

PARKS & RECREATION  
MASTER PLAN UPDATE  
HOUSTON, TEXAS

2007

3.26.2008 FINAL



houston  
**PARKS**  
& recreation  
department

## TABLE OF CONTENTS

### Executive Summary

- Project Purpose and Process
- Key Findings and Recommendations
  - Create Equity and Balance
  - Create Connection
  - Demonstrate Environmental Leadership
  - Improve Recreation Programming
  - Add Signature Parks
  - Improve Active Sports Facilities
  - Establish a Regional Greenspace and Recreation Approach

### I Community Input – The Soul of Houston

- Overview
- Summary of Findings – Community Input
- Household Survey

### II Demographic Analysis

- Summary
- Methodology
- Houston, Texas

### III Local Recreation Trends

- Resistance Training
- Recreational Swimming
- Aquatic Exercise
- Traditional “Bat and Ball” and Other Team Sports
- Extreme/Non-Traditional Sports
- Houston Recreational Activity Overview

### IV Parks and Facilities – Houston’s Green Foundation

- Overview
- Summary of Previous Planning Efforts
- Inventory
- Classifications
- Assessment

- Open Space and Facility Standards
- Service Area Analysis and Equity Mapping
- Parks and Outdoor Space
- Recreation Amenities
- Indoor and Aquatics Facilities
- Active Sport Fields Facilities
- Prioritized Needs Assessment

V Park Facility and Recreation Development Program

- Strategic Direction
- Vision
- Community Values – Strategic Objectives
- Parks and Facilities Development Program
- Implementation Action Plan
- Core Businesses
- Tracking Performance Indicators
- Implementation Schedule
- Communication Results
- Plan Updating
- Conclusion

Appendix 1 – Demographic Density Maps

- 2000 Total Population Densities
- 2000 Black Population Densities
- 2000 White Population Densities
- 2000 Asian Population Densities
- 2000 Other Population Densities
- 2000 Household Densities
- 2000 Female Densities
- 2000 Male Densities
- 2000 Age 4 and Under Densities
- 2000 Age 5 to 19 Densities
- 2000 Age 20 to 44 Densities
- 2000 Age 45 to 64 Densities
- 2010 Total Population Densities
- 2010 Black Population Densities
- 2010 White Population Densities

2010 Asian Population Densities  
2010 Hispanic Population Densities  
2010 Non Hispanic Population Densities  
2010 Other Race Population Densities  
2010 Household Densities  
2010 Female Densities  
2010 Male Densities  
2010 Age 4 and Under Densities  
2010 Age 5 to 19 Densities  
2010 Age 20 to 44 Densities  
2010 Age 45 to 64 Densities  
2010 Age 65 and Over Densities  
2020 Total Population Densities  
2020 White Population Densities  
2020 Asian Population Densities  
2020 Hispanic Population Densities  
2020 Non Hispanic Population Densities  
2020 Other Race Population Densities  
2020 Household Densities  
2020 Female Densities  
2020 Male Densities  
2020 Age 4 and Under Densities  
2020 Age 5 to 19 Densities  
2020 Age 20 to 44 Densities  
2020 Age 45 to 64 Densities  
2020 Age 65 and Over Densities

## Appendix 2 – Trails

Trails Overview

Houston Parks Board Greenway Focus

## Appendix 3 – Park Land Dedication Ordinance

Check List

Pocket and Neighborhood Park

Community and Regional Park

Linear Park and Natural Area



Appendix 4 – Citizen Survey

Appendix 5 – Project List by Council District

Appendix 6 – SPARK

# *Discovering Houston through Parks and Recreation ... It's Worth It!*

## PARKS AND RECREATION 2007 MASTER PLAN UPDATE

Houston, Texas

For Houston Parks and Recreation Department  
Through Houston General Services Department

FINAL

March 26, 2008

Prepared By:

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Landscape Architects

Houston, TX

**PROS Consulting, LLC**

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**The Lentz Group**

Houston, TX

## ACKNOWLEDGEMENTS

**Mayor** Bill White

**Controller** Annise D. Parker

### **District Council Members, 2007**

Toni Lawrence, District A  
Jarvis Johnson, District B  
Anne Clutterbuck, District C  
Ada Edwards, District D  
Addie Wiseman, District E  
M.J. Khan, District F  
Pam Holm, District G  
Adrian Garcia, District H  
Carol Alvarado, District I

### **At-Large Council Members, 2007**

Peter Brown, Position 1  
Sue Lovell, Position 2  
Melissa Noriega, Position 3  
Ronald C. Green, Position 4  
Michael Berry, Position 5

### **District Council Members, 2008**

Toni Lawrence, District A  
Jarvis Johnson, District B  
Anne Clutterbuck, District C  
Wanda Adams, District D  
Mike Sullivan, District E  
M.J. Khan, District F  
Pam Holm, District G  
Adrian Garcia, District H  
James G. Rodriguez, District I

### **At-Large Council Members, 2008**

Peter Brown, Position 1  
Sue Lovell, Position 2  
Melissa Noriega, Position 3  
Ronald C. Green, Position 4  
Jolanda "Jo" Jones, Position 5

**Director Parks and Recreation Department** Joe Turner

**Director General Services Department** Issa Dadoush

## EXECUTIVE SUMMARY

Houston is a green city with an incredible resource of parks and open space. A city known nationally and internationally for many accomplishments, Houston is recognized for its strong business environment with burgeoning cultural and entertainment attractions. As the 4<sup>th</sup> largest city in the nation, Houston has seen substantial growth that is projected to continue for the next 20 years. This growth includes a diverse citizenry demanding continued attention to quality of life initiatives. It is with this impetus that the City of Houston identified the need to examine its parks and recreation system and develop a new vision fitting of a world-class city. It is time for *Discovering Houston through Parks and Recreation ... It's Worth It!*

## PROJECT PURPOSE AND PROCESS

With this project, the City of Houston Parks and Recreation Department (HPARD) has undertaken an update of their 2001 Parks and Recreation Master Plan. This update looks at a broader vision of park and recreation goals and methods of accomplishing these goals.

HPARD performed a qualifications based selection process to retain a consultant team to perform the master plan update. The team of Houston based landscape architecture and planning firm Clark Condon Associates in conjunction with PROS Consulting, a specialized consulting firm with national experience, was retained. In addition, The Lentz Group, also a Houston based firm, was integrated to support the community participation process.

This update of the master plan is intended to serve as a tool and guide for HPARD to determine how to allocate 2006 and future bond proceeds. In addition, the master plan update is intended to support decision making for HPARD to guide future park and recreation operations and development aligned with the values and direction of an evolving city. Many of the goals are long-range and will require support from various public and non-profit entities to accomplish. All of the goals are directed at improving the quality of life for the citizens of Houston and the associated benefits that parks and recreation contribute to our community.

Various methods were used during this master plan update to obtain input from the general public, user groups and community leaders including elected officials from both the City and Harris County. Input from the general public included random telephone surveys within the City's nine council districts and twenty public forums.

The consultant team gathered inventory information from both the HPARD and Harris County's Parks Department for use in the update. Demographic analysis was conducted to understand the population densities and unique market needs throughout Houston.

Park classifications and facility standards were reviewed and updated to help in establishing a balanced system throughout the city by assuring that parks are developed with appropriate amenities serving unique needs and areas within the community. These standards help guide HPARD's development and renovation plans for the duration of the master plan scope. Equity maps apply the standards to population densities for



each type of park and park amenity. These maps clearly show gaps within the system that need to be addressed.

The prioritization of needs is a culmination of needs expressed through input received from the community input process and the assessment of the park system's ability to meet these needs. A database was created which incorporates new parks and amenities as well as incorporating existing amenities that will need to be renovated or updated at some point in the future. This database assists in illustrating the ultimate plan – the “Big Moves” – which are depicted as individual capital projects, which then roll-up to a master list to address the overall needs and vision of the Houston community.

## KEY FINDINGS AND RECOMMENDATIONS

The process described above and subsequent report identifies key findings and recommendations that have been summarized below. Each of these key findings and recommendations will require a concerted effort on behalf of HPARD, its partners, City leadership, and the community at large in order to ensure success.

The “Big Moves” gleaned from the analyses within the project are grouped in the following seven categories with a summary of each following:



## CREATE EQUITY AND BALANCE IN THE SYSTEM

It is recommended that HPARD acquire property for additional park facilities based on the new standards contained within this report. Part of this process will require filling “gaps” in the level of service with new parks or partnering opportunities in order to make the blend of parks and programs more robust and representative of community needs. Additionally, HPARD should develop neighborhood focused park facilities and programs, create additional signature parks, and create a lifecycle replacement and repair program funded separately from bond funds to support ongoing maintenance requirements.

