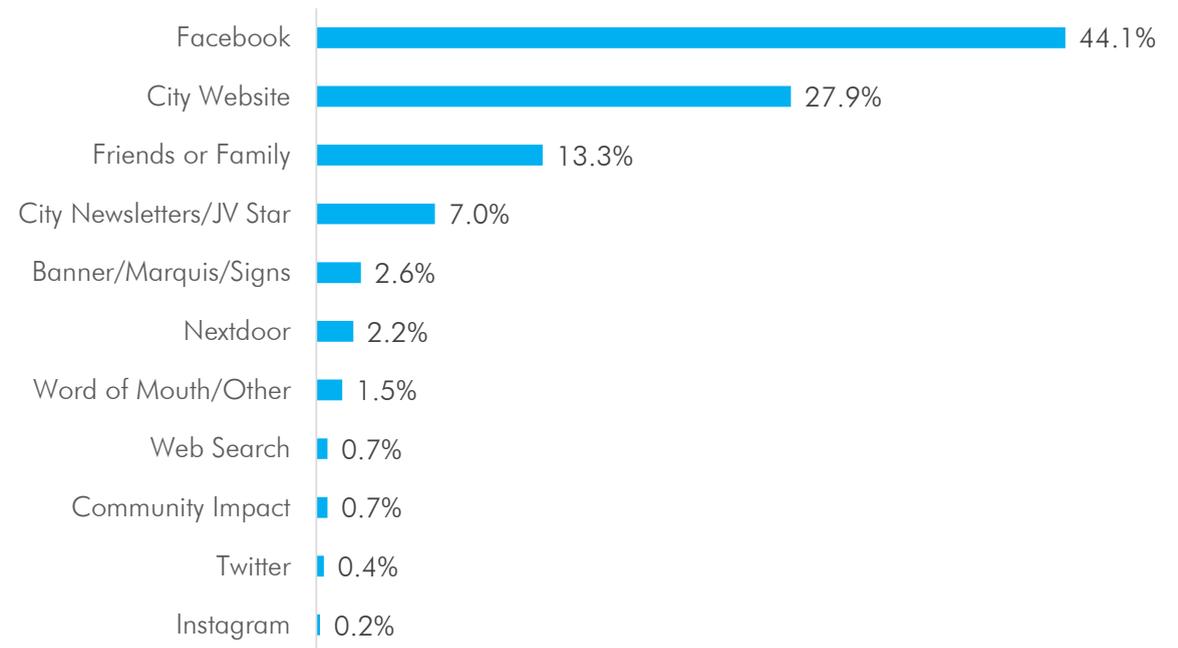


Figure 46. Preferred method of receiving information about City parks and recreation events and programs.

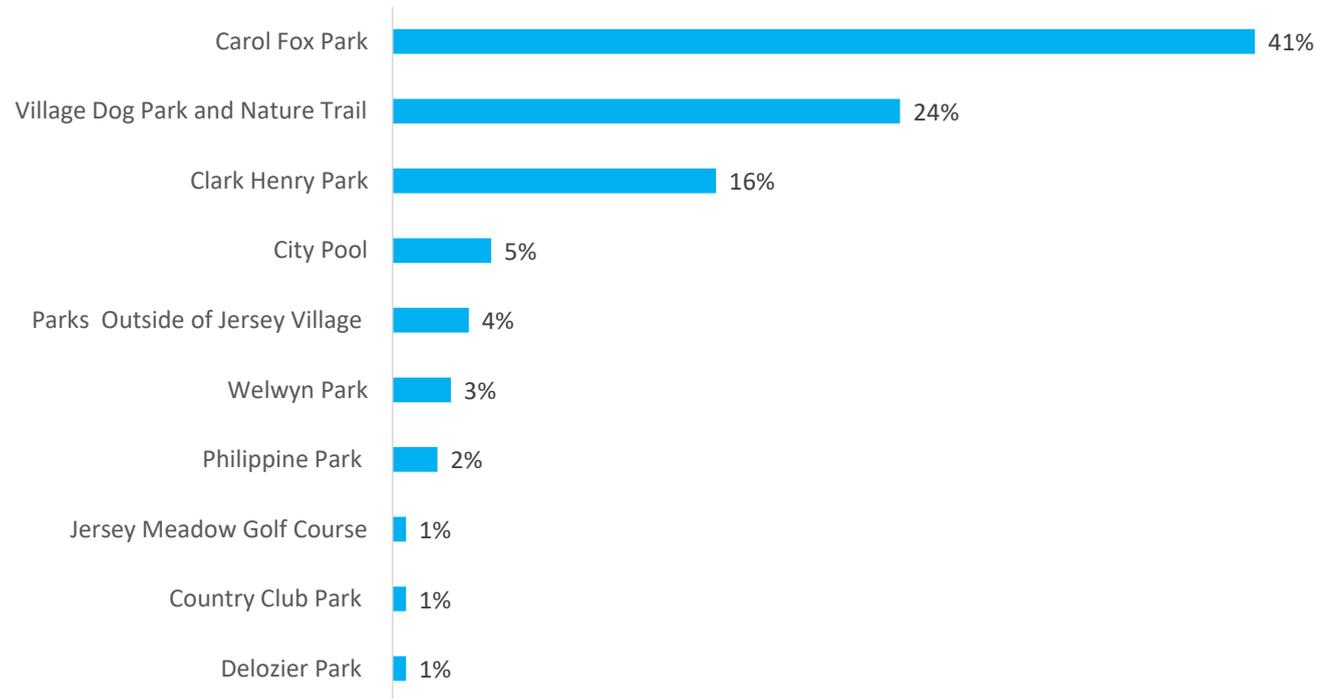


Figure 47. Most frequently visited parks by survey participants.

Which park does your family visit most often?

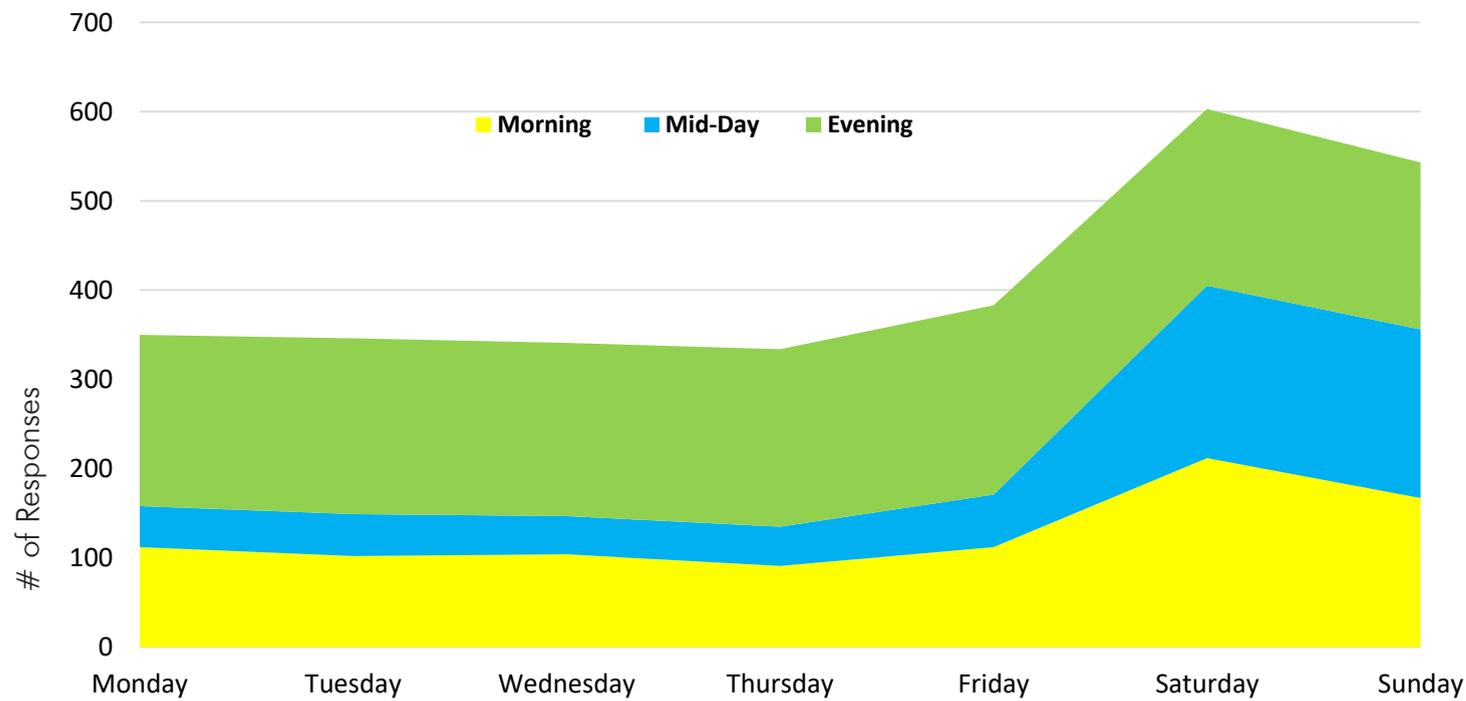


Figure 48. Park visitation by survey participants.

What day of the week and what time do you most use the parks?

What recreation activities do you CURRENTLY participate in?

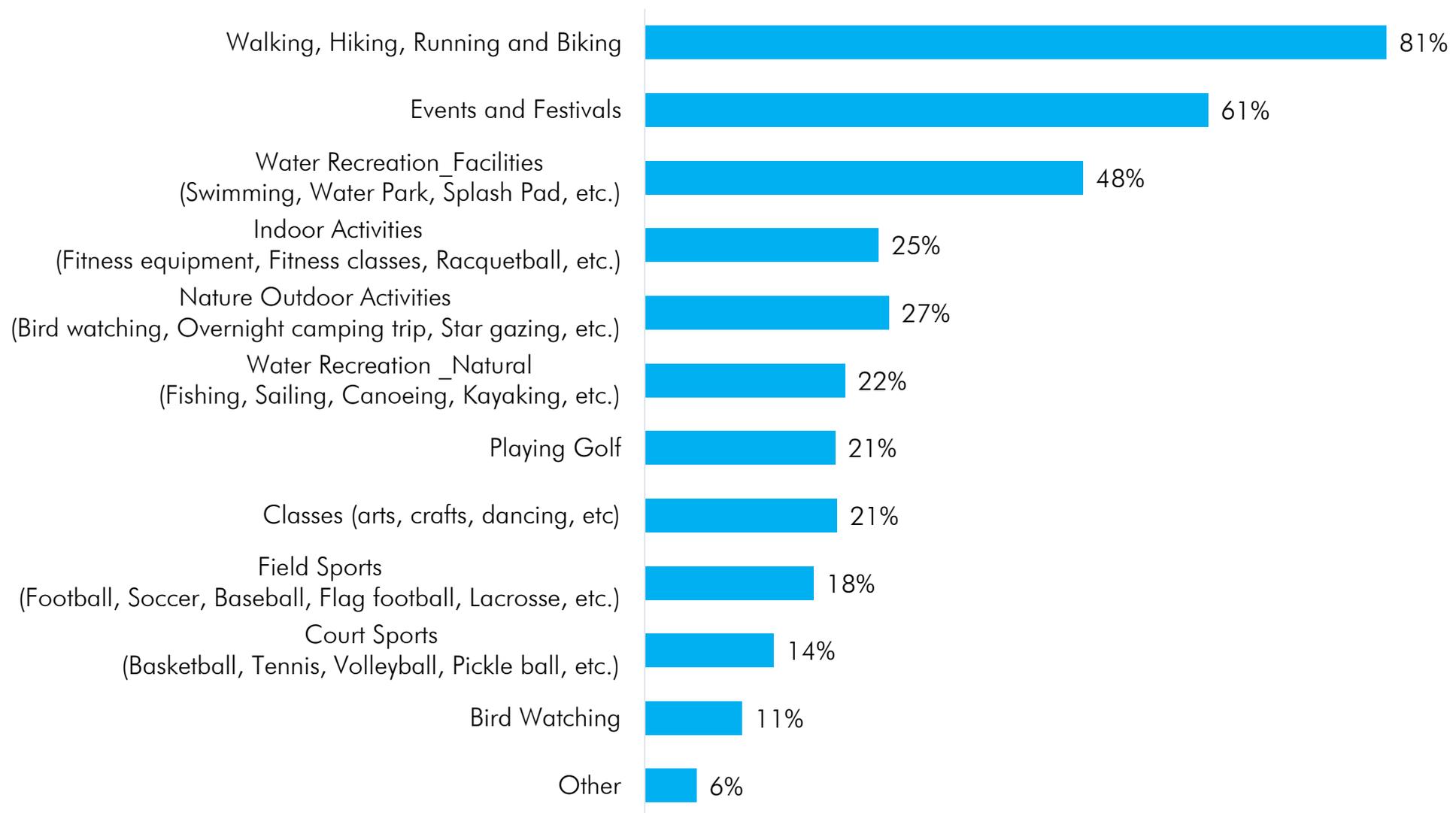


Figure 49. Current recreation activity reported by survey participants.

Future Park and Recreation Preferences

The survey also collected the information on residents’ preferences for outdoor activities, indoor activities, programs and events for future parks and recreation in Jersey Village.

The top five desired outdoor activities are as follows:

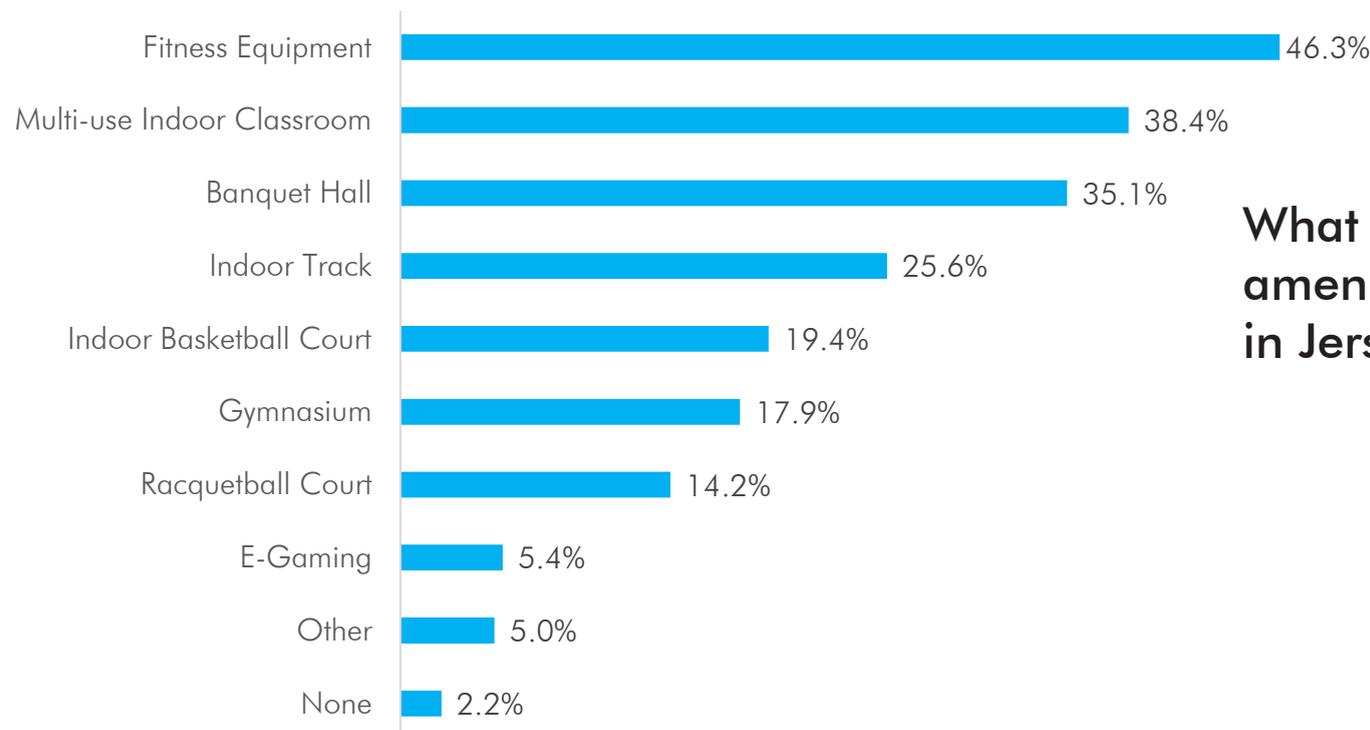
1. Trails
2. Natural Areas
3. Shaded Seating
4. Restrooms
5. Event Space

The top five desired indoor activities are:

1. Fitness Equipment
2. Multi-use Classrooms
3. Banquet Hall
4. Indoor Track
5. Indoor Basketball Court

The top key words appearing in response to the open-ended question regarding desired programs and events are:

1. Events (23)
2. Food (15)
3. Classes (14), Senior (14), Festivals (14)
4. Concerts (13), (Activities (13)



What INDOOR recreation amenities would you want to have in Jersey Village in the future?

Figure 50. Indoor recreation amenities desired by survey participants.

What OUTDOOR recreation amenities would you want to have in Jersey Village in the future?

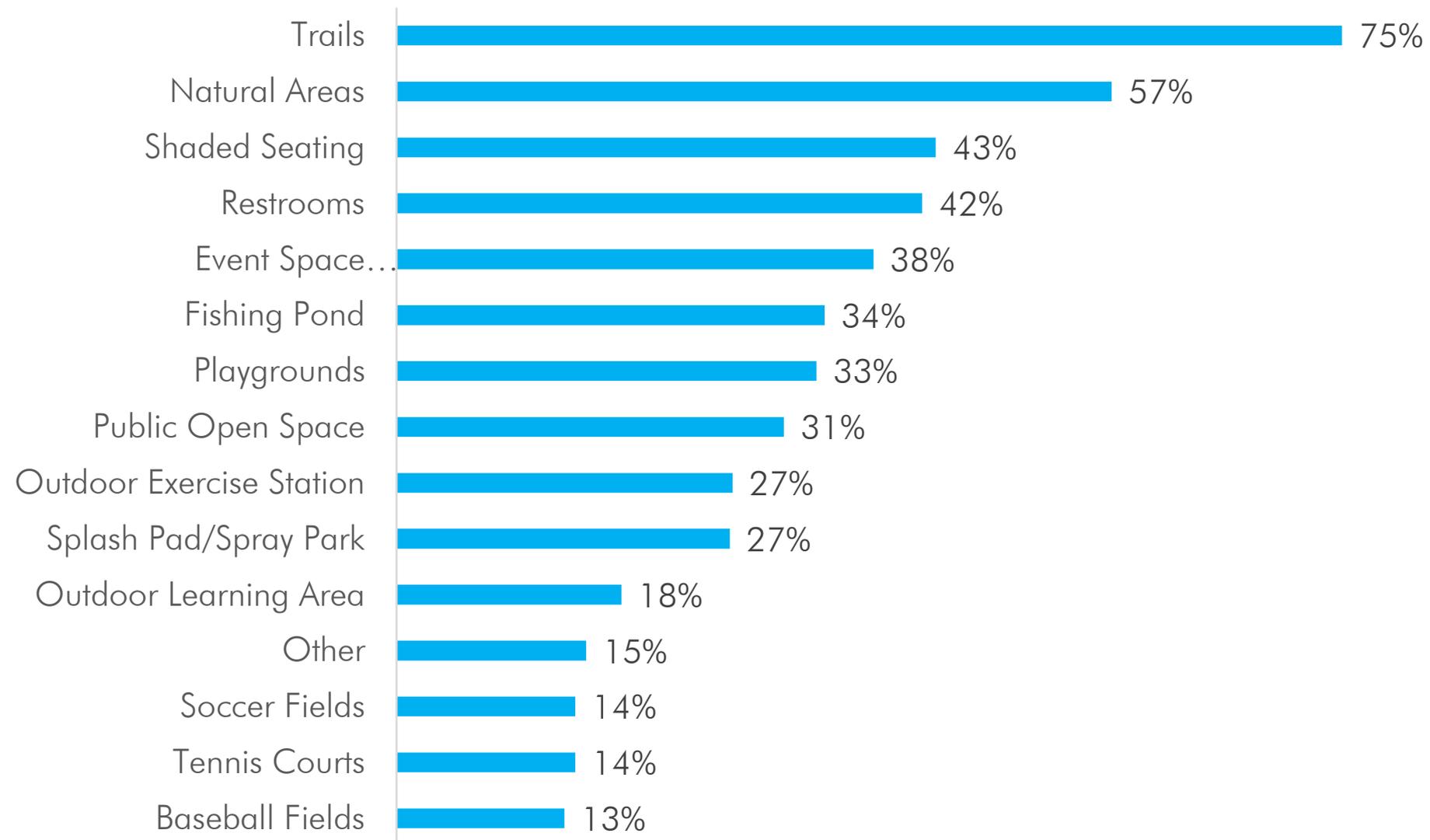
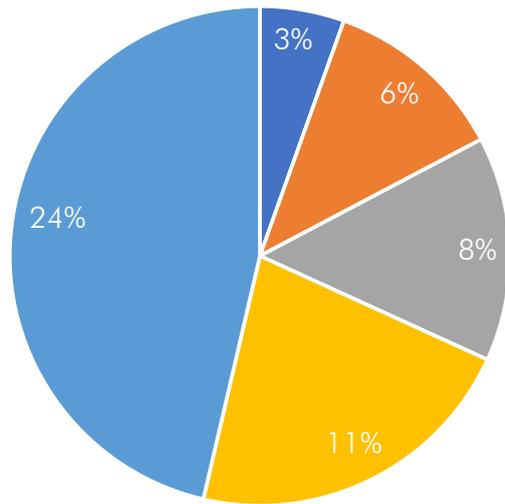


Figure 51. Outdoor recreation amenities desired by survey participants.

Lastly, the survey asked “Is the City doing enough to ensure that parks and facilities are accessible to all people regardless of ability? What do we need to improve?” A total of 210 open-ended comments received in this question. All responses were collected and coded into categories based on the content. The comments were categorized into five topics, Amenities, Accessibility, Safety, Program and Events, and Other.

Topics Covered in the Comments



Program and Events Safety Accessibility Other Amenities

Figure 52. Comments categorized into key subject areas.

Overall, survey participants agreed that the City is doing enough to ensure that parks and facilities are accessible to all people regardless of ability, with 83% in agreement. There will always be opportunities to expand accessibility in the future, especially with the current recreation offerings from the industry, such as inclusive-play features such as play structures that offer stimulating activity for a range of disabilities including hearing, sight, mobility, learning, and other impairments.

Is the City doing enough to ensure that parks and facilities are accessible to all people regardless of ability?

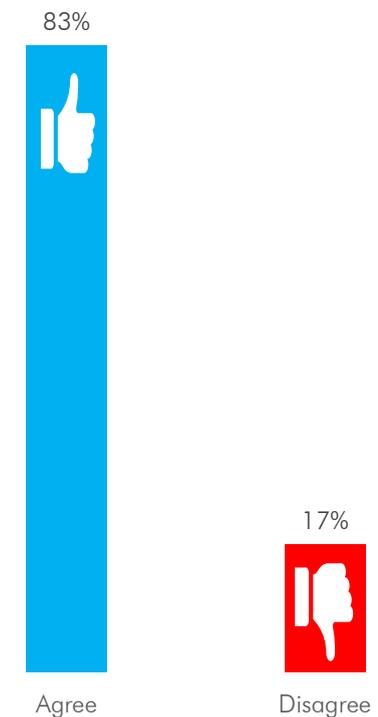


Figure 53. Survey respondents indicated high agreement with the City’s efforts to ensure accessibility.

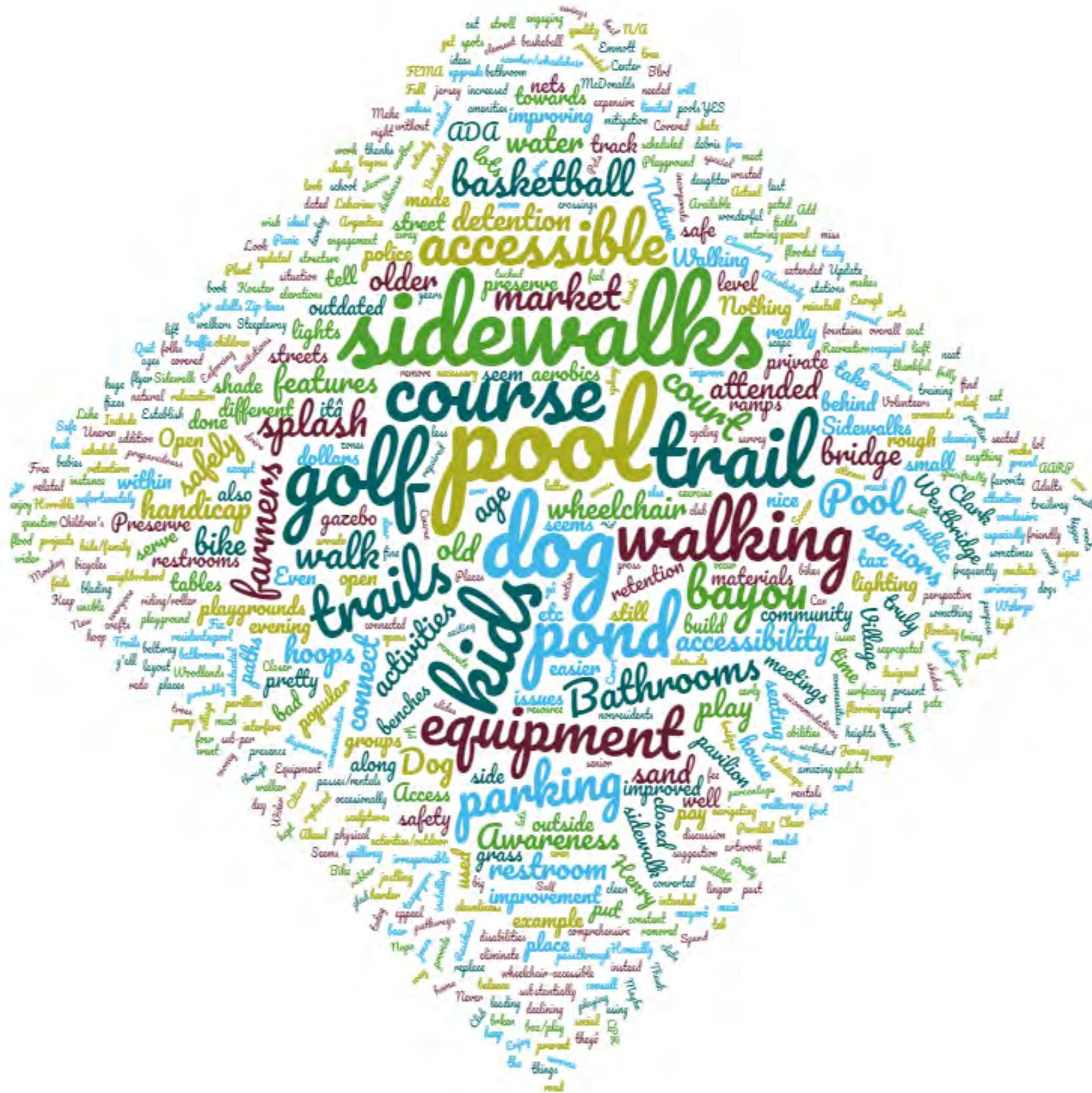


Figure 55. The word cloud above illustrates comments with higher frequency of occurrence in larger fonts. This visualization reveals some patterns of priority for 'updated' features, 'basketball', 'trails', and more.

Recreation Behavior

Another approach to identifying recreation demand is the use of “Big Data” resources available from the Environmental Systems Research Institute (ESRI), a leader in geographic information systems software and data. The nationwide data sets for recreation behavior are based on reports from the recreation industry, retail statistics, and other sources. By querying their databases, rich insight is gained about recreation preferences in Jersey Village.

Analysis of 2019 recreation behavior data reveals that Jersey Village residents participate in a wide range of activities. The chart on the following page represents the percentage of the population in Jersey Village that participated in each activity.

In 2019, the top 10 most popular recreational activities for Jersey Village residents were:

1. Barbecues
2. Walking for exercise
3. Visiting a theme park
4. Attending sports events
5. Swimming
6. Jogging and running
7. Hiking
8. Weight lifting
9. Going to the zoo
10. Road bicycling

Did You Know...?

Trails serve three of the most popular recreational activities in Texas - walking, bicycling, and running. They serve a greater number of people for less cost than just about any other recreational facility. A Texas trails study published by Texas Parks and Wildlife reported that nearly 70% of Texans walk for pleasure. This is the highest participation rate for any single recreational activity.