Land Acquisition for System Equity and Balance		
Type of Park	Council District	Acreage Needed
Community Park	A	37
Neighborhood Park	A	66
Linear Park/Greenway	A	190
In-Park Trails	A	40
Connecting Trails	A	40
Community Park	B	70
Neighborhood Park	B	57
Linear Park/Greenway	B	193
In-Park Trails	B	40
Connecting Trails	B	40
Community Park	C	133
Neighborhood Park	C	77
Linear Park/Greenway	C	154
In-Park Trails	C	40
Connecting Trails	C	40
Community Park	D	0
Neighborhood Park	D	69
Linear Park/Greenway	D	0
In-Park Trails	D	38
Connecting Trails	D	40
Community Park	E-N	60
Neighborhood Park	E-N	42
Linear Park/Greenway	E-N	96
In-Park Trails	E-N	0
Connecting Trails	E-N	40
Community Park	E-S	60
Neighborhood Park	E-S	42
Linear Park/Greenway	E-S	96
In-Park Trails	E-S	40
Connecting Trails	E-S	40

*“...the backbone of a park system for Houston will naturally be its bayou or creek valleys, which readily lend themselves to ‘parking’ and cannot so advantageously be used for other purpose. These valleys intersect the city in such a way as to furnish opportunities for parks of unusual value within a comparatively short distance of most residential areas...”*

Arthur Coleman Comey  
Landscape Architect  
Planning Report of 1913 for the  
Houston Park Commission

<b>Land Acquisition for System Equity and Balance</b>		
<b>Type of Park</b>	<b>Council District</b>	<b>Acreage Needed</b>
Community Park	F	102
Neighborhood Park	F	106
Linear Park/Greenway	F	192
In-Park Trails	F	40
Connecting Trails	F	40
Community Park	G	135
Neighborhood Park	G	80
Linear Park/Greenway	G	184
In-Park Trails	G	40
Connecting Trails	G	40
Community Park	H	78
Neighborhood Park	H	83
Linear Park/Greenway	H	184
In-Park Trails	H	40
Connecting Trails	H	40
Community Park	I	0
Neighborhood Park	I	79
Linear Park/Greenway	I	193
In-Park Trails	I	40
Connecting Trails	I	40

## CREATE CONNECTIONS

Houston has the opportunity to create a World Class Urban Trail System by engaging the bayous and other corridors. HPARD needs to develop multi-use trails along all bayous partnering with Harris County Flood Control District (HCFCD). Partnerships with the HCFCD should be explored to the fullest extent possible to assist in the development of the trail system. This will support the necessary effort to create “green fingers” from neighborhoods to bayou corridors. A critical component of this will include the need to develop physical connections to parks and community facilities, develop better connections between parks and to promote continued development of Rails to Trails projects.

The focus of the Houston Parks Board is the continued acquisition and development of greenways along the following waterways: Sims, Brays, White Oak, Halls, Greens and Hunting Bayous. Other groups and organizations are focusing on north/south connectors to link the bayou greenways including the following: Columbia Tap east of downtown linking Buffalo (east end) and Brays Bayous, the Westchase District Trail connecting Terry Hershey Trail (Buffalo Bayou – west end) to Brays Bayou and the Cullen Park to Bush Park Connection on the far west side linking 17 miles of Cullen/Bear Creek Park trails to 27 miles of Terry Hershey/George Bush Park trails.

Both the greenway trail systems along the bayous and the north south connectors are vital for HPARD to support in creating the needed connections for recreation, connections to parks, and commuting options. In addition to hike and bike trails the City should also develop equestrian trails with associated amenities needed for access to these trails.

## DEMONSTRATE ENVIRONMENTAL LEADERSHIP

To support Houston as a world-class city in the 21<sup>st</sup> Century, HPARD should work to support and promote an overall environmental ethic in the City through its operational and programming practices as well as its parks and open space development. HPARD should strive to create a natural habitat in all facilities classified as neighborhood parks or larger. This should be reflective of a larger effort to preserve or enhance existing natural habitats and to create environmental centers in parks to showcase “green practices”, educate the public and serve as recycling centers.

## IMPROVE RECREATION PROGRAMMING BY ADDRESSING NEEDS OF THE USERS

Recreation programming can be updated to address the needs of an extraordinarily dynamic and diverse group of users by transitioning from its current size and style of recreation center to multi-generational regional recreation/aquatic centers throughout the system, developing additional adaptive recreation sites for handicapped and physically challenged and providing transportation from neighborhood parks and schools to regional centers. Additionally it is recommended to work with Metro to develop a “Green Route” to park facilities, partner with non-profits and school systems for space to run programs and schedule the HPARD’s specialized recreation staff at multiple sites based on user needs.

## ADD SIGNATURE PARKS TO THE SYSTEM

HPARD can work to determine existing or new parks that can be improved and marketed as a destination park facility for the metropolitan area. Secondly, it is recommended that HPARD utilize the successful model of The Heritage Society, Hermann and Memorial Park Conservancies to increase funding for development and maintenance of these parks. The following parks are or are proposed to be brought to the level of “Signature Park” through non-profit organizations that will fund improvements and maintenance of the parks:

1. Hermann Park – existing signature status
2. Memorial Park – existing signature status
3. Sam Houston Park
4. Keith Wiess Park
5. Willow Water Hole Greenway
6. Lake Houston Park
7. Herman Brown Park
8. Cullen Park
9. Cullinan/Oyster Creek Park

## IMPROVE ACTIVE SPORTS FACILITIES

Active sports facilities within the park system can be improved through innovative partnering on sport fields and game fields with Harris County. In addition, the City should install and limit field lights at sports and practice fields to Community Parks or larger. It is important that the system work to accommodate growing trends including sports such as lacrosse, cricket or skate parks.



## ESTABLISH A REGIONAL GREENSPACE AND RECREATION APPROACH

HPARD should take the lead in the area's park and recreation community by opening lines of communication and cooperation with other agencies and providers of recreation for the citizens of Houston. Eliminating redundancy, focusing on common goals and priorities and determining the strengths and weakness of each of these providers will allow all to become focused on what is ultimately needed and who is best at providing those amenities and activities.

### WHAT IS GREENSPACE?

" Greenspace is any vegetated land or water within or adjoining an urban area. It includes:

- Derelict, vacant and contaminated land which has the potential to be transformed
- 'Natural' greenspaces - natural and semi-natural habitats
- Green corridors - paths, disused railway lines, rivers and canals
- Amenity grassland, parks and gardens
- Outdoors sports facilities, playing fields and children's play areas
- Other functional greenspaces e.g. cemeteries and allotments
- Countryside immediately adjoining a town which people can access from their homes "

Source: [www.greenspacescotland.org](http://www.greenspacescotland.org)

## GREENSPACE CLASSIFICATIONS AND STANDARDS

Each of the park types within the system were assigned one of the following classifications based on size or type of park. These classifications and typical developments are as follows:

### POCKET PARK - LESS THAN 1 ACRE

Playground, picnic tables, gazebos or gardens

### NEIGHBORHOOD PARK - 1 – 15 ACRES

To Pocket Park list add open space, natural habitat, walk trails, multi-use courts, practice sports fields and covered picnic shelters

### COMMUNITY PARK - 16 – 150 ACRES

To Neighborhood Park list add lighted practice or game fields for sports, swimming pool or sprayground, recreation center, group picnic facilities, tennis courts, parking lot and screened portable toilets

#### REGIONAL PARK - OVER 150 ACRES

To Community Park list add lighted sports complexes, concession stand, Restrooms, golf course, tennis center, natatorium, multi-purpose and senior centers, nature areas and horticulture centers

#### LINEAR PARK/GREENWAY

Trails, trail amenities, screened portable toilets, natural habitat and parking if on thoroughfare or principal thoroughfare

#### PARK RESERVE AND NATURAL AREA - OVER 5 ACRES

Unpaved trails, wildlife observation stations, trail head, natural habitat, screened portable toilets and parking lot

#### PLAZAS AND SQUARES - LESS THAN 10 ACRES

Sculpture, monuments, public art, small stage, shade structure and extensive plantings

#### SPECIAL USE AREAS – CULTURAL OR HISTORIC PARK - LESS THAN 25 ACRES

Monuments, historic structures, interpretive graphics, picnic areas, visitor center and parking

#### SPECIAL USE AREAS – ESPLANADES, BOULEVARDS AND MEDIANS

Landscape enhancements

#### SPECIAL USE AREAS – SPORTS COMPLEX

Lighted game fields or courts, playground, restroom, concession stand, trails, picnic area and pavilions

#### SPECIAL USE AREAS – COMMUNITY CENTER

Stand alone center with parking

#### SPECIAL USE AREAS – GOLF COURSE

Stand alone golf course with parking

#### SIGNATURE PARKS

A status given to a park in any classification based on a partnering organization providing a higher level of design and maintenance of the facilities