2019 Recreation Behavior by Jersey Village Residents ESRI Living Atlas

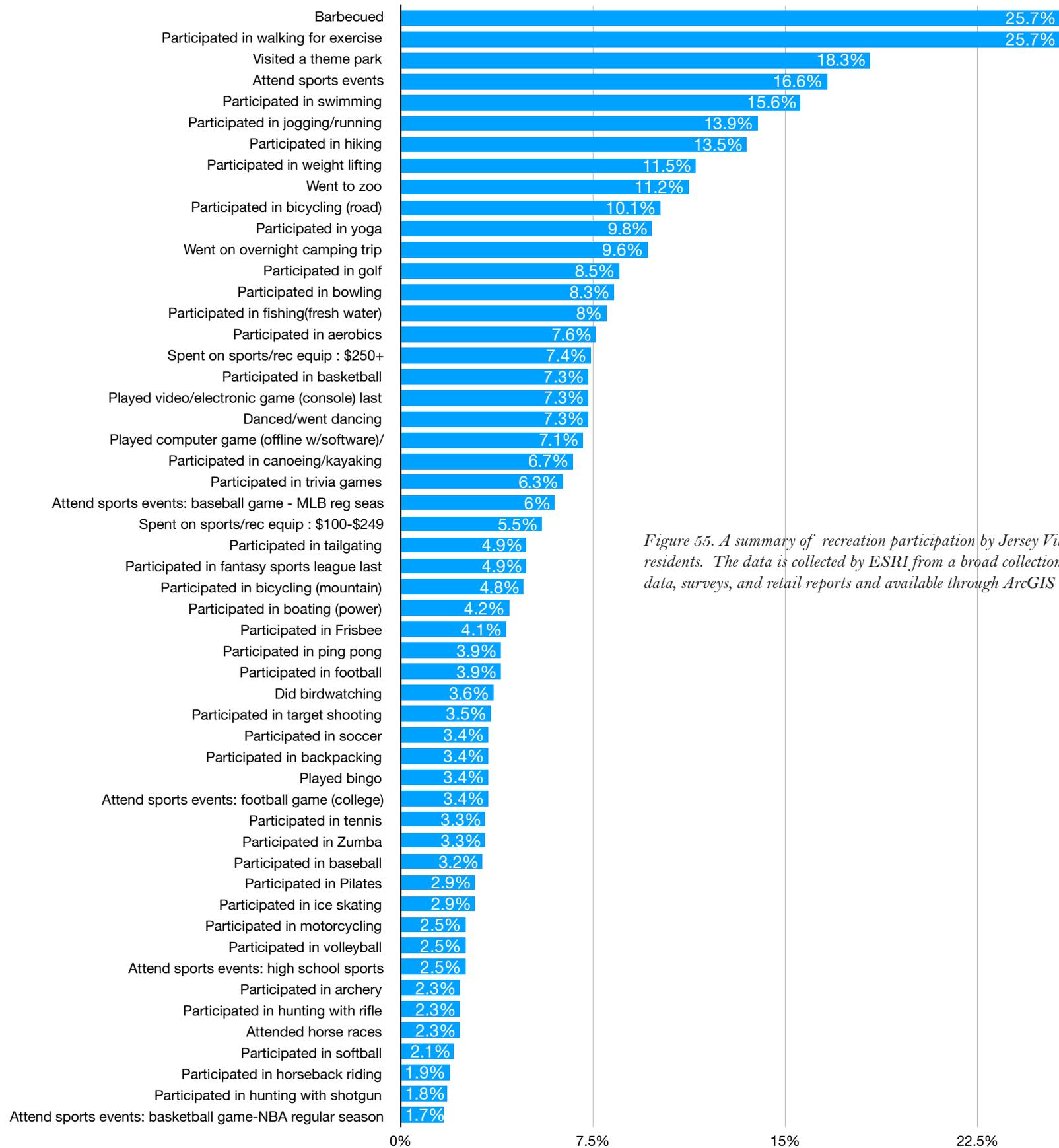
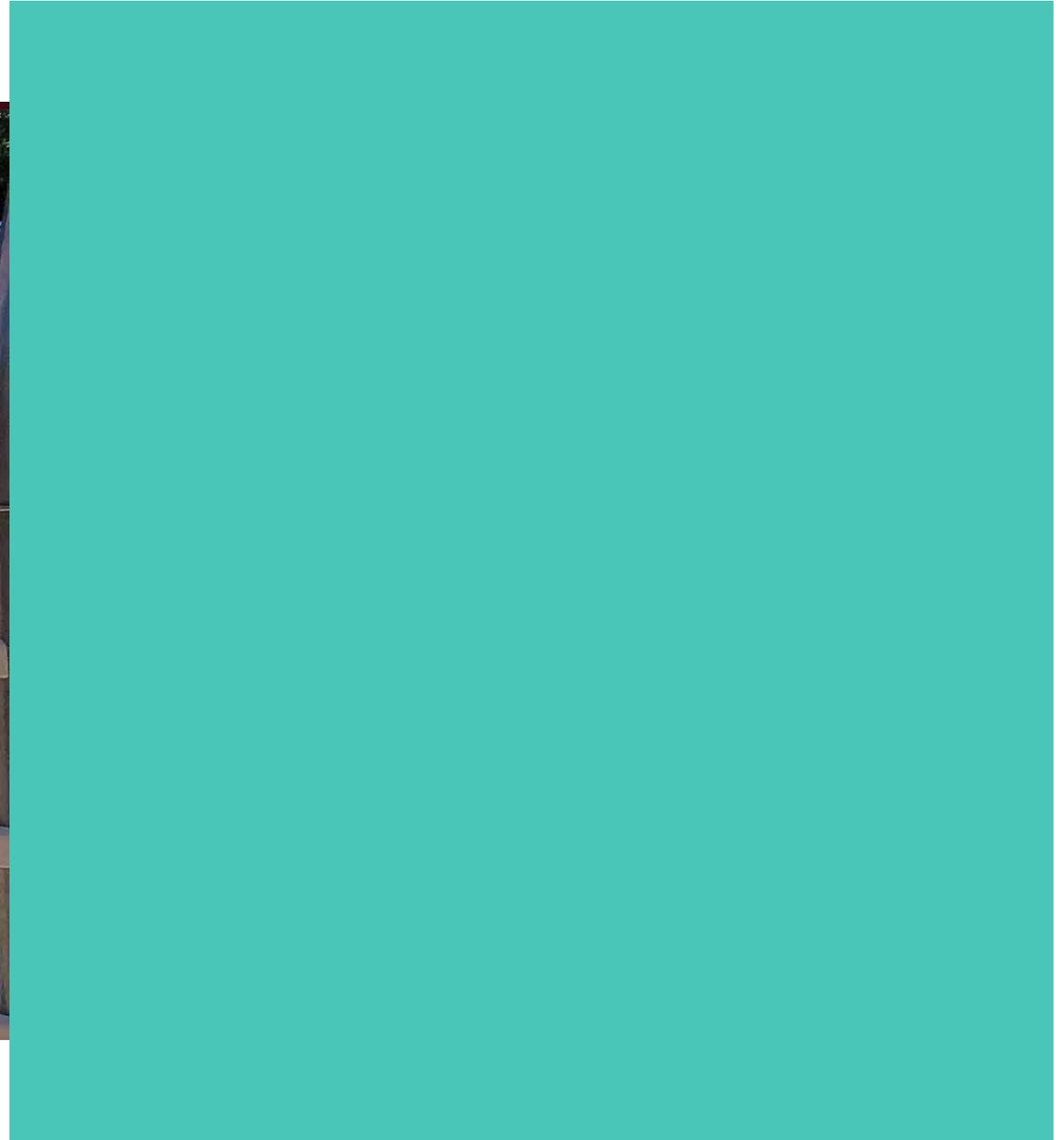


Figure 55. A summary of recreation participation by Jersey Village residents. The data is collected by ESRI from a broad collection of industry data, surveys, and retail reports and available through ArcGIS Online.



Needs Assessment



**Summary of Demand
Available Resources
Design Considerations**

Identifying Priorities for Parks and Facilities

In order to identify potential projects for development of new or improved parks, trails, and facilities; it's necessary to consider the demand for recreation, the available resources, and creative opportunities for implementation.

Summary of Demand

Residents have expressed a desire for a wide range of recreational activities and amenities. While the City can't be expected to provide every desired feature in a parks system, some of the most requested types of activities can be accommodated. Trails are in high demand with 75% of survey respondents requesting them. Other high-demand items include Natural Areas, Event Space, Fitness Equipment, Meeting Space, and amenities such as Restrooms, and Shade Structures. With limited space within existing park land, the City must be selective with what is added to the parks to prevent overloading the parks with too many features and amenities.

Available Resources

From a resource-based perspective, looking at the existing land and facilities available to the City is an important first step. Some undeveloped city-owned parcels and rights-of-way can be utilized as recreation space, and in some cases, may not even need to be developed to meet recreation needs. For instance, access to natural areas can be facilitated by designating a few undeveloped city-owned properties as open space, along with providing access via trails and/or parking space.

Additional opportunities for new recreation in Jersey Village include collaboration with other entities. For instance, the Harris County Flood Control District (HCFCD) maintains rights-of-way along the bayous in Jersey Village and owns several small parcels of land that could be used as parks space.

These rights-of-way offer some of the opportunity to create a trail system that cross the entire city. HCFCD has a history of working with communities to allow trails along these corridors, provided that the city takes over maintenance on the side of the channel that has trails. A few sections of White Oak Bayou are feasible for trail development, while others are unavailable, as property lines in those areas run to the centerline of the channel.

Another opportunity for new park development would take advantage of undeveloped land along White Oak Bayou and Pleasant Colony Drive. The property is listed as being under the ownership of a property owners association, and may require an agreement with that organization as well as HCFCD for development. The park would fill a service gap in an area of the community that doesn't currently live within a 10 minute walk to a park.

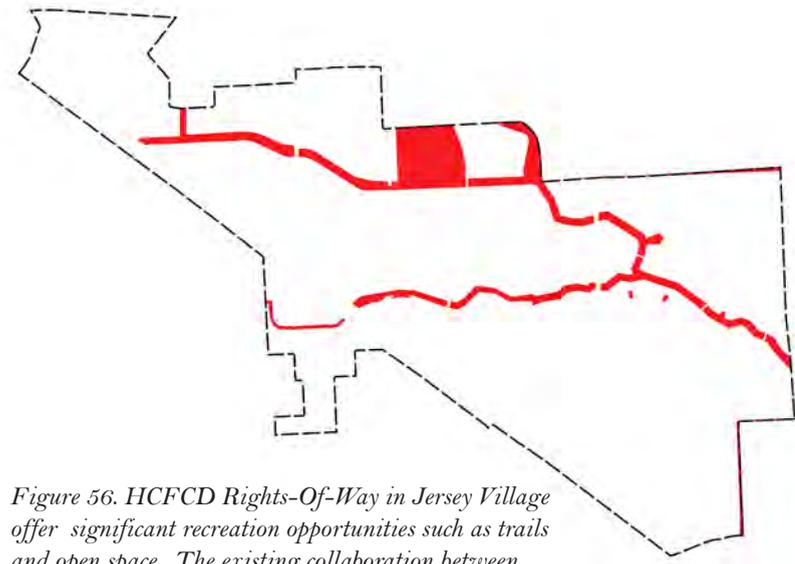


Figure 56. HCFCD Rights-Of-Way in Jersey Village offer significant recreation opportunities such as trails and open space. The existing collaboration between HCFCD and the City for the creation of trails and a dog park at the detention facility has been a great success.

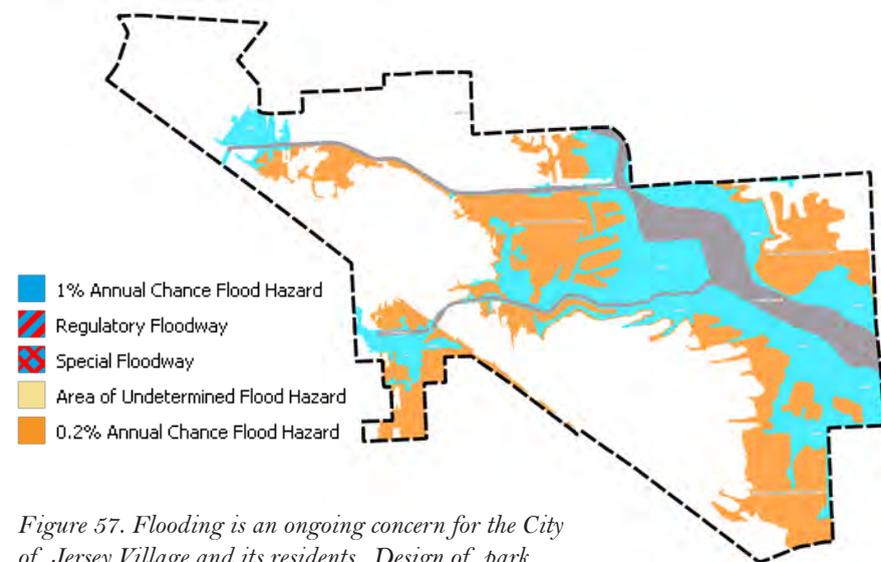
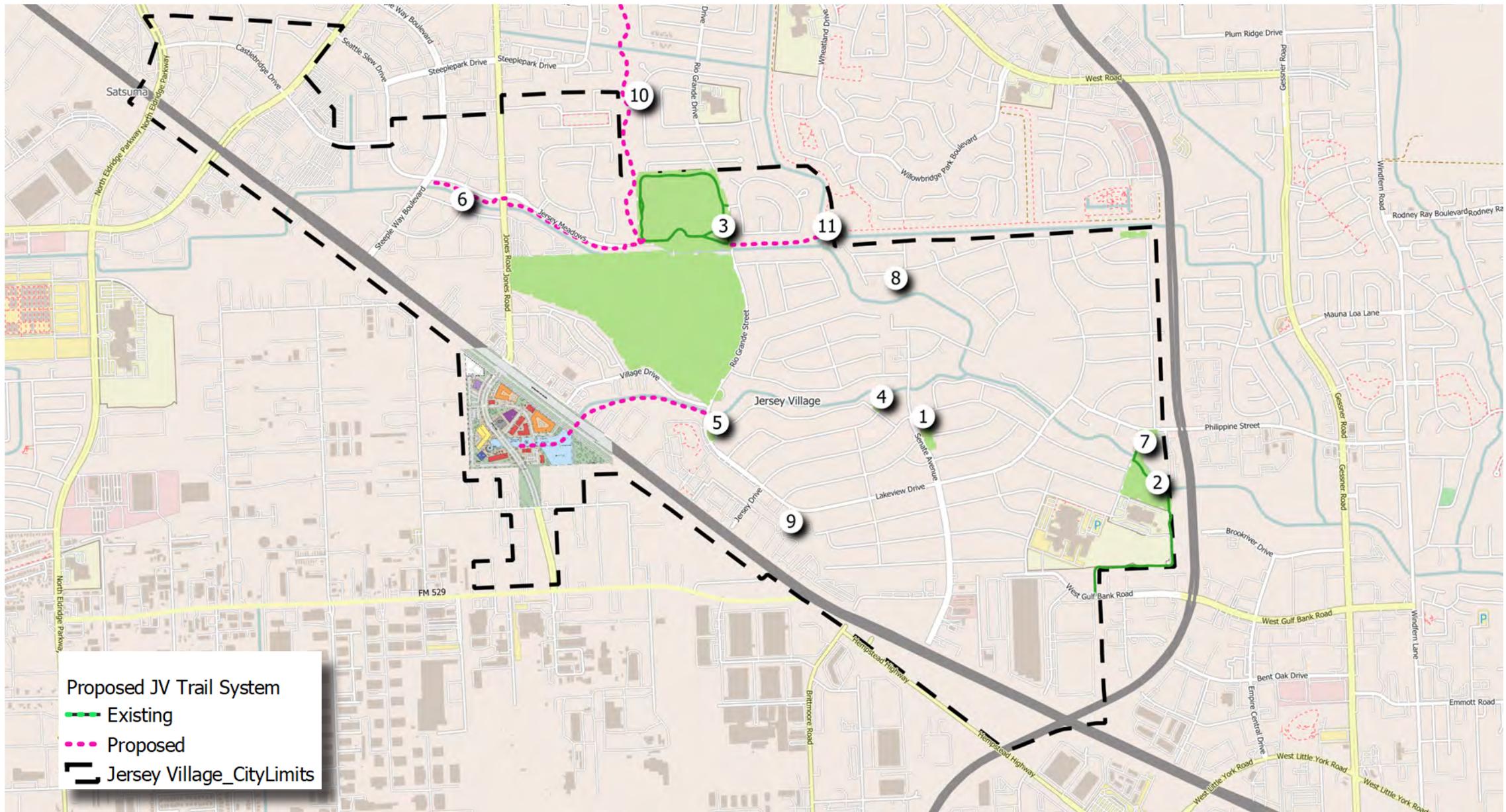


Figure 57. Flooding is an ongoing concern for the City of Jersey Village and its residents. Design of park improvements should include solutions that minimize increases to stormwater runoff.

Park and Recreation Opportunities

Figure 58. Map of proposed improvements to the parks system.