Standards for each park classification take into consideration both HPARD facilities and those of other providers within the city limits. The standards developed are as follows:

Park Classification	Inventory – all sources (In Acres)	HPARD Standards (Acres/1000 population)	2020 Needs (In Acres)
Pocket	13	0.005/1000	Meets Needs
Neighborhood	1,945	1.0/1000	Need 702 Acres
Community	3,302	1.5/1000	Need 669 Acres
Regional	36,846	8.0/1000	Meets Needs
Linear Park/Greenway	1,158	1.0/1000	Need 1,490 Acres
Park Reserve/Natural Area	7,699	0.2/1000	Meets Needs

## PARK SYSTEM NEEDS

The following list of needs has been determined for the Houston park system. Partnering with other agencies and organizations will be critical for accomplishing these needs. The three charts below show needs per Council District for Equity and Balance, Viable Recreation Programming and Creation of Connections:

Council District	Equity and Balance		
	Facility Development	Land Acquisition	Total
<b>A</b>	36,920,000	24,750,000	61,670,000
<b>B</b>	32,735,000	22,950,000	55,685,000
<b>C</b>	38,430,000	35,700,000	74,130,000
<b>D</b>	24,125,000	14,250,000	38,375,000
<b>E</b>	55,895,000	47,700,000	103,595,000
<b>F</b>	46,750,000	35,100,000	81,850,000
<b>G</b>	47,315,000	41,550,000	88,865,000
<b>H</b>	36,295,000	28,050,000	64,345,000
<b>I</b>	28,850,000	15,750,000	44,600,000
<b>Total</b>	<b>\$ 347,315,000</b>	<b>\$ 265,800,000</b>	<b>\$ 613,115,000</b>

Council District	Viable Recreation Programming		
	Facility Development	Land Acquisition	Total
<b>A</b>	12,772,500	6,450,000	19,222,500
<b>B</b>	14,462,500	9,600,000	24,062,500
<b>C</b>	18,330,000	16,800,000	35,130,000
<b>D</b>	14,735,500	10,800,000	25,535,500
<b>E</b>	27,930,500	18,150,000	46,080,500
<b>F</b>	11,992,500	5,100,000	17,092,500
<b>G</b>	17,192,500	14,550,000	31,742,500
<b>H</b>	14,248,000	10,200,000	24,448,000
<b>I</b>	14,202,500	9,000,000	23,202,500
<b>Total</b>	<b>\$ 145,866,500</b>	<b>\$ 100,650,000</b>	<b>\$ 246,516,500</b>

Council District	Create Connections		
	Facility Development	Land Acquisition	Total
<b>A</b>	23,140,000	40,500,000	63,640,000
<b>B</b>	23,218,000	40,950,000	64,168,000
<b>C</b>	22,204,000	35,100,000	57,304,000
<b>D</b>	17,745,000	11,700,000	29,445,000
<b>E</b>	32,292,000	46,800,000	79,092,000
<b>F</b>	23,192,000	40,800,000	63,992,000
<b>G</b>	22,984,000	39,600,000	62,584,000
<b>H</b>	22,984,000	39,600,000	62,584,000
<b>I</b>	23,218,000	40,950,000	64,168,000
<b>Total</b>	<b>\$ 210,977,000</b>	<b>\$ 336,000,000</b>	<b>\$ 546,977,000</b>



## TOP PARK PRIORITIES

According to the Citizen Survey the top priority citywide for spending additional funds within HPARD would be to revitalize existing facilities and parks. The following list of Top Priority Projects all fall within the category of renovations to existing facilities or addition of facilities at existing parks:

Project Title	Estimate	District
Moody Park Community Center Expansion/Park	3,500	H
Kendall Community Center (partnership with Library)	1,500	G/A
Townwood Phase II * (50% TPWD Grant)	1,000	D
Swimming Pool Upgrades: Sunnyside, Love, Independence Heights	3,000	D, H, H
Emancipation Park Redevelopment	2,000	I
Turner Park Phase II (50% TPWD Grant)	600	A
Squatty Lyons Phase II	1,500	B
Sylvan Rodriguez Phase III	1,000	E
Wright Bembry Park Renovation	700	H
Ballfield Lighting Renovations or Replacement: Shady Lane, Memorial, Northline, Brock	1,000	B, G, H, B
Pavilion Renovation: Trinity Gardens, Walter Jones, Haviland, Dow	2,000	B, E, C, I
Busby Park Redevelopment	700	B
Playground Replacements (Lakewood, Croyden Gardens, Cullen, River Oaks)	1,000	B, H, A, G
Keith Wiess Park	2,000	B
Roof Contract (participation in citywide contract)	500	Var
Southeast District Maintenance Facility	1,000	Var
Trail Replacement/Overlays in Various Parks	1,000	Var
Metropolitan Service Center	1,000	D
Hermann Square Master Plan	1,000	I
Memorial Greenhouse & Maintenance Upgrades	1,000	G
Sam Houston Park	1,000	I

\*ESTIMATE = \$1,000

## DISCOVERING HOUSTON THROUGH PARKS AND RECREATION...IT'S WORTH IT!

The City of Houston has an opportunity to continue to expand the momentum gained over the last decade of investing in public infrastructure to support its growing and ever-diversifying population. Houston is an internationally known city that, with continued focus on public features that improve the quality of life, can become a true "World Class City."

This Master Plan Update helps to organize and prioritize investment in the green infrastructure of Houston that makes Houston unique among major cities in the United States and even around the world.

It has been proven that investment in parks and recreation facilities and programs attracts and retains a strong population, promotes healthy lifestyles, and contributes significantly to a better environment. As one moves around Houston, it is apparent that this is a city that beckons to be explored. Now is the time to *Discover Houston through Parks and Recreation...It's Worth It!*

## COMMUNITY INPUT – IDENTIFYING THE UNIQUE VALUES AND NEEDS OF HOUSTON

### OVERVIEW

The foundation of this Master Plan Update is based in community, stakeholder and leadership input. Based on information gathered and input from these varied sources we have gained a broad knowledge of the issues facing the Houston Parks and Recreation Department (HPARD) as well as opportunities to improve park and recreation services to the residents of Houston. This process was robust, gathering both qualitative and quantitative information from which strategies and priorities were developed.

The community input process engaged key leadership and stakeholders in one-on-one interviews, focus sessions with key user groups, public forums open to all residents, input and comments through HPARD's web site and dedicated voice-mail phone number and a statistically valid citywide household telephone survey. The community input represents qualitative and quantitative data that is used to define need, values and vision for parks and recreation in Houston.

From this input, community values emerged that served to frame the overall strategic objectives as well as supporting strategies and actions. The following is a list of the different methods used and various groups that comprised the community input process.

#### Leadership Interviews (Total of 22)

- Houston City Council members
- Harris County Commissioners and Harris County Flood Control District (HCFCD)
- Non-Profits related to parks
- Economic development agencies

#### Focus Groups (Total of 10)

- Field Users
- Court Users
- Recreation Center Users (HPARD staff)
- Soccer
- Walker/Hikers/Bikers/Equestrian
- Swim/Tennis/Golf
- HPARD Sponsors
- Houston Partnership's Quality of Life Coalition
- Task Force from local "Green" groups and park related organizations
- People with Disability

#### Public Forums (Total of 20)

Two public forums held within every council district plus a second set in District E to accommodate the north and south sections of that District.

Citywide Telephone Survey (Total of 1,800)

Random telephone survey

Received 200 responses per council district with District E split North and South each with 100 responses

## SUMMARY OF FINDINGS – COMMUNITY INPUT

The community input process focused on qualitative and quantitative information. Qualitative information was gathered to understand the perceptions, key issues and values and vision for the community toward parks and recreation. Each individual and group was asked the same questions in order to identify common themes.

A summary of general findings, key issues, priorities in facility needs and principles that create the basis for the community values follows. Detailed summaries of the various groups as well as the data from the household survey are provided in the Appendix.

The following is a synopsis of many hours of meetings, interviews and surveying conducted as it relates to the Houston parks and recreation system.

## STRENGTHS OF HPARD

The following strengths of HPARD were identified as elements of the system to build upon through various means of community input.

- a. HPARD has the ability to achieve economies of scale due to size of system
- b. The success of two first-class Signature Parks (Hermann and Memorial) represent the potential HPARD has in providing first class park facilities and programs for the residents of Houston
- c. The city has the ability to accomplish big things
  - i. There is a base infrastructure of existing parks and facilities
  - ii. The assets of bayous and drainage channels that are available through HCFCFCD represent a tremendous opportunity for trails and linear parks
  - iii. There is on-going public and private development within the city that add to a growing economy
  - iv. Residents of Houston have access to a combination of parks and open space by a variety of providers
- d. History of private financing
  - i. The Houston Parks Board is one of best Park Foundations in the country
  - ii. Large investment by private individuals, corporations and foundations – since 2001 The Houston Parks Board has raised and spent \$17 million on park land acquisitions (450 acres) and \$15 million on park development
- e. Houston is a “Can Do” City
  - i. The city has a reputation for building big projects



- f. Good "Friends" of Parks organizations including one for Hermann Park and one for Memorial Park which enable these parks to develop and maintain their facilities at a first-class level
- g. Existence of Management Districts and Tax Increment Reinvestment Zones (TIRZ) that can both purchase and develop parks and open space (TIRZ) and maintain those facilities (Management Districts) within their boundaries
- h. There is a strong movement in Houston to link economic development with improved quality of life issues including parks and open space
  - i. The corporate community and civic leaders perceive the importance of parks in the continued growth of the Houston region

#### **WEAKNESSES OF HPARD**

The following weaknesses of HPARD were identified through various means of community input.

- a. HPARD is under-funded to meet its current demands
  - i. Construction budgets are not adequate to fully complete projects
  - ii. There is no dedicated or consistent preventative or life cycle funding for upkeep of the parks and facilities
  - iii. New parks and facilities are created without additional funding to staff and care for them
- b. There is an imbalance in both parks and recreation programming within the system
  - i. Existing parks do not always follow "Typical Development" or "Optional Facilities" guidelines stated in the 2001 master plan
  - ii. There are equity issues within the system with some parks over-developed and others under-developed
  - iii. The number, location and distribution of parks and recreation programs and level of development and maintenance throughout the system is inconsistent
  - iv. Recreation programs are offered based on the abilities of the staff at each recreation center and not based on user needs
  - v. There is very low recreation program participation throughout the system
- c. An overall lack of knowledge of HPARD's offerings was found among the city's residents
- d. The level of investment and expectation between public and private funding is out of balance
  - i. Those entities partnering with HPARD, whether public, such as Harris County or private non-profits experience a lack of a balanced investment with the partners being asked to contribute more money than the City is able to contribute
- e. Limited public-public coordination
  - i. With a few notable exceptions both the city and the county are providing park facilities and recreation programs within their own system without coordination between the systems

- f. While attempting to follow the 2001 Parks and Recreation Master Plan for development and redevelopment within the park system HPARD is sometimes forced to react to political and public pressure that contradict the current master plan
- g. Transportation, access and connectivity issues affect many aspects of parks and program usage
  - i. There are severe limitations within HPARD to transport program users between facilities
  - ii. As multi-use trails are developed along bayou corridors which run mainly east/west there are few north/south connectors to provide access to the existing trail system
  - iii. Public transportation does not always adequately service park sites, limiting access to programs and facilities
- h. There were security and safety concerns at parks and facilities raised at many of the public forums held throughout the city
- i. HPARD's Core Business is not aligned with community needs
  - i. With over 83% responding that they do not participate in HPARD programs, the system is not reaching the vast majority of residents
- j. Socio economic diversity and gaps within the system
  - i. More affluent residents have a greater ability to access recreation through alternative means
- k. Within the urban core of Houston (inside Loop 610) there is a lack of major sports facilities
- l. The system lacks indoor recreation space adequate to address trends in recreation programming

## OPPORTUNITIES OF HPARD

The following opportunities for HPARD were identified through various means of community input. The creation and adoption of a Visionary Strategic Master Plan Update:

- a. Will guide investment for major shifts in priorities
- b. Will provide method for implementation of previous planning efforts and initiatives
- c. Will link quality of life with economic development
- d. Will provide leadership in environmental stewardship, demonstration, urban forestry and sustainability
- e. Will build on the current atmosphere and public awareness of the role parks and recreation play and take steps toward investing in the system
- f. Will create a strong learning and education ethic to help shape the future of the community

- g. Will build on the International prominence of the City
- h. Will consider the regional influence and impact of the park and recreation system
- i. Will expand and enhance partnerships
  - i. Public-public partnerships
    - 1. Harris County Flood Control District
    - 2. Municipal Utility Districts – can sell bonds for park development within their district
    - 3. Management Districts – have taken a role in maintenance of parks and open space within their district
    - 4. Tax Increment Reinvestment Zones – can sell bonds or use increment to fund parks within their district
    - 5. Harris County – operates a park system that lies partially within the city limits
    - 6. Ft. Bend County – operates park system partially lies within the city limits
    - 7. School Districts – own publicly funded land and publicly funded recreation facilities within all neighborhoods of the city
  - ii. Improved balance in private-public partnerships
    - 1. Increased funding from public sources
- j. Increased earned income
  - i. The City needs to change the pricing philosophy and policy and should address cost recovery goals and value based programs
  - ii. Design and operate designated facilities to generate revenue
- k. Create model signature parks across the City
  - i. Utilize successful elements and implementation strategies from signature parks
- l. Operate as a regional park system framework by function and role without establishing a formal governance
  - i. HPARD to define roles and responsibilities among all related agencies
  - ii. HPARD to develop operational agreements with established standards and monitoring
  - iii. HPARD to define role of advocacy groups that have authority to perform functions related to parks and recreation
- m. Dedicated funding mechanisms
  - i. Park land dedication and/or cash in-lieu was adopted by City Council in November 2007 and is now part of the city ordinance affecting all new residential development
  - ii. Evaluate potential of real-estate transfer fees
  - iii. Expansion of management districts could lead to greater participation in parks
  - iv. Formalize naming rights and sponsorship programs
- n. Development and implementation of design, development, maintenance and operational standards

- o. Define core businesses for HPARD
  - i. Prioritized needs
  - ii. Accommodate a wider age and interests to serve:
    - 1. Family
    - 2. Youth
    - 3. Seniors
    - 4. Fitness, Health and Wellness
    - 5. Sports
    - 6. Nature/Environmental Education/Appreciation

## **MAJOR –OVERARCHING ISSUES**

The following major issues of HPARD were identified through various means of community input.

- a. Previous master plans developed by the city or by other park-oriented organizations contain published and approved “plans”; what has been lacking is the ability to implement these plans due to either lack of resources or changing political priorities
- b. Advocates and stakeholders have not had a common vision to guide initiatives
- c. The City relies heavily on outside public and private money to supplement its own bond funds for park system improvements and development.
- d. With multiple Park and Recreation Departments (City and County) and numerous Non-Profit organizations (e.g. Hermann Park Conservancy, Memorial Park Conservancy, Buffalo Bayou Partnership, The Park People, Houston Parks Board, etc.) each having their own focus they currently do not speak with one unified voice

## **COMMUNITY VALUES**

The community input process helped to identify the foundational principles and values that are held by Houstonians. These principles and values help describe consistent ideals that support decisions and truly unite the community as a whole. These community values are used to help frame out the strategic objectives of this plan. The following community values were identified through various means of community input.

- a. Small Town; Big City
- b. It's Home – Sense of Community, Neighborhood and Family
- c. Big Visions
- d. Strong sense of Entrepreneurship
- e. Community activism generated by grass roots initiatives
- f. Independent “go get it; can do” attitude

- g. Great signature parks and civic spaces
- h. Unique local landscape
- i. Embracing the bayous, the natural infrastructure of the city
- j. International City recognition

## HOUSEHOLD SURVEY

An important quantitative aspect of the Master Plan Update was to conduct a statistically valid household survey through out Houston. A total of 1,800 telephone surveys were completed within nine council districts (200 in each district) in English and Spanish from March 26 through April 27, 2007. The entire 1,800 sample size survey has a 95% confidence level plus or minus 2.4%. The confidence level within each council district is 95% plus or minus 7.1%. The household survey and detailed results are presented in the Appendix. Following is a summary of Key Findings:

1. Houston's residents use the parks frequently. Thirty-nine percent (39%) use Houston parks at least monthly. (Figure I-1)

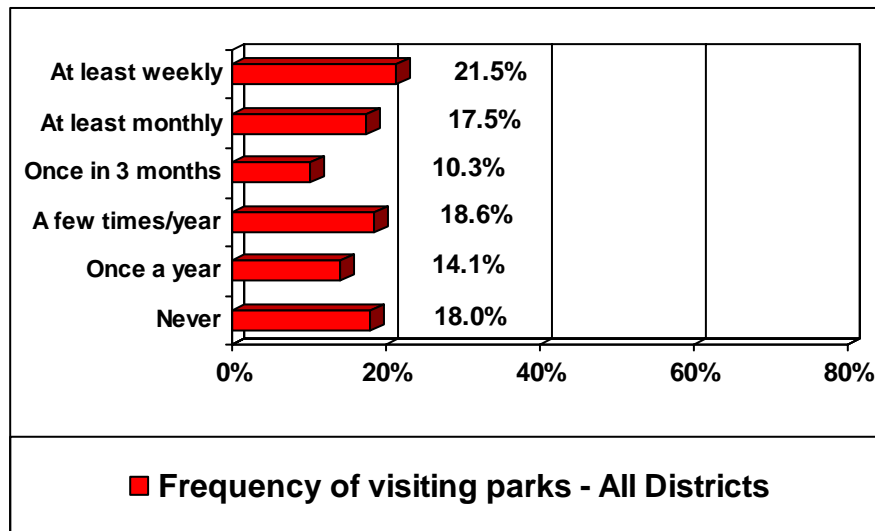


Figure I-1 - Park Visit Frequency in Houston within the Past Year

2. Thirty-four (34%) did not know if the parks they visit are city, county or private parks. Approximately fifty-eight percent (58%) of residents surveyed reported they visit City parks. (Figure I-2)