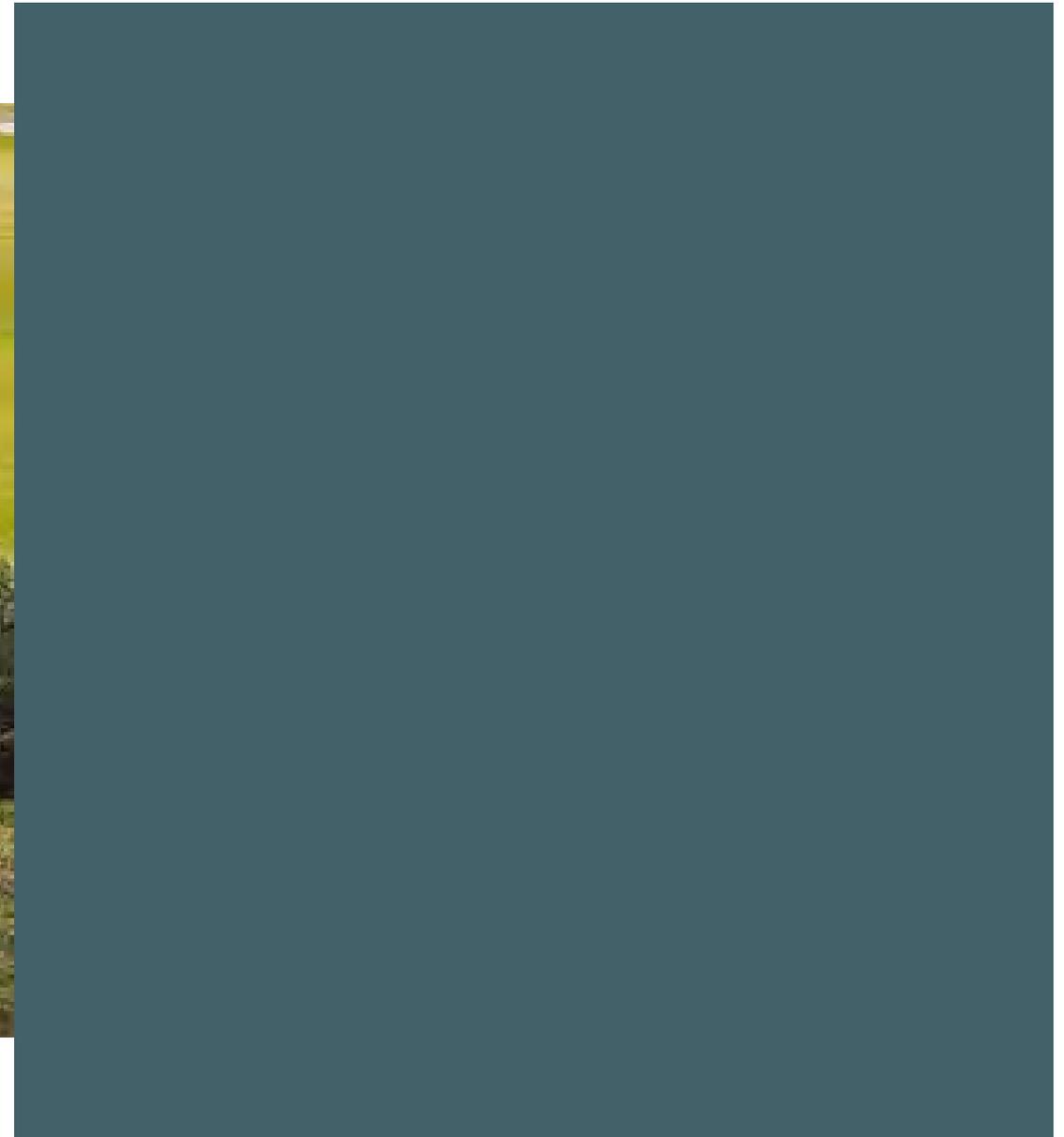


1. Improvements to Carol Fox Park
2. Improvements to Clark Henry Park
3. Improvements to Jersey Village Dog Park & Nature Trail
4. Improvements to St. John Park
5. Improvements to De Lozier Park
6. New Neighborhood Park on Pleasant Colony Drive

7. Outdoor Classroom at Philippine Park
8. New Passive Open Space Park
9. Recreation at the Civic Center
10. Trail Opportunity along Utility ROW
11. Proposed Pedestrian Bridge Across Bayou



Green Infrastructure



**The Value of Green Space
Low Impact Design**

The Value of Green Space in the Community

An often overlooked component of a City's parks and recreation system is the undeveloped green space. This green space serves a variety of important uses including nature-based recreation such as bird-watching, hiking, exploring, fishing and mountain biking.

In addition to recreation benefits, green space provides important ecosystem services such as: stormwater runoff reduction, filtration of stormwater sediments, capture and storage of greenhouse gases, wildlife habitat, and aesthetics. In park planning for the future, it is important to capture and preserve much natural space and maintained green space.

In addition to preserving natural green space, the City should consider measures for conservation of natural resources with all future design and development of park facilities. Some key benefits include:

- Water Conservation
- Energy Conservation
- Stormwater Management
- Water Quality
- Riparian Protection
- Habitat Preservation
- View Preservation

Low Impact Design (LID)

In a world of ever-decreasing natural resources and increasing development, it becomes important for the City to consider and adopt Low Impact Development (LID) techniques during design and construction of parks and facilities. Issues such as stormwater management, water quality, heat islands, and water conservation can be addressed through sound design principles.

Tools such as bio-retention of stormwater, bio-swales, use of drought-tolerant native plant materials and rainwater harvesting can effectively be implemented in park and facility designs. Use of such tools are rapidly becoming a standard practice, and in some cases is a requirement, in communities across the nation.

In addition to being a matter of good environmental stewardship, design and implementation of LID techniques in the City's projects, in particular for flood management, can also improve the City's overall rating with the Federal Emergency Management Agency's (FEMA) Community Rating System. Improving the City's score with this system can result in discounted insurance rates City-wide.

LED Lighting in City Parks

An important consideration with the replacement or installation of lighting and both parks and facilities is the use of LED lighting. LED light fixtures use remarkably less energy compared to incandescent bulbs and provide costs savings as well as promote sound environmental stewardship.

Solar Lighting in Parks

Solar technology has been advancing at a rapid pace, and the efficiency of modern photovoltaics allows for creative lighting solutions. Pavilions, parking lots, parks, and trails can all be illuminated with solar systems that reduce long-term costs and have a smaller footprint on the environment.

Detention Facilities as Parks

Storm water management structures are a part of most development these days. Often in the form of detention ponds, these facilities occupy significant land areas that could otherwise be used for park space. With consideration during the design phase of a project, such facilities could be designed to include amenities such as a pond area with a continuous water level and park amenities such as trails and picnic areas.

Rainwater Harvesting

Rainwater harvesting systems are becoming a popular tool for fulfilling two goals in City parks. These systems can reduce irrigation costs by utilizing captured rainwater from the roofs of pavilions and other structures to water the park landscape. Additionally, these systems can serve as educational components of the parks system, acting as demonstration facilities with educational signage to explain the value of the tool for the environment.

Floodplain and Riparian Corridors

Floodplain and riparian corridors offer excellent opportunities for recreation, often providing long continuous connections through the community. Jersey Village has bayous crossing through the City that should be considered a part of the parks system. Developing natural or low-impact trails with decomposed granite surfaces would provide recreational access without impacting the floodplain and sensitive environmental areas

Figure 59. LED lighting is available for replacement of existing bulbs in parks or as a complete solution when choosing light standards for new facilities. Cost savings over the long-term are significant given the low energy requirement and long lifespan of the bulbs.



Figure 60. Bio-swales, similar to drainage ditches, utilize selected vegetation to filter and slow down stormwater runoff prior to its drainage into the water shed. These bio-swales can be designed using native vegetation adapted to the area, requiring minimal maintenance.



Figure 61. Solar powered lighting can be used along pathways without the need to connect to the electrical grid.

Figure 62. Rainwater harvesting should be considered during the development of future pavilions. The above example captures rainwater from a pavilion roof top and stores it in a 5,000 tank for use in irrigation of the park landscape.



Figure 63. Detention ponds are necessary part of development. Taking advantage of the open space during dry periods is an excellent way to expand recreation opportunities in the community. The facility above is utilized for soccer during dry periods.



Potential Projects



**Park Improvements
Hike and Bike Trails
Indoor Recreation**

Improvements to Carol Fox Park

Carol Fox Park is the most frequently visited park in Jersey Village and is rich with recreation features. Even though the park is loaded with amenities, residents have indicated a desire for a number of improvements to enhance the visitor experience.

The park is most frequently visited by families with young children, due to the excellent variety of play structures and centralized location of the park within the community. One priority identified in the online survey was the need for a public restroom at this park. With young children, this is an important amenity to consider providing.

The park also includes a sand volleyball court that could be enhanced with the addition of lighting to allow for extended use of the court in the evenings.

A summary of proposed improvements include the following features:

- Restrooms
- Shade sails over the play areas
- Shaded picnic areas with grills
- Walking paths

Figure 64. Recently installed shade structure over the pirate ship playground at Carol Fox Park



Figure 65. Examples of proposed picnic shelter (left) and restrooms (right) at Carol Fox Park.



Figure 66. Concept for improvements at Carol Fox Park.



Improvements to Clark Henry Park

Clark Henry Park is a popular recreation destination for Jersey Village residents. The park is home to many of the community events and festivals, and it's used daily for activities ranging from swimming in the summer months, to playground use, to active sports play. The local sports program, hosted by i9 Sports® facilitates youth baseball and soccer play during the Spring and Fall months. During other times of the year, the open space is utilized for local pick-up games, kite flying, and many other activities.

To elevate the sports play experience, improved grass soccer and baseball fields are proposed to accommodate the existing sports programming. The soccer field would be striped to accommodate a range of fields dimensions for varied age groups, game play can shift rapidly between sports. The baseball field is planned as a 175' diamond with backstop, suitable for Tee-Ball and early baseball age groups.

In addition to improvements to the sports fields, landscape enhancements are proposed near the playgrounds to create a gateway experience when entering the park. Seating is proposed along the hike and bike trail, and an allowance is planned in the budget for new site furnishings, landscaping, and irrigation.



Figure 67. Proposed grass soccer fields can be striped for multiple age groups or use in other sports such as football and lacrosse.



Figure 68. The proposed baseball diamond will include a grass field with backstop that provides a quality user experience without impacting floodplain issues that challenge this park.

Figure 69. Proposed concept for improvements to Clark Henry Park.



Improvements to the Jersey Village Dog Park

The Jersey Village Dog Park is one of the more recent additions to the parks system and is a popular facility for residents. Input from the online survey reveals a need for shade structures in the park to provide a cool rest area for dogs and their owners. Also desired is an internal walking path within the fences of the park, as the existing trail is outside the fences.

Google Reviews gives this park 4.6 stars, with comments from users praising the beautiful landscape, ample space, and amenities. One comment requested a swimming area within the fenced park, and that might be a good consideration for the future.

The proposed concept for improvements to the dog park includes three shaded seating areas and a loop walking path.



Figure 70. Residents have requested a loop walking path within the dog park. Seating along the path would provide a convenient rest stop.



Figure 71. Providing shaded seating areas within the dog park can enhance the user experience on hot summer days.



Figure 72. Strategically locating an additional water fountain provides critical hydration for humans and dogs alike.

Figure 73. Proposed improvements to the Jersey Village Dog Park.



The Jersey Meadow Nature Trail

The Jersey Village Nature Trail has been a remarkably popular facility for residents to walk or run through a natural landscape with pleasant views of the detention basin. The site was originally planned to serve stormwater management needs for Jersey Village and other communities along the watershed, while additionally providing habitat for waterfowl and recreation opportunities.

The site has an opportunity to become a recreation destination for not only residents, but people from the surrounding region with the development of trail infrastructure along the bayous. Enhancements to the detention basin and trail such as boardwalks along the banks and pedestrian bridges leading to the islands would facilitate greater opportunities to experience natural systems and wildlife at the park. Adding interpretive signs along the trail at key locations would serve to educate visitors about how the systems work to improve wildlife habitat, filter stormwater pollutants, and reduce flood damage.

The proposed concept illustrates a robust approach that includes additional trail development, seating areas, boardwalks, bridges, and wetlands and landscape enhancements. The costs estimates for development include a significant budget for additional wetland vegetation and earthworks to improve function of the facility for ecosystem services. These improvements, though costly, offer significant benefit to the watershed. The scale of improvements for wetland plantings can be adjusted according to the City's budget while still achieving the desired user experience.



Figure 80.. Example of a boardwalk across a stormwater detention basin at Keith-Wiess Park in Northeast Houston. The project was developed in partnership with Harris County Flood Control District.



Figure 81. Example of interpretive sign educating visitors about migratory waterfowl. These types of signs can add an educational and entertaining element to the nature trail experience.

Figure 82. Proposed concept for enhancements to the Nature trail and detention facility, including boardwalks, bridges, additional trails, and wetland and landscape improvements.



Improvements to St. John Park

With limited new park land available in Jersey Village, it's important to make the most use of existing parks within the City. St. John is a passive park in Jersey Village, situated in a cul-de-sac on St. John Court. The park offers a quiet place in the neighborhood to sit in the shade and relax. With some improved amenities such as new site furnishings, pathways, and landscape elements; the park may see increased usage.

The proposed concept for improvements to St. John Park includes a plaza with crushed granite surfacing and decorative seat walls. Within the plaza there would be picnic tables for neighborhood gatherings, with benches, lighting, and a bike rack in the park as well. Proposed decomposed granite pathways would provide circulation within the park. Existing trees will be protected during development to maintain the shade and aesthetics currently available on site. The proposed light fixture would include outlets for powering seasonal Christmas decorations in keeping with Jersey Village traditions.



Figure 83. Example of picnic plaza with seatwalls and crushed granite surface.



Figure 84. A small fire pit can elevate the experience evening gatherings.



Figure 85. View of St. John Park. The park offers ample open space within the mature tree canopy.

Figure 86. Concept for improvements to St. John Park.



Improvements to De Lozier Park

De Lozier Park is an underutilized property in the parks system that offers the opportunity to provide additional amenities that make the space more inviting. As a popular spot for area residents to get together, providing a large pavilion as a gathering space can elevate the user experience. A proposed playground would provide something for children as well. The park sits across the street from a large park owned by Champion Forest Baptist Church, and the proposed amenities are seen as complementary to the Church's offerings.

Additional amenities proposed include the following:

- Benches
- Bike Racks
- Lighting
- Crushed Granite Plaza
- Seat walls
- Picnic Shelter
- Pathways
- Landscaping



Figure 87. Example of play structures proposed at De Lozier Park.



Figure 88. Example of typical amenities for a small neighborhood park.

Figure 89. Concept for improvements to De Lozier Park.



Proposed Neighborhood Park on Pleasant Colony Drive

Along Pleasant Colony Drive and Seattle Slew Drive west of Jones Road, there is property along both sides of White Oak Bayou that could offer approximately 6.5 acres of new park land to the City. The property currently is shown on the tax rolls to be owned by the Steeplechase Park Owner's Association, and therefore would require either acquisition of the land or execution of an interlocal agreement for development.

This area of Jersey Village is under-served with regards to recreation and is one of the most significant service gaps in the parks system. With multifamily residential development along Pleasant Colony Drive, providing a neighborhood park is a priority for the area.

The proposed concept offers a rich selection of features and amenities including the following:

- Pavilions
- Playground
- Multi-use Field
- Workout Stations
- Basketball Court
- Tennis Court
- Restroom
- Trails
- Parking
- Lighting
- Landscaping



Figure 90. Example of proposed basketball courts.