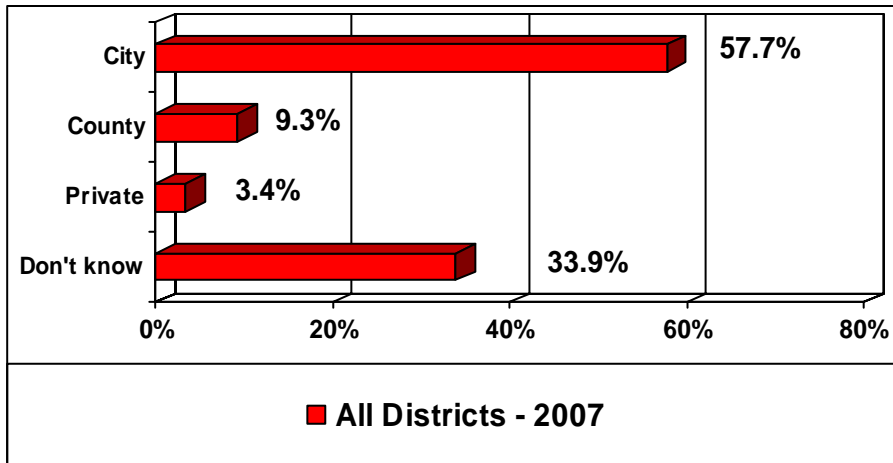


Figure I-2 - Do You Know if the Parks You Visit Are: City, County or Private Parks?

3. More than half (65%) of residents surveyed reported maintenance of the parks in Houston is excellent or good. (Figure I-3)

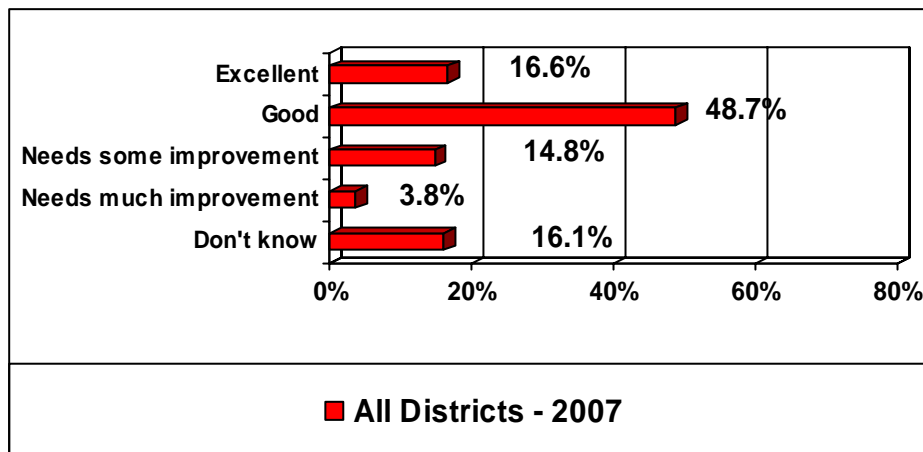


Figure I-3 - Park Maintenance

4. From the survey, the top three items that need improved maintenance were restrooms, upgrade certain facilities such as playgrounds, benches, tables, grills and trash cans and trash pick-up needs to be increased. (Figure I-4)

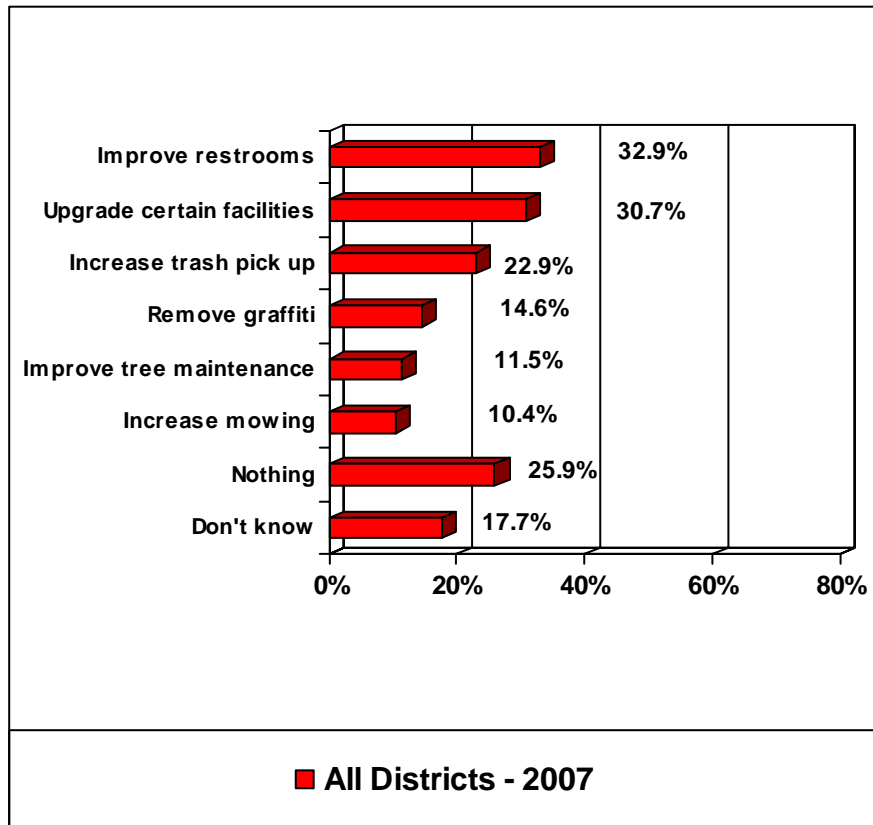


Figure I-4 - What, if Anything, Needs to be Done Differently in Park Maintenance?

5. When asked in the survey if they or a member of their family participated in recreation programs run by HPARD 83.5% had not participated in any type of program. A participation rate of 11.9% for youth fell to approximately 3% for adults and seniors. (Figure I-5a)

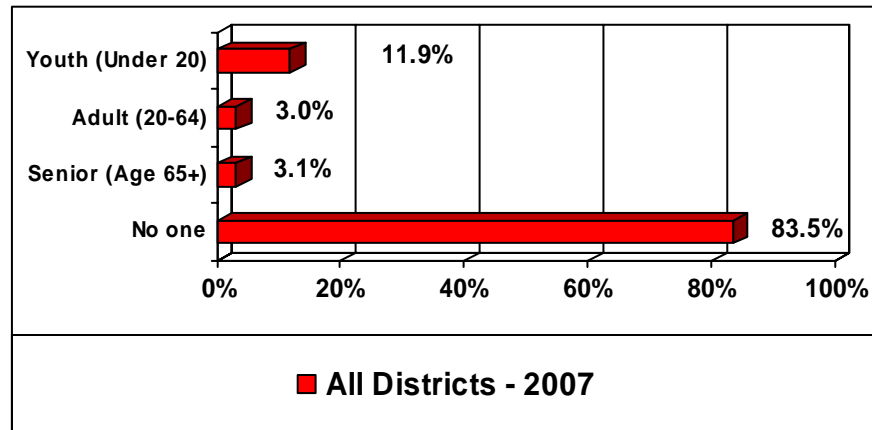
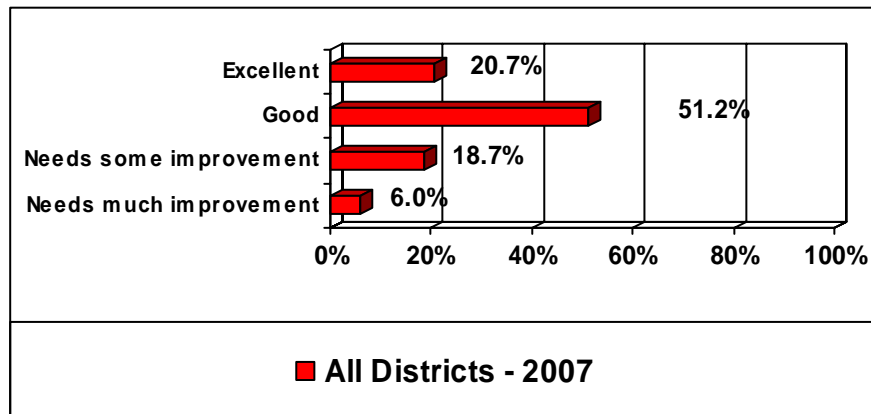


Figure I-5a - Participation in Recreation Programs



Base = Respondents who have participated in a recreation program (299)

Figure I-5b - Quality Rating – Recreation Programs

Of those who participated in recreation programs (Figure I-5b), nearly 72% rated the quality of the program good or excellent. The top five recreation programs of most interest in order of mention included fitness programs, computer learning programs, swim lessons, nature programs and learning trails, children's recreation programs. Overall, twenty-seven percent (27%) were not interested in recreation programs.



6. The top recreation programs of most importance in order of mention: fitness programs, computer learning, swim lessons, nature programs, children's recreation programs, outdoor environmental education and arts/crafts. (Figure I-6)

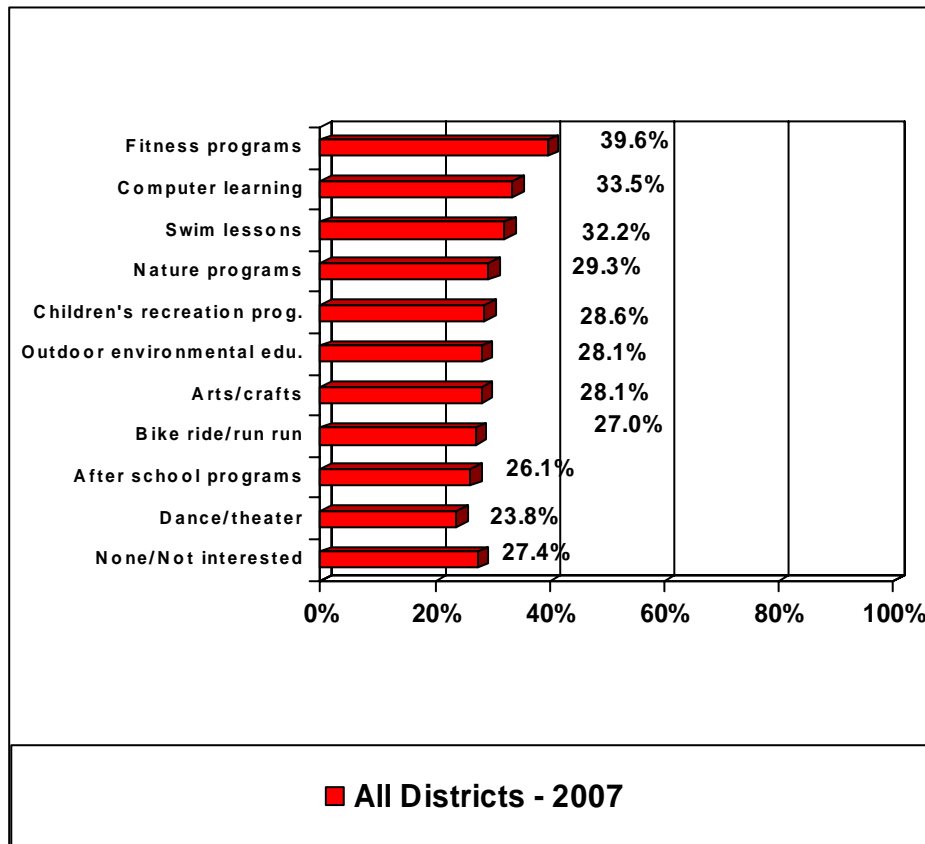
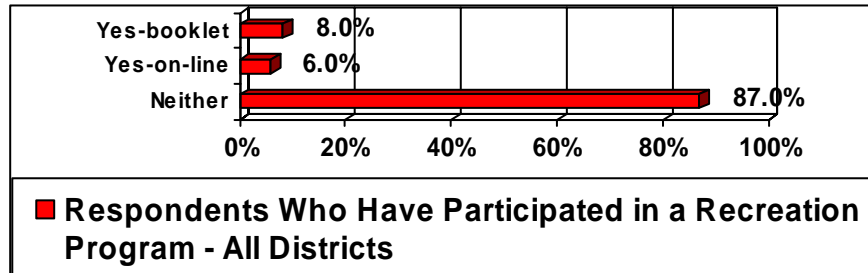


Figure I-6 - Recreation Programs of MOST Interest

7. Only 14% of the citizens participating in HPARD recreation programs find program information through HPARD's two major forms of communication, the printed booklet and their web site. HPARD needs to develop another means of communicating programs to the users and potential users. (Figure I-7)



Base = Respondents who have participated in a recreation program (299)

Figure I-7 - Use of Fall, Spring or Summer Recreation Program Catalogue Booklet or the On-line Booklet

8. The top five Districts expressing the highest need for park space (in order of mention); District B, C, F, A and H. (Figure I-8)

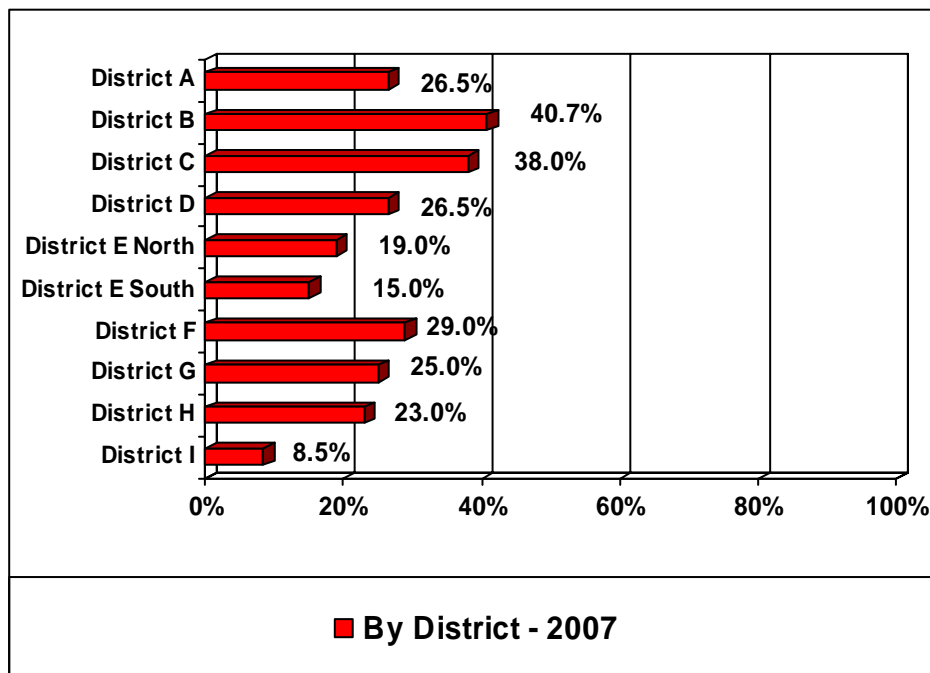


Figure I-8 - Are There Areas/Neighborhoods in the City That You Feel Need a Park?

9. The top priorities for spending additional funds for all districts was (in order of mention); revitalize existing parks, enhance park maintenance and develop new parks and facilities. (Figure I-9)

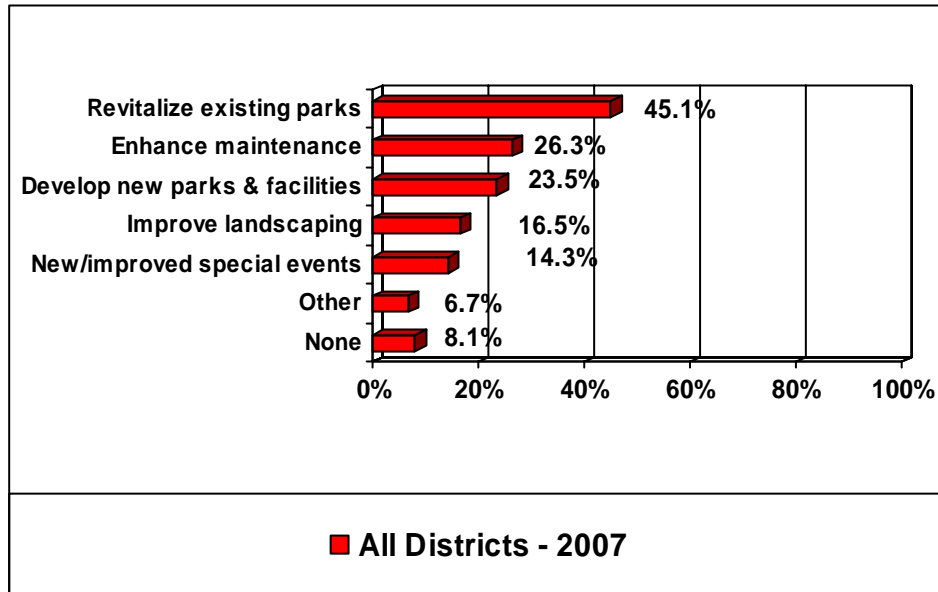


Figure I-9 - If the City of Houston Park and Recreation Department Had Additional Funds, in Which ONE or TWO Areas Would You Want Those Funds Spent?