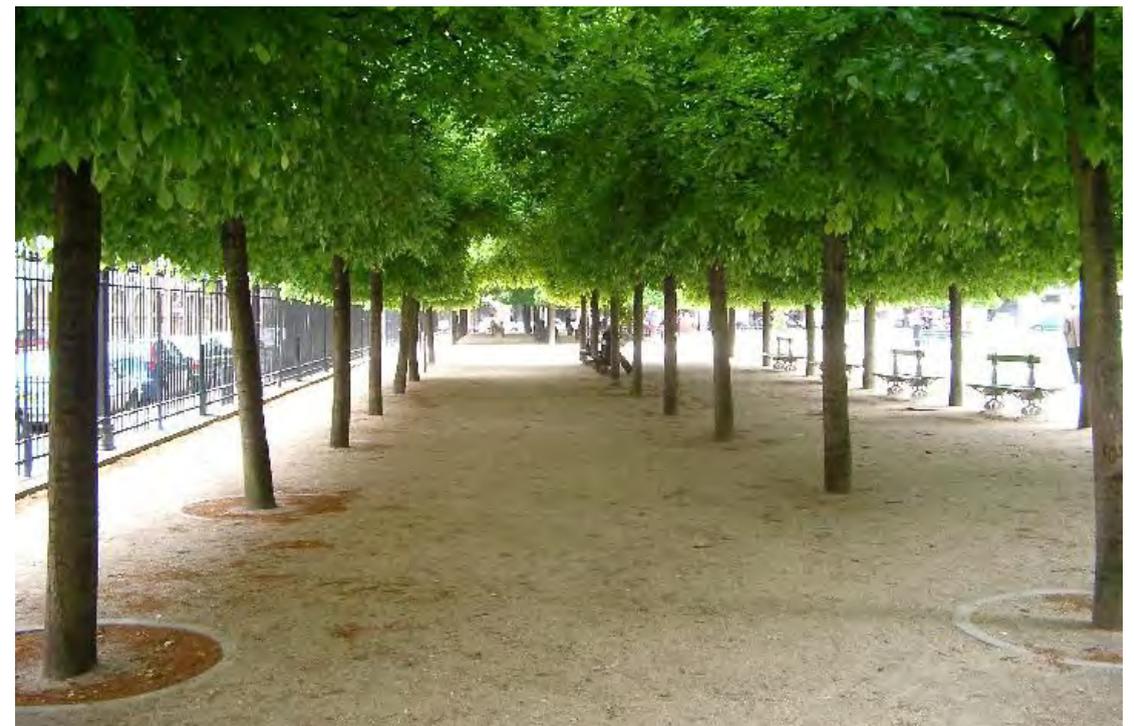


Figure 91. Example of proposed alley of shade trees with decomposed granite pathway.

Figure 92. Concept for park on Pleasant Colony Drive.



Improvements to Philippine Park

Philippine Park is a quiet, passive park with ample shade and a minimum of amenities. The park offers plenty of open space for recreation such as taking a walk, reading a book, or other passive activities. The majority of the park resides within the Regulatory Floodway, thereby limiting most types of development such as structures. There is, however an opportunity to add features such as walking paths and a nature-themed playground. Other proposed amenities include site furnishings such as picnic tables, a bike rack, and benches.

The park is located within walking distance of E.S. Post Elementary and is adjacent to a day care facility. With education in mind, the proposed concept includes an outdoor learning center that would be comprised of a pavilion structure with seating and an open 'outdoor learning ring' that provides an environment outside the classroom for teaching under the shade of trees.

Figure 94. Example of typical seating along the proposed pathways in Philippine Park.



Figure 93. Example of natural play elements.

Figure 95. Example of outdoor classroom.



Figure 96. Concept for improvements to Philippine Park.



Recreation at the Civic Center

The existing Civic Center is a building that has changed use over time. Once a Church for many years, the City took ownership and converted it into a multi-purpose facility that serves as City Council chambers, offices for the Parks and Recreation Department, and is home to various events and activities throughout the year. The outside area is home to the monthly Farmer's Market, a popular event in the community.

As the City looks forward to development of a new City Hall in the future Village Center development, the property is primed for re-use once again. The City plans to dedicate the property to the Parks and Recreation Department, and the question then becomes: "how do we best utilize the site and facilities?". The site offers an opportunity to formalize some space for outdoor events. As alternative to a proposed amphitheater at Clark Henry Park, one could be developed at the Civic Center for a wide variety of community events.

The Civic Center facility itself is a sound structure that has the chance to be re-purposed for recreation. While not capable of hosting all types of indoor activities such as swimming, running, or basketball, the building has ample room to create indoor recreation opportunities. Some activities that are ideally suited for a building like this include fitness equipment, weight rooms, studios for yoga and similar activities, and multi-purpose rooms that are flexible for programmed activities and rental.

Conversion of the Civic Center to a recreation facility requires a intensive evaluation of the structure and programming of amenities that goes beyond the scope of a master plan. It is recommended that a separate feasibility study be conducted to delve into the architectural opportunities and constraints, identify a suitable program for improvements, and establish opinions of probable cost.



Figure 97. Low-cost elements such as bouldering walls can create new and interesting recreation activities for residents.



Figure 98. Non-traditional use of buildings for recreation is more common than one may think. One example is the City of Boerne, TX, where for many years they partnered with the YMCA to operate a recreation center within a local retail strip center. Such an example illustrates that re-use of existing buildings can be a feasible and cost-conscious means of accomplishing community goals.

Figure 98. Concept for proposed recreation center and landscape improvements at the Civic Center.



Proposed Passive Open Space Park

An existing City-owned property and adjacent right-of-way along White Oak Bayou near the intersection of Kube Court and Senate Avenue offers an opportunity to add an approximate 2.0 acres of new park land. The parcel is partially forested and resides behind a row of houses, lending it to use as a passive open space rather than a highly-developed park.

The proposed amenities include a small parking lot, interior pathways, decorative foot bridges, landscaping, and interpretive signage describing natural features in the area. Benches and picnic tables would be located at scenic points within the park. The park would provide a quiet place for relaxation and enjoying views of nature.



Figure 99. This park is envisioned as a relaxing location to get away for a few hours in the quiet shade along White Oak Bayou.



Figure 100. Interpretive signs are proposed to educate park visitors about local flora, fauna, and natural systems.

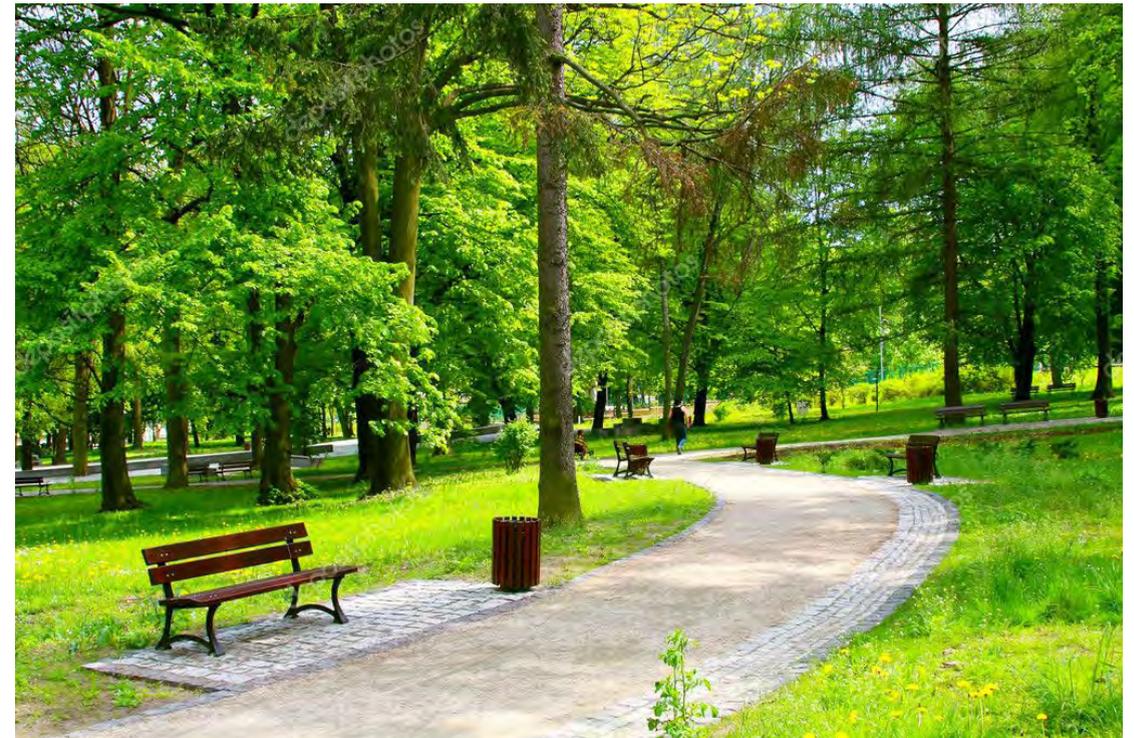


Figure 101. Proposed pathways within the park with seating nodes.

Figure 102. Concept for a new passive open space park in the north park of Jersey Village.



Proposed Trails along White Oak Bayou

Jersey Village has a complete network of sidewalks throughout the City, however only has one trail dedicated to recreation. The bayous that transect the City present the opportunity to provide pedestrian and bicycle connections across town, linking parks, neighborhoods, and public spaces.

The rights-of-way along the bayous in Jersey Village are owned and maintained by the Harris County Flood Control District (HCFCD). Should the City develop these trails along the bayous, the design and construction must meet the standards established by HCFCD, and the City will be required to maintain the right-of-way from then on. It will be important to consider the added maintenance costs when moving forward with this project, however the benefits of this addition to the park system may outweigh this cost. A total of 2.7 miles of trails are proposed.

The proposed trail along the southern tributary of White Oak Bayou is planned to connect to the future Village Center along SH 290. The planned route works well with the proposed design of the Village Center, however crossing SH 290 would require routing the trail under the highway bridge with a culvert/tunnel. If this is not feasible due to cost, the route can be realigned to cross at the intersection of Jones Road and SH 290.



Figure 103. Trailhead opportunity at Welwyn Park. The existing gate could be modified to allow access to a proposed trail along the bayou.



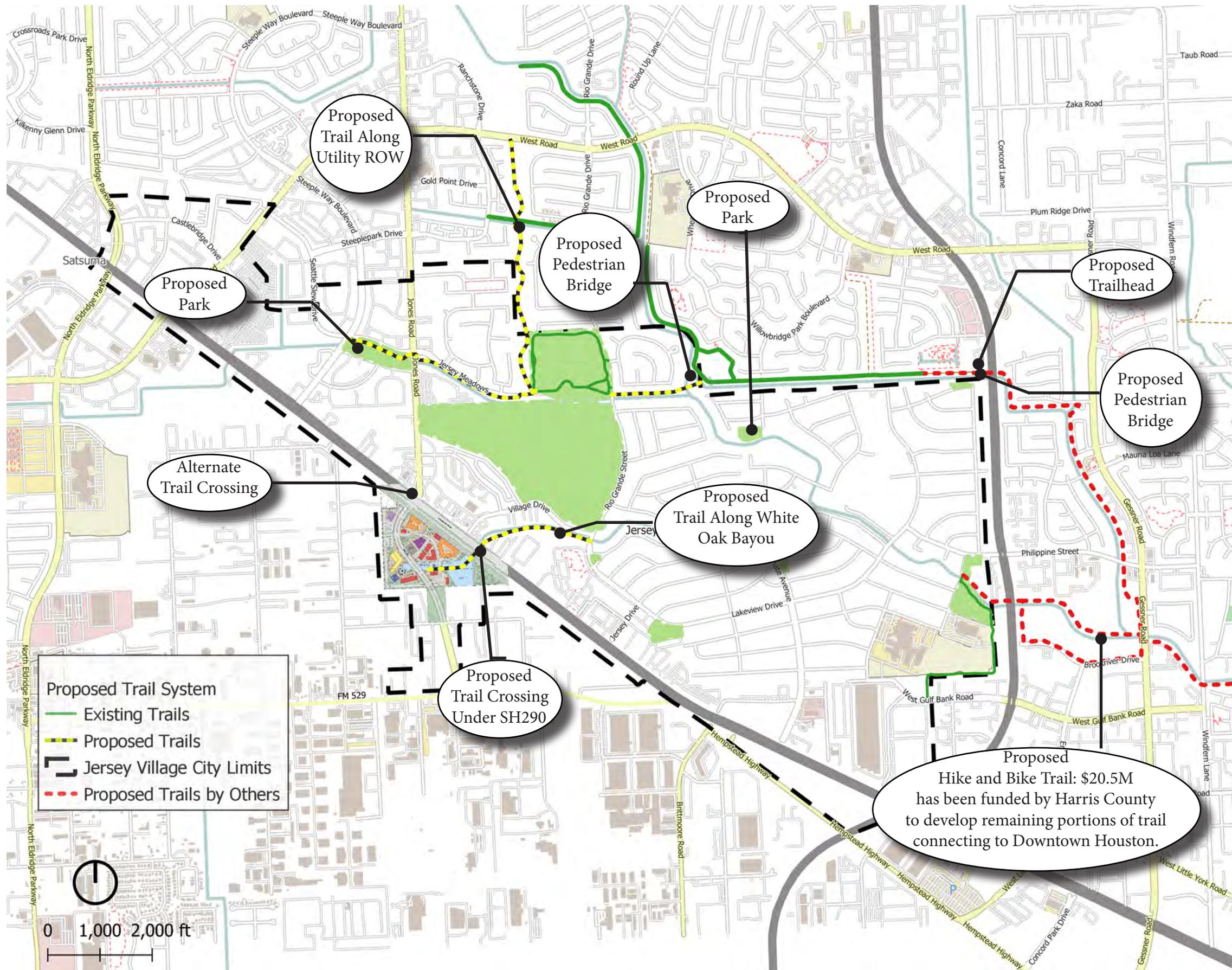
Figure 104. Example of a pedestrian bridge crossing along Brays Bayou in Houston, TX.



Figure 105. Existing hike and bike trail along White Oak Bayou in Jersey Village.

Proposed Jersey Village Trail System

Figure 106. Proposed city-wide trail alignments.



Parks Master Plan Open House

A public 'open house' event was hosted on November 10th, 2020 at the Civic Center to update residents on the progress of the master plan development and to share preliminary concepts for improvements to the Jersey Village parks system.

A summary of public input to date was available along with displays detailing proposed park improvements, new parks, proposed trails, and facilities. Residents were asked to identify their favorite concepts and leave comments at each of several stations. The consulting team was available to discuss concepts and answer questions with residents throughout the event.

Total participation is estimated a between 50 and 60 residents for the Open House. A total of 46 participants signed in, though more signed as families. All participants, consultants, and City staff practiced the use of masks and hand sanitizers to limit potential spread of Covid 19.



Figure 107. Residents discussing proposed concepts during the Parks Master Plan Open House.



Figure 108. Residents discussing proposed concepts during the Parks Master Plan Open House.

Proposed Concepts	Sticker Votes
Delozier Park Improvements	
Playgrounds	6
Seating Area	3
Pavilion	7
JV Dog Park Improvements	
Pavilions	8
Pathways	2
Drinking Fountain	4
JV Nature Trail Improvements	
Bridges and Boardwalks	34
Interpretive Signs	3
St. John Park Improvements	
Picnic Area and Swinging Benches	2
Fire Pit	3
Plaza	3
Philippine Park Improvements	
Outdoor Classroom	2
Decorative Landscaping	1
Pathways with Benches	2
Clark Henry Park Improvements	
New Playground Structures	2
Multi-use Sports Field	11
Tee-Ball Field	6
Benches along Trail	8
Overall Concept	1
Carol Fox Park Improvements	
Restrooms	27
Seating along Pathways	1
Pavilion	14
Shade Sails over Playgrounds	9
Overall Concept	1

Table 6. Tabulation of 'Sticker Votes' cast by Open House participants to identify their favorite concepts for improvements to the parks system. Votes are used to gauge overall interest in each proposed feature.

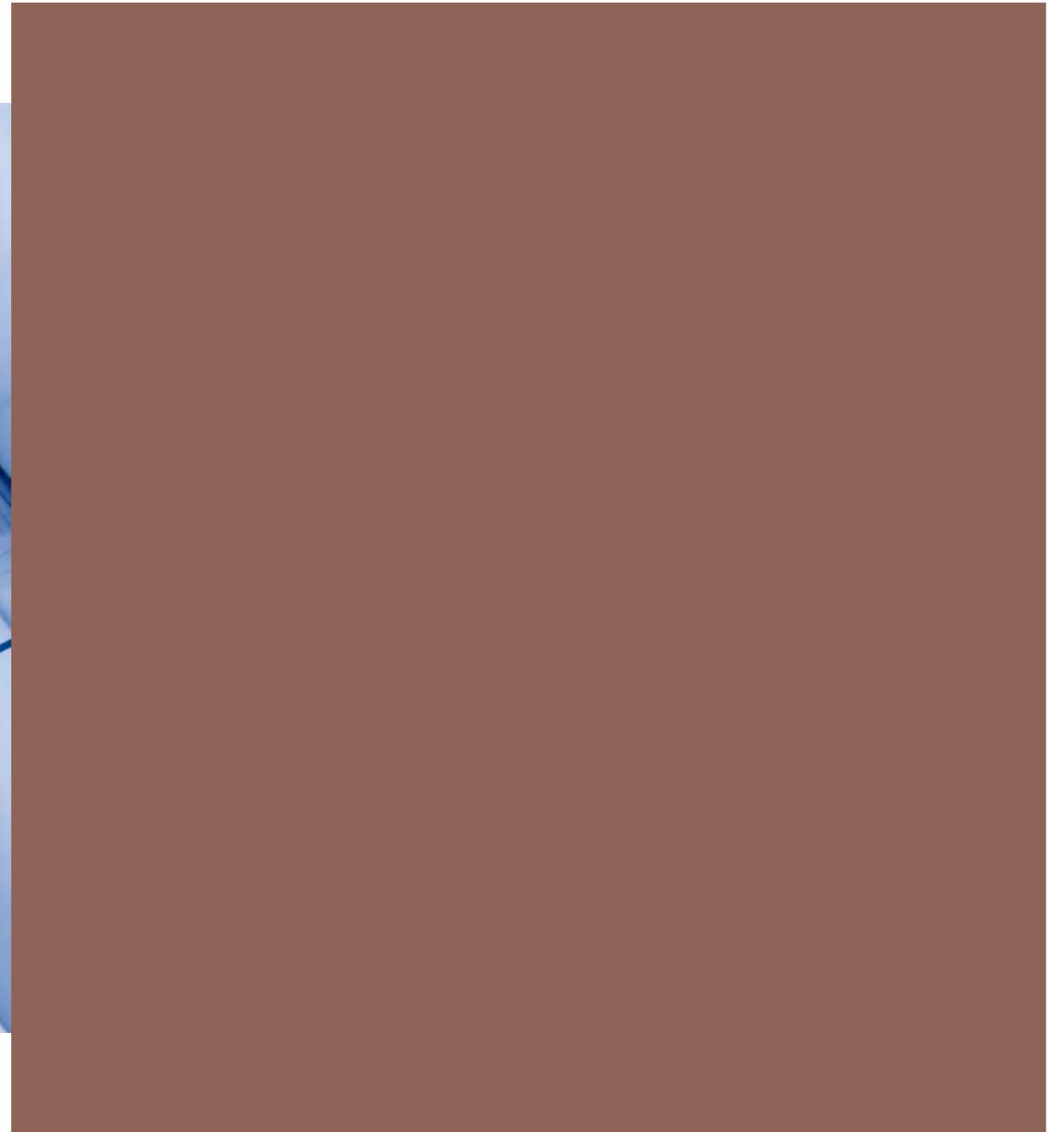
New Passive Open Space Park	
Picnic Area, Seating Nodes, and Swinging Benches	5
Decorative Wooden Foot Bridges	2
Pathways with Benches	1
New Pleasant Colony Park	
Athletic Practice Field with Bleachers	2
Tennis Courts	3
Basketball Courts	5
Overall Concept	2
Trail System	
Pedestrian Bridge near Ballinger Park	19
Trail Crossing under SH 290 to Village Center	18
Pedestrian Bridge near Welwyn Park	9
White Oak Bayou Trail	1
Overall Concept	3



Figure 109. Residents discussing proposed concepts during the Parks Master Plan Open House.



IMPLEMENTATION PLAN



Project Prioritization
Potential Projects
Project Design and Construction
Funding Opportunities

Project Implementation

The *Parks Master Plan* identifies the potential projects for parks and recreation, and justification through stakeholder input. However, the timing of project implementation is largely a function of funding availability and the City's will to move forward on a given project.

Potential Projects

The following Potential Projects have been identified for consideration in this plan:

- Improvements to Carol Fox Park
- Improvements to Clark Henry Park
- Improvements to Jersey Village Dog Park
- Improvements to St. John Park
- Improvements to De Lozier Park
- New Neighborhood Park on Pleasant Colony Drive
- Outdoor Classroom at Philippine Park
- New Passive Open Space Park
- Trailhead at Welwyn Park
- Trails along Bayous
- Recreation at the Civic Center
- Enhancements to Jersey Meadow Nature Trail

City Council may elect to implement all or none of the projects identified in this master plan. These projects should be viewed as opportunities, however this plan does not commit the City to any given project for implementation.

Project Design and Construction

When it comes to parks and recreation planning, identifying the needs of residents and developing a vision for the future parks system are important first steps. Once a project has been identified and approved for further study, the process of funding, design and construction can begin.

The proposed parks projects would likely be funded through a municipal bond, while also exploring other funding mechanisms. Following a decision to move forward on a potential project, the City will need to engage a qualified design team to further program the details of the project.

The Design Development phase of this process will allow the City to further refine the important details that bring the park and recreation project to life. This process will include several iterations of projected costs, revisions and refinements that ultimately will be turned into construction documents. It is important during to continue to gather input from stakeholders during this process to ensure that key details are not left out.

Construction documentation, bidding and construction of the project is the phase where it will be important to have the right team for the job. Quality construction documents followed by strict adherence to the drawings during construction administration will ultimately determine the quality of the end result. All too often great projects are turned over to a general contractor to be completed with insufficient supervision, resulting in poor performance, change orders and added costs. The City will need the designer to act as an advocate for the City throughout the construction process to ensure success.

As the City continues with improvements and additions to the parks system, funding is often the key player in the decision making process. On the following pages are a variety of State and Federal grant programs available to aid cities in the enhancement of parks and recreation facilities and other public space projects.

Funding Opportunities

As the City continues with improvements and additions to the parks system, funding is often the key player in the decision making process. The following are the primary funding mechanisms for the Parks and Recreation Department. Additionally, there are a variety of State and Federal grant programs available to aid cities in the enhancement of parks and recreation facilities and programs.

Special Revenue Funds - Hotel/ Motel Occupancy Tax Fund

This fund is used to account for proceeds from hotel occupancy taxes received during the year. Expenditures from this fund are restricted to tourism activities. An appropriations style budget is adopted for this fund on an annual basis. Examples of activities that may qualify for use of this fund are multi-day festivals, tournaments, and similar events that can attract visitors to stay overnight in the community. Expenditures must fit into one of the categories authorized by statute. According to the Comptroller's Data Analysis & Transparency Division, these categories include:

- The construction, maintenance and operation of a convention or visitor center;
- Facilities and personnel for the registration of convention delegates;
- Advertising and promotional programs to attract tourists;
- Encouragement and promotion of the arts;
- Historical restoration and preservation projects;
- Advertising to encourage tourists to visit historic sites and museums;
- Signage directing the public to sights and attractions frequently visited by tourists;
- Certain transportation systems serving tourists and hotel guests; and, for certain cities, Sporting events for which the majority of participants come from out of town;
- Qualifying sports facilities that routinely host regional or national tournaments; and
- Coliseums or multi-use facilities.

Community Development Block Grants

The Department of Housing and Urban Development (HUD) provides assistance to communities across the nation for a wide range of activities through the Community Development Block Grants Program. These funds are often distributed to individual communities by the state as match-grants to fund projects supporting economic development and improved quality of life. Texas Parks and Wildlife Department awards grants from this program annually to develop and enhance parks and open space.

Certificates of Obligation

A certificate of obligation (CO) is a debt instrument that can be issued by a city, county, or health/hospital district to: (1) pay for the construction of a public work; (2) purchase materials, supplies, equipment, machinery, buildings, land, and right-of-way for authorized needs and purposes; and (3) pay contractual obligations for professional services. COs function similarly to bonds, but with fewer procedural requirements. COs are issued for terms of up to 40 years and usually are supported by property taxes or other local revenues.

TRPA Grants Program (match grants)

Local Parks Non-Urban Outdoor - potential funding: \$750,000

Small Community - potential funding: \$150,000

Recreation Trails - potential funding: \$200,000

The Texas Recreation and Parks Account (TRPA) is funded by a portion of Texas sales tax received on selected sporting goods. These grants are awarded to applicants annually at varied levels depending on project type and available resources for the funding cycle. These funds are administered by the Texas Parks and Wildlife Department's Recreation Grants Branch for five programs including 1) Outdoor Recreation 2) Indoor Recreation 3) Small Community 4) Regional 5) Community Outdoor Outreach Program. All grant assisted sites must be dedicated as parkland in perpetuity, properly maintained and open to the public.

Transportation Equity Act (SAFETEA-LU) - Recreation Trails Program

The Transportation Safety Act, also known as the Safe, Accountable, Flexible, Efficient Transportation Act: A Legacy for Users (SAFETEA-LU), provides for the distribution of funds from the Federal Highway Administration (FHWA). The Federal Highway Administration is the largest source of funding for shared use paths, trails and related projects. The Recreational Trails Program, an assistance program to FHWA, distributes funds for a range of activities including:

- Maintenance and restoration of existing trails.
- Development and rehabilitation of trailside and trailhead facilities and

trail linkages.

- Purchase and lease of trail construction and maintenance equipment.
- Construction of new trails (with restrictions for new trails on Federal lands).
- Acquisition of easements or property for trails.
- Assessment of trail conditions for accessibility and maintenance.
- Development and dissemination of publications and operation of educational programs to promote safety and environmental protection related to trails (including supporting non-law enforcement trail safety and trail use monitoring patrol programs, and providing trail-related training) (limited to 5 percent of a State's funds).
- State administrative costs related to this program (limited to 7 percent of a State's funds).

National Recreational Trails Fund

TPWD administers the National Recreational Trails Fund (NRTF) in Texas under the approval of the Federal Highway Administration (FHWA). The National Recreational Trails Fund supports recreational trail construction, renovation and acquisition. The grants are funded from a portion of the federal gas tax generated by gasoline purchases for off-road motorcycles and four-wheelers. Thirty percent of the total NRTF grants must be earmarked for motorized recreational trails, while another 30 percent must be spent on non-motorized trail projects. The remaining 40 percent is discretionary. The reimbursable grants can be up to 80% of project cost with a maximum of \$200,000 for non-motorized trail grants and a maximum award of \$400,000 for motorized (off-highway vehicle) trail grants.

In May 2019, the Texas Parks and Wildlife Commission approved \$3.81 million dollars in grants to fund 22 motorized and non-motorized recreational trail-related projects across the state.

APPENDIX



Opinions of Probable Cost for Proposed Projects Maintenance Costs Project Prioritization

Table 8. Opinion of Probable Costs (OPC) DRAFT

	Item / Description	Qty	Unit	Rate	Cost
1	Site				\$78,811
1.1	General Requirements/Mobilization	1	5%	\$0.05	\$21,892
1.2	Sitework	1	7%	\$0.07	\$30,649
1.3	Demolition/Clearing & Grubbing	1	3%	\$0.03	\$13,135
1.4	Utilities	1	3%	\$0.03	\$13,135
2	Parking				\$-
3	Structures				\$-
4	Hardscapes				\$62,340
4.1	Concrete Sidewalks	980	lf	\$33	\$32,340
4.2	Site Furnishings (litter, benches, bike racks, picnic)	1	allow	\$30,000	\$30,000
5	Play Amenities				\$270,000
5.2	120' baseball field	1	ea	\$120,000	\$120,000
5.5	Open Fields (multi-use)	1	ea	\$150,000	\$150,000
6	Landscape				\$105,500
6.1	Landscape Beds & Mulch	5000	sf	\$16.50	\$82,500
6.2	Irrigation - Planting Beds	5000	sf	\$2.10	\$10,500
6.3	Tree Preservation	1000	lf	\$12.50	\$12,500
	Subtotal				\$516,651
	Contractor's OH/Markup				\$129,163
	Contingency				\$32,291
	Total				\$678,105
	Professional Services Allowance		15%	\$0.15	\$101,716
	Total Project Cost Range				\$779,820

Improvements to Clark Henry Park

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Table 9. Opinion of Probable Costs (OPC) DRAFT

Item / Description	Qty	Unit	Rate	Cost
1 Site				\$62,177
1.1 General Requirements/Mobilization	1	5%	\$0.05	\$17,271
1.2 Sitework	1	7%	\$0.07	\$24,180
1.3 Demolition/Clearing & Grubbing	1	3%	\$0.03	\$10,363
1.4 Utilities	1	3%	\$0.03	\$10,363
2 Parking				\$-
3 Structures				\$206,000
3.1 Restroom (family)	1	ea	\$100,000	\$100,000
3.2 Shade Sails	2	ea	\$45,000	\$90,000
3.3 Picnic Shelter	1	ea	\$16,000	\$16,000
4 Hardscapes				\$48,425
4.1 Concrete Sidewalks	225	lf	\$33	\$7,425
4.2 Site Furnishings (litter, benches, bike racks, picnic)	1	allow	\$25,000	\$25,000
4.5 Exterior Lighting (Pedestrian-Pole)	6	ea	\$1,500	\$9,000
4.8 Water Fountains	1	ea	\$7,000	\$7,000
5 Play Amenities				\$91,000
5.1 Poured in place surface	6,500	sf	\$14	\$91,000
6 Landscape				\$-
Subtotal				\$407,602
Contractor's OH/Markup				\$101,900
Contingency				\$25,475
Total Construction Costs				\$534,977
Professional Services Allowance		15%	\$0.15	\$80,247
Total Project Costs				\$615,224

Improvements to Carol Fox Park

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Table 10. Opinion of Probable Costs (OPC) DRAFT