10. More than half (55%) of households with children under 19 years of age visit Houston parks at least monthly. (Figure I-10)

District A		District B		District C
Memorial Park-15.4% Bear Creek Park-12.7% T.C. Jester Park-7.9% Hermann Park-7.0% Candlelight Park-4.4% Nob Hill Park-1.3%		Memorial Park-5.6% Hermann Park-7.1% T.C. Jester Park-4.1% Duessen Park-3.6% Dodson Lake Park-2.6% Finnigan Park-2.6% Tuffly Park-2.0% Lake Houston-2.0% Barbara Jordan-1.5%		Hermann Park-25.3% Memorial Park-12.0% Willow Park-2.2%
District D		District E North		District E South
Hermann Park-14.8% Tom Bass Park-14.2% MacGregor Park-13.0%		Duessen Park-10.0% Woodland Hills-8.3% Bear Branch-5.0% Kingwood-5.0%		Clear Lake Bay Area-25.0% Beverly Hills Park-6.0% Hermann Park-4.8% Randolph Park-4.8%
District F		District G		District H
Hermann Park-19.1% Memorial Park-15.6% Zoo (parks by zoo)-5.2% Harwin Park-4.6% George Bush Park-3.5% Bear Creek Park-2.9%		Memorial Park-18.1% Hermann Park-6.4% Bear Creek Park-4.3%		Memorial Park-10.1% Hermann Park-9.4% Clark Park-7.2% West 11 <sup>th</sup> Street Park-5.1% Moody Park-2.9% Independence Heights-2.9%
District I				
Mayfield Park-14.2% Andover Park-3.5% Ingrando-3.5% Garden Villas Park-2.8% Tom Bass Park-2.8% Mason Park-2.8% Hermann-2.8% Law Park-2.8% Memorial Park-2.1%				

Parks Visited Most by District (Top Mentions)

Figure I-10 Which Parks Do You Visit Most?

## DEMOGRAPHIC ANALYSIS

The Demographic Analysis provides an understanding of the population of City of Houston. This analysis addresses the overall size and distribution of the City's population by specific age segment, race and ethnicity, and the overall economic status and spending power of the residents through household income statistics.

In addition, the relationship of the population to the recreation participation trends is presented to demonstrate a theoretical demand.

## METHODOLOGY

Data used is based on the U.S. Census Bureau's 2000 Census of Population and Housing and ESRI. Base demographic data used for the analysis was obtained from Environmental Systems Research Institute, Inc. (ESRI), the largest research and development organization dedicated to Geographical Information Systems (GIS) and specializing in population projects and market trends. All base data was acquired in August 2007, and reflects actual numbers as reported in the 2000 Census and demographic projections based on ESRI statistical research in conjunction with the City of Houston. Demographic projections and adjustments were accomplished with information provided by the Texas State Data Center and the City of Houston Planning Department.

## HOUSTON, TEXAS

### POPULATION

The most populous city in the State of Texas, Houston had an estimated 2007 population of 2,231,335. With an area of approximately 8,778 square miles the population density is slightly more than 254 people per square mile.

The City of Houston's population is projected to increase by approximately 18% to 2,305,672 between 2000 and 2010. The population is projected to increase by 10.59% between 2010 and 2020 to 2,647,500. This population shift is projected for all races. The projections also reveal a slight aging population trend.

The population based on the 2000 census, estimated 2005, and projected 2010, 2015 and 2020 are shown in Figure II-1.

Population categorization by age segment demonstrates the relative youth of the City (see Figure II-2); the largest single age segment for 2005 is between the ages of 20 and 44 (42.1% of the total population). The age segment between 5 and 19 represents 22.2% of the population while the total of all below the age of 18 represents approximately 27.47% of the population. The segment of the population between the ages of 45 and 64 represents approximately 19.13% of the total population. This population composition indicates the potential demand for a wide range of recreational options.

**Figure II-1 – Estimated population of City**

Year	Population
2000	1,953,631
2005	2,085,737
2007	2,231,335
2010	2,305,672
2015	2,472,811
2020	2,647,500

## POPULATION GROWTH

The City of Houston population is projected to grow to 2,647,500 by 2020, an increase of 561,762 (26.93%) between 2005 and 2020. This represents an annual increase of approximately 1.6% per year. The projected shift to a maturing population is shown below in Figure II-3.

Figure II-2 - Population by Major Age Segment 2005

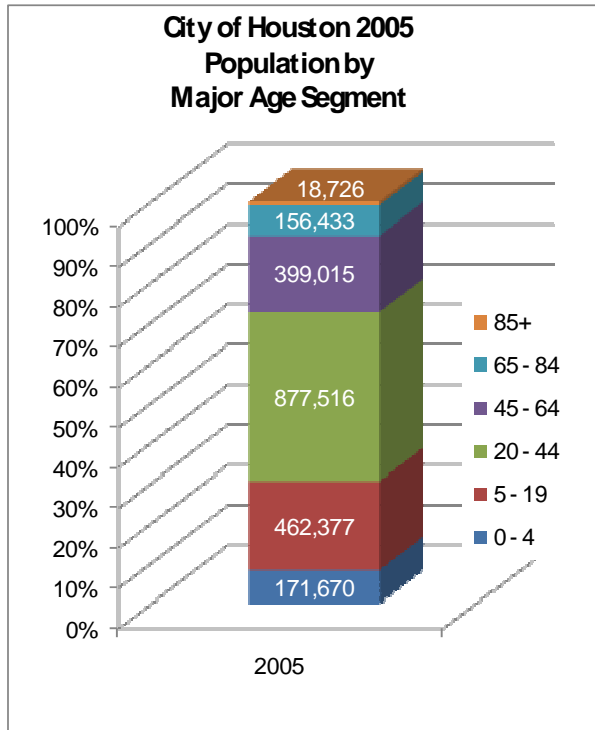
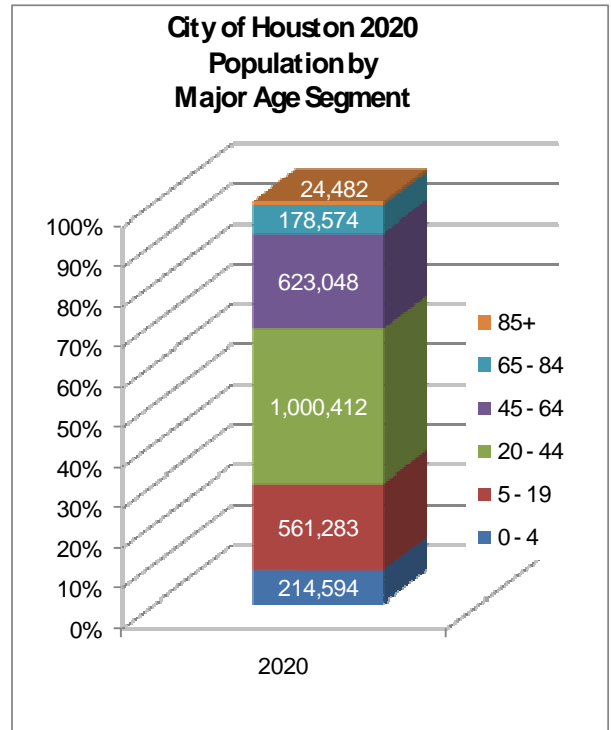


Figure II-3 - Population by Major Age Segment 2020



## GENDER

Gender distribution in the City of Houston is approximately equal: female population of 50.1% and male population 49.9% per the 2000 U.S. Census. The projected 2010 gender distribution is projected to be even. The gender distribution for projected 2020 is 49.95% female and 50.05% male.

Recreation trends indicate sixty-five percent (65%) of Americans say they participate in a sport or recreation of some kind (61% of women and 69% percent of men). The top ten recreational activities for women are walking, aerobics, general exercising, biking, jogging, basketball, lifting weights, golf, swimming and tennis. The top ten recreational activities for men are golf, basketball, walking, jogging, biking, lifting weights, football, hiking, fishing and hunting (see Figure II-4). By comparison, in 1990, fishing, hunting, and golf were mentioned by men as the most frequent sport activities while women mentioned swimming, walking and golf. Based on current participation trends, men and women shared a desire for six of the top ten recreational activities; in any 90-day span, men claim to participate in their favorite activities an average of 65 times and women an average of 57 times. With more women participating in recreational activities further into adulthood, more are shifting away from the team-oriented activities that dominate the female youth recreation environment towards a more diverse selection of individual participant activities, as evident in the top ten mentioned recreational activities.