Item / Description	Qty	Unit	Rate	Cost
1 Site				\$57,238
1.1 General Requirements/Mobilization	1	5%	\$0.05	\$15,899
1.2 Sitework	1	7%	\$0.07	\$22,259
1.3 Demolition/Clearing & Grubbing	1	3%	\$0.03	\$9,540
1.4 Utilities	1	3%	\$0.03	\$9,540
2 Parking				\$-
3 Structures				\$25,000
3.4 Outdoor Learning	1	ea	\$25,000	\$25,000
4 Hardscapes				\$39,189
4.1 Concrete Sidewalks	733	lf	\$33	\$24,189
4.2 Site Furnishings (litter, benches, bike racks, picnic)	1	allow	\$15,000	\$15,000
4.3 Outdoor learning ring	1	allow	\$12,000	\$12,000
5 Play Amenities				\$80,000
5.2 Nature Playgrounds - 2-5/5-12	1	ea	\$80,000	\$80,000
6 Landscape				\$173,800
6.1 Landscape Beds & Mulch	8000	sf	\$16.50	\$132,000
6.2 Irrigation - Planting Beds	8000	sf	\$2.10	\$16,800
6.3 Tree Preservation	2000	lf	\$12.50	\$25,000
Subtotal				\$375,227
Contractor's OH/Markup				\$93,807
Contingency				\$23,452
Total				\$492,485
Professional Services Allowance		15%	\$0.15	\$73,873
Total Project Cost Range				\$566,358

Improvements to Philippine Park

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Table 11. Opinion of Probable Costs (OPC) DRAFT

Item / Description	Qty	Unit	Rate	Cost
1 Site				\$47,322
1.1 General Requirements/Mobilization	1	5%	\$0.05	\$13,145
1.2 Sitework	1	7%	\$0.07	\$18,403
1.3 Demolition/Clearing & Grubbing	1	3%	\$0.03	\$7,887
1.4 Utilities	1	3%	\$0.03	\$7,887
2 Parking				\$-
3 Structures				\$-
4 Hardscapes				\$38,150
4.1 Concrete Sidewalks	550	lf	\$33	\$18,150
4.2 Site Furnishings (litter, benches, bike racks, picnic)	1	allow	\$20,000	\$20,000
5 Play Amenities				\$15,000
51 Bouldering Wall (wood construction)	1	allow	\$15,000	\$15,000
6 Landscape				\$209,750
6.1 Landscape Beds & Mulch	10000	sf	\$16.50	\$165,000
6.2 Irrigation - Planting Beds	10000	sf	\$2.10	\$21,000
6.3 Trees (45 gal)	15	ea	\$500	\$7,500
6.4 Irrigation Drip - Trees	15	ea	\$250	\$3,750
6.5 Tree Preservation	1000	lf	\$12.50	\$12,500
Subtotal				\$310,222
Contractor's OH/Markup				\$77,556
Contingency				\$19,389
Total				\$407,166
Professional Services Allowance		15%	\$0.15	\$61,075
Total Project Cost				\$468,241

Recreation at the Civic Center

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Table 12. Opinion of Probable Costs (OPC) DRAFT

Item / Description	Qty	Unit	Rate	Costs
1 Site				\$58,308
1.1 General Requirements/Mobilization	1	5%	\$0.05	\$16,197
1.2 Sitework	1	7%	\$0.07	\$22,675
1.3 Demolition/Clearing & Grubbing	1	3%	\$0.03	\$9,718
1.4 Utilities	1	3%	\$0.03	\$9,718
2 Parking				\$-
3 Structures				\$85,000
3.1 Pavilion (Large 30x30)	1	ea	\$85,000	\$85,000
4 Hardscapes				\$55,435
4.1 6' Concrete Sidewalks	320	lf	\$33	\$10,560
4.2 Site Furnishings (litter, benches, bike racks, picnic)	1	allow	\$30,000	\$30,000
4.5 Exterior Lighting (Pedestrian-Pole)	2	ea	\$1,500	\$3,000
4.6 Decomposed Granite Plaza	890	sf	\$5	\$4,450
4.7 Seat Walls	165	lf	\$45	\$7,425
5 Play Amenities				\$120,000
5.1 Pre-fabricated Playground - 2-5/5-12	1	ea	\$120,000	\$120,000
6 Landscape				\$63,500
6.1 Trees (45 gal)	6	ea	\$500	\$3,000
6.2 Landscape Beds	2500	sf	\$16.50	\$41,250
6.3 Irrigation - Planting Beds	2500	sf	\$2.10	\$5,250
6.4 Irrigation Drip - Trees	6	ea	\$250	\$1,500
6.5 Tree Preservation	1000	lf	\$12.50	\$12,500
Subtotal				\$382,243
Contractor's OH/Markup				\$95,561
Contingency				\$23,890
Total Construction Costs				\$501,694
Professional Services Allowance		15%	\$0.15	\$75,254
Total Project Costs				\$576,948

Improvements to De Lozier Park

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Table 13. Opinion of Probable Costs (OPC) DRAFT

Item / Description	Qty	Unit	Rate	Cost
1 Site				\$607,240
1.1 General Requirements/Mobilization	1	5%	\$0.05	\$178,600
1.2 Sitework	1	6%	\$0.06	\$214,320
1.3 Demolition/Clearing & Grubbing	1	3%	\$0.03	\$107,160
1.4 Utilities	1	3%	\$0.03	\$107,160
2 Parking				\$-
3 Structures				\$-
4 Hardscapes				\$1,760,000
4.1 Concrete Sidewalks	18500	lf	\$27	\$499,500
4.2 Site Furnishings (litter, benches, bike racks, picnic)	1	allow	\$80,000	\$80,000
4.3 Exterior Lighting (Pedestrian-Pole)	50	ea	\$1,500	\$75,000
4.4 Water Fountains	4	ea	\$7,000	\$28,000
4.5 Boardwalks	14000	sf	\$60	\$840,000
4.6 Pedestrian Bridges (3 total)	350	lf	\$250	\$87,500
4.7 Signage and Wayfinding	1	allow	\$150,000	\$150,000
5 Play Amenities				\$80,000
5.1 Nature Playgrounds	1	allow	\$80,000	\$80,000
6 Landscape				\$1,732,000
6.1 Landscape Beds & Mulch	20000	sf	\$16.50	\$330,000
6.2 Irrigation - Planting Beds	20000	sf	\$2.10	\$42,000
6.3 Trees (30 gal)	100	ea	\$350	\$35,000
6.4 Irrigation Drip - Trees	100	ea	\$250	\$25,000
6.5 Created Wetlands	130000	sf	\$10	\$1,300,000
Subtotal				\$4,179,240
Contractor's OH/Markup				\$1,044,810
Contingency				\$261,203
Total Construction Costs				\$5,485,253
Professional Services Allowance		15%	\$0.15	\$822,788
Total Project Costs				\$6,308,040

Improvements to Jersey Meadow Nature Trail

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Table 14. Opinion of Probable Costs (OPC) DRAFT

Item / Description	Qty	Unit	Rate	Cost
1 Site				\$23,013
1.1 General Requirements/Mobilization	1	5%	\$0.05	\$6,393
1.2 Sitework	1	7%	\$0.07	\$8,950
1.3 Demolition/Clearing & Grubbing	1	3%	\$0.03	\$3,836
1.4 Utilities	1	3%	\$0.03	\$3,836
2 Parking				\$-
3 Structures				\$58,000
3.1 Pavilion (Medium 10x20)	1	ea	\$26,000	\$26,000
3.2 Picnic Shelter (10x10)	2	ea	\$16,000	\$32,000
4 Hardscapes				\$53,850
4.1 Concrete Sidewalks	50	lf	\$33	\$1,650
4.2 Site Furnishings (litter, benches, waste station, picnic, bike rack)	1	allow	\$20,000	\$20,000
4.3 Exterior Lighting (Pedestrian-Pole)	4	ea	\$1,500	\$6,000
4.4 6' Decomposed Granite loop trails	640	lf	\$30	\$19,200
4.5 Water Fountains	1	ea	\$7,000	\$7,000
5 Play Amenities				\$10,000
5.1 Pre-fabricated Obstacle Course	1	ea	\$10,000	\$10,000
6 Landscape				\$6,000
6.1 Trees (45 gal)	8	ea	\$500	\$4,000
6.2 Irrigation Drip - Trees	8	ea	\$250	\$2,000
Subtotal				\$150,863
Contractor's OH/Markup				\$37,716
Contingency				\$9,429
Total				\$198,008
Professional Services Allowance		15%	\$0.15	\$29,701
Total Project Cost Range				\$227,709

Improvements to the Jersey Village Dog Park

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Table 15. Opinion of Probable Costs (OPC) DRAFT

Item / Description	Qty	Unit	Rate	Costs
1 Site				\$7,336
1.1 General Requirements/Mobilization	1	5%	\$0.05	\$2,038
1.2 Sitework	1	7%	\$0.07	\$2,853
1.3 Demolition/Clearing & Grubbing	1	3%	\$0.03	\$1,223
1.4 Utilities	1	3%	\$0.03	\$1,223
2 Parking				\$-
3 Structures				\$-
4 Hardscapes				\$28,255
4.1 Concrete Sidewalks	235	lf	\$33	\$7,755
4.2 Site Furnishings (litter, benches, bike racks, picnic)	1	allow	\$15,000	\$15,000
4.5 Exterior Lighting (Pedestrian-Pole)	1	ea	\$1,500	\$1,500
4.6 Decomposed Granite Plaza	350	sf	\$5	\$1,750
4.7 Seat Walls	50	lf	\$45	\$2,250
5 Play Amenities				\$-
6 Landscape				\$12,500
6.1 Tree Preservation	1000	lf	\$12.50	\$12,500
Subtotal				\$48,091
Contractor's OH/Markup				\$12,023
Contingency				\$3,006
Total Construction Costs				\$63,119
Professional Services Allowance		15%	\$0.15	\$9,468
Total Project Costs				\$72,587

Improvements to St. John Park

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Table 16. Opinion of Probable Costs (OPC) DRAFT

Item / Description	Qty	Unit	Rate	Costs
1 Site				\$245,689
1.1 General Requirements/Mobilization	1	5%	\$0.05	\$68,247
1.2 Sitework	1	7%	\$0.07	\$95,546
1.3 Demolition/Clearing & Grubbing	1	3%	\$0.03	\$40,948
1.4 Utilities	1	3%	\$0.03	\$40,948
2 Parking				\$95,500
2.1 Pavement - Concrete (24 spaces)	7,400	sf	\$7.50	\$55,500
2.3 Crosswalk & ADA Ramps	8	ea	\$1,500	\$12,000
2.4 Striping & Signage	1	allow	\$12,000	\$12,000
2.5 Parking Lot Lighting	4	ea	\$4,000	\$16,000
3 Structures				\$217,000
3.1 Restroom (family)	1	ea	\$100,000	\$100,000
3.3 Pavilion (Large 30x30)	1	ea	\$85,000	\$85,000
3.4 Pavilion (Medium 20x20)	1	ea	\$32,000	\$32,000
4 Hardscapes				\$410,240
4.2 Site Furnishings (litter, benches, bike racks, picnic)	1	allow	\$35,000	\$35,000
4.5 Exterior Lighting (Pedestrian-Pole)	6	ea	\$1,500	\$9,000
4.6 Decomposed Granite Plaza	1600	sf	\$5	\$8,000
4.7 Concrete Trails (1 mile)	5280	lf	\$33	\$174,240
4.8 Water Fountains	2	ea	\$7,000	\$14,000
4.10 Wayfinding/Signage	1	allow	\$20,000	\$20,000
4.11 Pedestrian Bridge	1	allow	\$150,000	\$150,000
5 Play Amenities				\$508,000
5.1 Pre-fabricated Playground - 2-5/5-12	1	allow	\$250,000	\$250,000
5.5 Open Fields (multi-use)	1	ea	\$10,000	\$10,000
5.8 Workout Stations	5	ea	\$10,000	\$50,000
5.9 Tennis Court	1	ea	\$78,000	\$78,000
5.1 Basketball Court	2	ea	\$60,000	\$120,000
6 Landscape				\$134,200

Proposed Pleasant Colony Park

6.1	Trees (45 gal)	36	ea	\$500	\$18,000
6.2	Landscape Beds & Mulch	2500	sf	\$16.50	\$41,250
6.3	Grass - Sodded	15000	sf	\$0.32	\$4,800
6.4	Grass - Fine Grading, Seeded	2.00	ac	\$3,200	\$6,400
6.5	Irrigation - Grass	15000	sf	\$0.80	\$12,000
6.6	Irrigation - Planting Beds	2500	sf	\$2.10	\$5,250
6.7	Irrigation Drip - Trees	36	ea	\$250	\$9,000
6.8	Tree Preservation	3000	lf	\$12.50	\$37,500

Subtotal **\$1,610,629**

Contractor’s OH/Markup \$402,657

Contingency \$100,664

Total **\$2,113,951**

Professional Services Allowance 15% \$0.15 \$317,093

Total Project Cost Range **\$2,431,043**

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Table 17. Opinion of Probable Costs (OPC) DRAFT

	Item / Description	Qty	Unit	Rate	Costs
1	Site				\$63,720
1.1	General Requirements/Mobilization	1	5%	\$0.05	\$17,700
1.2	Sitework	1	7%	\$0.07	\$24,780
1.3	Demolition/Clearing & Grubbing	1	3%	\$0.03	\$10,620
1.4	Utilities	1	3%	\$0.03	\$10,620
2	Parking				\$24,000
2.1	Pavement - Concrete (8 spaces)	2,200	sf	\$7.50	\$16,500
2.3	Crosswalk & ADA Ramps	1	ea	\$1,500	\$1,500
2.4	Striping & Signage	1	allow	\$2,000	\$2,000
2.5	Parking Lot Lighting	1	ea	\$4,000	\$4,000
3	Structures				
4	Hardscapes				\$274,000
4.1	Concrete Sidewalks	7000	lf	\$33	\$231,000
4.2	Site Furnishings (litter, benches, bike racks, picnic)	1	allow	\$20,000	\$20,000
4.3	Exterior Lighting (Pedestrian-Pole)	4	ea	\$1,500	\$6,000
4.4	Water Fountains	1	ea	\$7,000	\$7,000
4.5	Decorative Wooden Bridges	2			
4.6	Wayfinding/Signage	1	allow	\$10,000	\$10,000
5	Play Amenities				\$-
6	Landscape				\$56,000
6.1	Trees (45 gal)	20	ea	\$500	\$10,000
6.2	Grass - Fine Grading, Seeded	5.00	ac	\$3,200	\$16,000
6.3	Irrigation Drip - Trees	20	ea	\$250	\$5,000
6.4	Tree Preservation	2000	lf	\$12.50	\$25,000
	Subtotal				\$417,720
	Contractor's OH/Markup				\$104,430
	Contingency				\$26,108
	Total				\$548,258
	Professional Services Allowance		15%	\$0.15	\$82,239
	Total Project Cost Range				\$630,496

Proposed Passive Open Space Park

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Figure 18. Opinion of Probable Costs (OPC) DRAFT

Item / Description		Qty	Unit	Rate	Costs
1	Site				\$175,579
1.1	General Requirements/Mobilization	1	5%	\$0.05	\$48,772
1.2	Sitework	1	7%	\$0.07	\$68,281
1.3	Demolition/Clearing & Grubbing	1	3%	\$0.03	\$29,263
1.4	Utilities	1	3%	\$0.03	\$29,263
2	Parking				\$-
3	Structures				\$-
4	Hardscapes				\$975,440
4.1	Dog Park to Bayou (10' wide, asphalt) (0.328 miles)	1734	lf	\$46	\$79,764
4.2	Pleasant Colony Park to Nature Trail (10 wide, asphalt) (0.75 miles)	3985	lf	\$46	\$183,310
4.5	Rio Grande to Village Center (10' wide, asphalt) (0.64 miles)	3403	lf	\$46	\$156,538
4.6	Utility Easement from Nature Trail to West Road (10' wide, asphalt) (0.97 miles)	5124	lf	\$47	\$240,828
4.7	Pedestrian Bridge across Bayou, Steel Framed, Trex Decking (8' wide, 175'Long)*	1400	sf	\$225	\$315,000
5	Play Amenities				\$-
6	Landscape				\$-
Subtotal					\$1,151,019
Contractor's OH/Markup					\$287,755
Contingency					\$71,939
Total					\$1,510,713
Professional Services Allowance			15%	\$0.15	\$226,607
Total Project Cost Range					\$1,737,320

Proposed Hike and Bike Trail System

Burditt Consultants has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions. Burditt Consultants cannot and does not guarantee that proposals, bids or actual construction will not vary from opinion of probable costs.

Operation and Maintenance

City staff are well-versed in the operation and maintenance of Jersey Village parks and recreation facilities. Each additional park and facility will incur additional labor and material costs for the daily upkeep. For each potential project identified that adds new park land to the system that isn't currently being maintained, the costs and time for mowing, trash pickup, repairs, and general upkeep have been estimated. The resulting values for each facility are reported in total hours, approximate labor costs based on average salaries, and full time equivalents (FTE's).

Figure 19. Trail Rights-of-Way

Maintenance Task	Area	SF/Hour	Rate	Total Labor (hours per visit)	Total Cost (Visit)	# of Visits	Annual Cost
Common Area Mowing	303,177	114,000	\$20.00	3	\$60.00	26	\$1,560
Trash Pickup			\$15.00	4	\$60.00	26	\$1,560
Expendables							
96" Commercial Mower Amortization (\$42,000, 5-year life)	N/A	N/A	N/A	N/A	N/A	N/A	\$8,400
Fuel		Per Visit	\$30.00	0.5	\$15.00	26	\$390
General Maintenance		Per Visit	\$30.00	1	\$30.00	26	\$780
Total Annual Labor				182		Total	\$12,690
Total FTE's				0.091			

*Note: Maintenance costs are for new park land only and do not include costs for repair or replacement of equipment or amenities.

Table 20. Proposed Pleasant Colony Park

Maintenance Task	Area	SF/Hour	Rate	Total Labor (hours per visit)	Total Cost (Visit)	# of Visits	Annual Hours	Annual Cost	Total FTE
Common Area Mowing	283,391	71,280	\$20.00	4.0	\$80.00	26	104.0	\$2,080	0.052
Restrooms & Trash Pickup			\$15.00	2.0	\$30.00	26	52.0	\$780	0.026
Landscape & Irrigation			\$15.00	2.0	\$30.00	52	104.0	\$1,560	0.05
Expendables									
Fuel		Per Visit	\$30.00	0.5	\$15.00	26		\$390	
General Maintenance		Per Visit	\$30.00	1.0	\$30.00	26		\$780	
Total							260.0	\$5,590	0.13

Table 21. Proposed Passive Open Space Park

Maintenance Task	Area	SF/Hour	Rate	Total Labor (hours per visit)	Total Cost (Visit)	# of Visits	Annual Hours	Annual Cost	Total FTE
Common Area Mowing	95,440	71,280	\$20.00	1.0	\$20.00	26	26.0	\$520	0.013
Restrooms & Trash Pickup			\$15.00	1.0	\$15.00	26	26.0	\$390	0.013
Landscape & Irrigation			\$15.00	1.0	\$15.00	52	52.0	\$780	0.03
Expendables									
Fuel		Per Visit	\$30.00	0.5	\$15.00	26		\$390	
General Maintenance		Per Visit	\$30.00	1.0	\$30.00	26		\$780	
Total							104.0	\$2,860	0.052

Project Prioritization

Project Rankings

Overview

Each Project included in the Parks Master Plan has been broken up into smaller pieces containing each specific amenity. The goal was to consider the park and amenity as the Parks and Recreation Advisory Committee placed it into its ranking. The idea was to group the park/amenities into 3 tiers: High Preference, Medium Preference, and Low Preference. It was a general consensus to identify projects that can be completed/considered within the 10 year plan so the gymnasium has been removed from the Master Plan document. Per request from Council, the general obligation bond finance portion has also been removed. There were new parks proposed, those were ranked as an entire project and, if ranked in the High or Medium Preference, their specific amenities were considered and ranked. Some deliberation notes from the committee were also included. In addition to the Ranking, the Parks and Recreation Advisory Committee listed desired High Preference improvements that were not considered in the Plan. It is important to note that each amenity's financial estimation is included, but, site work, contractor markup and contingencies were not included or dispersed across amenities. This appendix is intended to be inserted and considered within the Parks and Recreation Master Plan.

Ranking Highlights

High Preference

The High Preference Category is comprised of 10 projects/amenities totaling \$595,000. There has been heavy interest in restrooms at Carol Fox Park and exterior lighting at all Parks. The ball fields at the park were ranked high but these amenities did not include lighting which would add to the total estimation of the high preference category, if considered.

Project	Amenity	Projected Cost	Tier	Notes
Carol Fox Park Improvements	Restroom (family)	\$ 100,000.00	High	
Carol Fox Park Improvements	Exterior lighting	\$ 9,000.00	High	
Clark Henry Park Improvements	120' baseball field	\$ 120,000.00	High	Complete set up requested including bleachers and lights
Clark Henry Park Improvements	Open fields	\$ 150,000.00	High	
Jersey Meadow Nature Trail	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 80,000.00	High	
Jersey Meadow Nature Trail	Exterior lighting	\$ 75,000.00	High	
Jersey Meadow Nature Trail	Water fountains	\$ 28,000.00	High	
Dog Park Improvements	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 20,000.00	High	
Dog Park Improvements	Exterior lighting	\$ 6,000.00	High	
Dog Park Improvements	Water fountains	\$ 7,000.00	High	

Additional Projects Recommended by PARAC Committee

The PARAC Committee has established a list of projects that they would like to be considered within the master plan, listed below.

Project	Amenity	Projected Cost	Tier	Notes
Carol Fox Park , Jersey Meadow Nature Trail, & Clark Henry Park Improvements	Bike repair station		High	
Clark Henry Park Improvements	Water fountains (2-3)		High	
Clark Henry Park Improvements	Concession stand enhancement		High	To be considered with field amenity
Clark Henry Park Improvements	Retractable basketball hoops with timers		High	
Clark Henry Park Improvements	Exterior lighting		High	
Recreation at the Civic Center	Civic Center remodel for fitness		High	
Recreation at the Civic Center	Exterior lighting		High	
Recreation at the Civic Center	Food truck electric supply		High	
TBD	Skate park		High	Location desired closer to Jones Rd., use TC Jester skate park for inspiration
Recreation at the Civic Center	Remodel bathroom		Medium	
Jersey Meadow Nature Trail	Restroom (family)		Medium	

Medium Preference

The Medium Preference Category is comprised of 8 projects/amenities totaling \$361,265. The picnic shelter, water fountain and concrete amenities at Carol Fox Park were combined and ranked as a package. It was recommended that shade be included in both the large and small dog area of the dog park. If shade is installed then a picnic area would not be needed.

Project	Amenity	Projected Cost	Tier	Notes
Philippine Park Improvements	Nature play structure(s)	\$ 80,000.00	Medium	Bouldering walls, ropes course
Recreation at the Civic Center	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 20,000.00	Medium	Bike rack
Dog Park Improvements	Pavilion (10x20)	\$ 26,000.00	Medium	Shade on both sides of dog park but we don't need both amenities (referencing picnic shelter)
Carol Fox Park Improvements	Picnic shelter combined with concrete & water fountain on volleyball side	\$ 30,425.00	Medium	To be considered together
Clark Henry Park Improvements	Concrete sidewalks	\$ 32,340.00	Medium	From Post Elementary parking lot to pool
Clark Henry Park Improvements	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 30,000.00	Medium	Must be financially feasible
Clark Henry Park Improvements	Landscape (mulch, irrigation, planting beds, new trees etc.)	\$ 105,500.00	Medium	Half budget
Philippine Park Improvements	Outdoor classroom	\$ 37,000.00	Medium/Low	Would need further community input

Low Preference

The Low Preference Category is comprised of 42 projects/amenities totaling \$8,520,608. There was deliberation on a few projects that certainly had some high preference merit, if funded alternatively. The Pleasant Colony Park and Passive Open Space Park were ranked as a whole in the low category so, their specific components were not discussed. De Lozier Park amenities were considered and further community input was deemed necessary. It was mentioned this park was inspired by Carol Fox Park and designed to become another park similar for residents that reside closer to the golf course and that residents may be impartial on the idea.

Project	Amenity	Projected Cost	Tier	Notes
Philippine Park Improvements	Concrete sidewalks	\$ 24,189.00	Low	Rain/flooding is a huge consideration
Philippine Park Improvements	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 15,000.00	Low	Must be financially feasible
Philippine Park Improvements	Landscape (mulch, irrigation, planting beds, new trees etc.)	\$ 173,800.00	Low	
De Lozier Park Improvements	Pavilion (30x30)	\$ 85,000.00	Low	Further consideration and stakeholder input regarding this project as a whole is needed
De Lozier Park Improvements	Concrete sidewalks	\$ 10,560.00	Low	
De Lozier Park Improvements	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 30,000.00	Low	
De Lozier Park Improvements	Exterior lighting	\$ 3,000.00	Low	
De Lozier Park Improvements	Decomposed granite plaza	\$ 4,450.00	Low	
De Lozier Park Improvements	Seat walls	\$ 7,425.00	Low	
De Lozier Park Improvements	Pre-fabricated play structure	\$ 120,000.00	Low	
De Lozier Park Improvements	Landscape (mulch, irrigation, planting beds, new trees etc.)	\$ 63,500.00	Low	
Dog Park Improvements	Picnic shelter (10x10)	\$ 32,000.00	Low	
Dog Park Improvements	Concrete sidewalks	\$ 1,650.00	Low	
Dog Park Improvements	6' decomposed granite loop trails	\$ 19,200.00	Low	

IMPLEMENTATION PLAN

Project	Amenity	Projected Cost	Tier	Notes
Dog Park Improvements	Landscape (mulch, irrigation, planting beds, new trees etc.)	\$ 6,000.00	Low	
Dog Park Improvements	Pre-fabricated obstacle course	\$ 10,000.00	Low	
St. John Park Improvements	Concrete sidewalks	\$ 7,755.00	Low	
St. John Park Improvements	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 15,000.00	Low	
St. John Park Improvements	Exterior lighting	\$ 1,500.00	Low	
St. John Park Improvements	Decomposed granite plaza	\$ 1,750.00	Low	
St. John Park Improvements	Seat walls	\$ 2,250.00	Low	
St. John Park Improvements	Landscape (mulch, irrigation, planting beds, new trees etc.)	\$ 12,500.00	Low	
Proposed Pleasant Colony Park	This project, being a new park, can be ranked as a whole with specific amenities included on an alternate table. If ranked in the upper tier, we can begin to rank its components specifically	\$ 2,431,043.00	Low	
Proposed Passive Open Space Park	This project, being a new park, can be ranked as a whole with specific amenities included on an alternate table. If ranked in the upper tier, we can begin to rank its components specifically	\$ 630,496.00	Low	
Carol Fox Park Improvements	Shade sails (2)	\$ 90,000.00	Low	
Carol Fox Park Improvements	Poured-in-place surfacing	\$ 91,000.00	Low	
Carol Fox Park Improvements	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 25,000.00	Low	
Recreation at the Civic Center	Bouldering wall	\$ 15,000.00	Low	
Recreation at the Civic Center	Concrete sidewalks	\$ 18,150.00	Low	
Recreation at the Civic Center	Landscape (mulch, irrigation, planting beds, new trees etc.)	\$ 209,750.00	Low	Lower budget
Jersey Meadow Nature Trail	Concrete sidewalks	\$ 499,500.00	Low	
Jersey Meadow Nature Trail	Boardwalks	\$ 840,000.00	Low	
Jersey Meadow Nature Trail	Pedestrian bridges	\$ 87,500.00	Low	

Project	Amenity	Projected Cost	Tier	Notes
Jersey Meadow Nature Trail	Nature play structure(s)	\$ 80,000.00	Low	
Jersey Meadow Nature Trail	Signage and wayfinding	\$ 150,000.00	Low	Lower budget
Jersey Meadow Nature Trail	Landscape (mulch, irrigation, planting beds, new trees etc.)	\$ 432,000.00	Low	Medium, if alternatively funded completely
Jersey Meadow Nature Trail	Created wetlands	\$ 1,300,000.00	Low	Medium, if alternatively funded completely
Proposed Hike and Bike Trail	Dog Park to bayou near Ballinger Park	\$ 79,764.00	Low	Delete if bridge is built at Welwyn Park
Proposed Hike and Bike Trail	Pleasant Colony Park To Jersey Meadow Nature Trail	\$ 183,310.00	Low	
Proposed Hike and Bike Trail	Rio Grande To Village Center	\$ 156,538.00	Low	
Proposed Hike and Bike Trail	Utility easement from Jersey Meadow Nature Trail to White Oak Bayou Trail	\$ 240,028.00	Low	
Proposed Hike and Bike Trail	Pedestrian bridge across bayou near Ballinger Park	\$ 315,000.00	Low	Move bridge to Welwyn Park

Amenities that were not ranked

The specific amenities that encompassed the Pleasant Colony Park and the Passive Open Space Park near Senate Ave. on the north side of the bayou were not ranked and are listed below. The estimated value of the amenities totals \$1,628,740.

Project	Amenity	Projected Cost	Tier	Notes
Proposed Pleasant Colony Park	Parking	\$ 95,500.00		
Proposed Pleasant Colony Park	Restroom	\$ 10,000.00		
Proposed Pleasant Colony Park	Pavilion (30x30)	\$ 85,000.00		
Proposed Pleasant Colony Park	Pavilion (20x20)	\$ 32,000.00		
Proposed Pleasant Colony Park	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 35,000.00		
Proposed Pleasant Colony Park	Exterior lighting	\$ 9,000.00		
Proposed Pleasant Colony Park	Decomposed granite plaza	\$ 8,000.00		
Proposed Pleasant Colony Park	Concrete trails	\$ 174,240.00		

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Project	Amenity	Projected Cost	Tier	Notes
Proposed Pleasant Colony Park	Water fountains	\$ 14,000.00		
Proposed Pleasant Colony Park	Wayfinding & signage	\$ 20,000.00		
Proposed Pleasant Colony Park	Pedestrian bridge	\$ 150,000.00		
Proposed Pleasant Colony Park	Pre-fabricated playground	\$ 250,000.00		
Proposed Pleasant Colony Park	Open fields	\$ 10,000.00		
Proposed Pleasant Colony Park	Workout stations	\$ 50,000.00		
Proposed Pleasant Colony Park	Tennis/pickle ball court	\$ 78,000.00		
Proposed Pleasant Colony Park	Basketball court	\$ 120,000.00		
Proposed Pleasant Colony Park	Landscape (mulch, irrigation, planting beds, new trees etc.)	\$ 134,000.00		
Proposed Passive Open Space Park	Parking	\$ 24,000.00		
Proposed Passive Open Space Park	Concrete sidewalks	\$ 231,000.00		
Proposed Passive Open Space Park	Site furnishings (litter bins, benches, bike racks, picnic tables etc.)	\$ 20,000.00		
Proposed Passive Open Space Park	Exterior lighting	\$ 6,000.00		
Proposed Passive Open Space Park	Water fountains	\$ 7,000.00		
Proposed Passive Open Space Park	Decorative wooden bridges			
Proposed Passive Open Space Park	Wayfinding & signage	\$ 10,000.00		
Proposed Passive Open Space Park	Landscape (mulch, irrigation, planting beds, new trees etc.)	\$ 56,000.00		