Figure II-4 – Top 10 Recreational Activities by Gender

FOR WOMAN	FOR MEN
Walking	Walking
Jogging	Jogging
Golf	Golf
Biking	Biking
Basketball	Basketball
Lifting Weights	Lifting Weights
Aerobics	Football
General Exercising	Hiking
Swimming	Fishing
Tennis	Hunting

## RACE AND ETHNICITY

Houston's predominant race is White Alone, accounting for nearly 45.2% of the total population. The next largest race is Black Alone at 24.4%, followed by Other Races at 20.2%. The Asian population is 6.2% (see Figure II-5). Persons of any race with Hispanic origin account for 45.3% of the population. The 2020 projections shown in Figure II-6 indicate an increase in the total white population from 45.2% to 50.8% of the overall city population, accompanied by a decrease in all other races as a percentage of Houston's total population.

Figure II-5 - Population by Race 2010

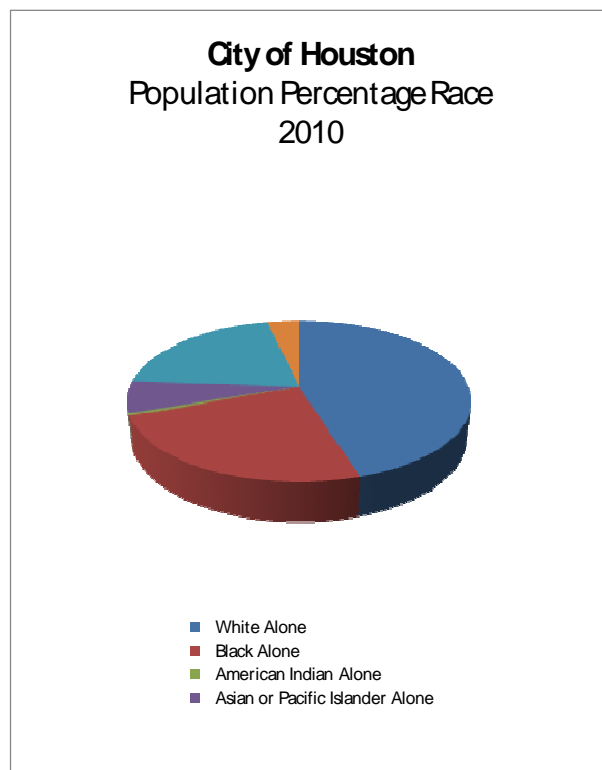
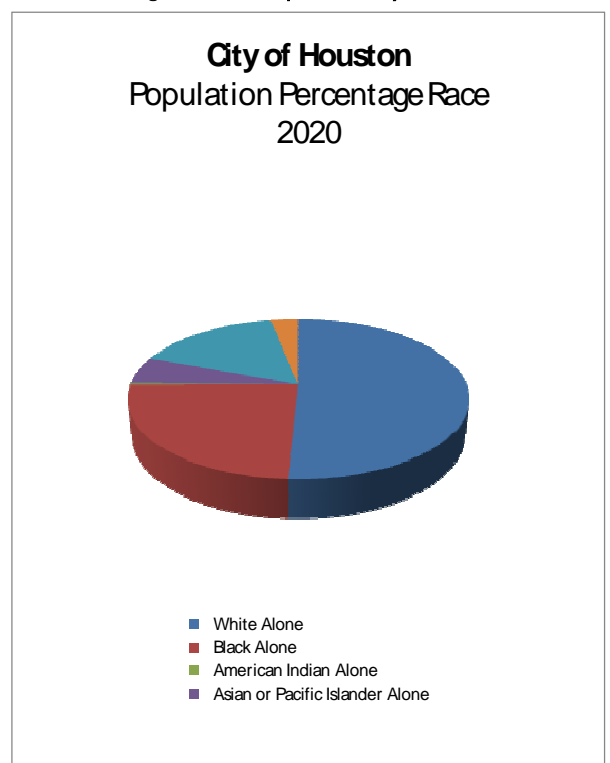


Figure II-6 - Population by Race 2020



## HOUSEHOLDS AND INCOME

The U.S. Census for 2000 estimated 718,231 households in Houston, out of which slightly more than 23% include related children under the age of eighteen and approximately 43% are married-couple families. 36.3% of the households are non-family households.

The average household income (the earnings of all persons age 16 years or older living together in a housing unit) in Houston is \$80,126 for 2010. The projected 2020 average household income is \$105,808. Houston's 2005 average household income of \$65,249 is above the average U.S. household income reported for 2005 of \$53,500.

## RECREATION PARTICIPATION BY ETHNICITY

Utilizing the Ethnicity Study performed by American Sports Data, Inc., a national leader in sports and fitness trends, participation rates among recreational and sporting activities were analyzed and applied to each race/ethnic group. Equivalent participatory numbers based on the total estimated 2005 population of the City of Houston are projected.

A participation index was also reviewed. An index is a gauge of likelihood that a specific ethnic group will participate in an activity as compared to the U.S. population as a whole. An index of 100 signifies that participation is on par with the general population; an index less than 100 means that the segment is less likely to participate, more than 100 signifies the group is more likely than the general public to participate.

### ANGLO RECREATION PARTICIPATION

The most popular activities for those classified as white alone in terms of total participation percentage, the percentage by which you can multiply the entire population to arrive at activity participation of at least once in the past twelve months, are:

1. Recreational Swimming – 38.9% participation rate (38.9% of the population has participated at least once in the last year); Houston equivalent of 378,789 participants
2. Recreational Walking – 37.0% participation rate; Houston equivalent of 360,287 participants
3. Recreational Bicycling – 20.6% participation rate; Houston equivalent of 200,592 participants
4. Bowling – 20.4% participation rate; Houston equivalent of 198,645 participants
5. Treadmill Exercise – 19.1% participation rate; Houston equivalent of 185,986 participants

High participation percentages in freshwater fishing (17.3% participation rate), hiking (17.2% participation rate), and tent camping (17.2% participation rate) demonstrate the high value that the white population places on outdoor activities. Sailing (Index of 124), kayaking (Index of 121), and golf (Index of 120) are three activities that the white population is more likely to participate in than the general public.



#### AFRICAN-AMERICAN RECREATION PARTICIPATION

Analyzing the top five activities that the black alone participates in at the greatest rate results in:

1. Recreational Walking – 26.7% participation rate; Houston equivalent of 137,517 participants
2. Recreational Swimming – 20.2% participation rate; Houston equivalent of 104,039 participants
3. Basketball – 19.8% participation rate; Houston equivalent of 101,979 participants
4. Bowling – 17.5% participation rate; Houston equivalent of 90,133 participants
5. Running/Jogging – 14.3% participation rate; Houston equivalent of 73,652 participants

Football (Index of 199), BMX bicycling (Index 172) and basketball (Index of 160) are also among the higher participated in activities among the black populace.

#### HISPANIC RECREATION PARTICIPATION

The five most popular and most participated in activities for those of Hispanic descent are:

1. Recreational Swimming – 33.2% participation rate; Houston equivalent of 283,816 participants
2. Recreational Walking – 31.2% participation rate; Houston equivalent of 266,719 participants
3. Recreational Bicycling – 19.7% participation rate; Houston equivalent of 168,409 participants
4. Bowling – 18.5% participation rate; Houston equivalent of 158,151 participants
5. Running/Jogging – 18.0% participation rate; Houston equivalent of 153,876 participants

In terms of participation index, the Hispanic populace is more than twice as likely as the general population to participate in boxing (Index of 264), very likely to participate in soccer (Index of 177), and more likely to participate in paintball (Index of 155) than any other ethnic group. For comparison reasons, although Hispanics are nearly twice as likely to participate in soccer as any other race, only 9.0% of the Hispanic population participated in the sport at least once in the last year.

#### ASIAN RECREATION PARTICIPATION

The top five recreational activities for the Asian populace in regards to participation percentages are:

1. Recreational Walking – 33.3% participation rate; Houston equivalent of 39,587 participants
2. Recreational Swimming – 31.9% participation rate; Houston equivalent of 37,923 participants
3. Running/Jogging – 21.6% participation rate; Houston equivalent of 25,678 participants
4. Bowling – 20.5% participation rate; Houston equivalent of 24,370 participants
5. Treadmill Exercise – 20.3% participation rate; Houston equivalent of 24,133 participants

The Asian populace participates in multiple recreational activities at greater rate than the general population with lacrosse being the activity boasting the greatest index (Index of 615), squash (Index of 414), mountain/rock climbing (Index of 262), yoga/tai chi (Index of 229), martial arts (Index of 227), artificial wall climbing (Index of 224), badminton (Index of 222), and rowing machine exercise (Index of 206) each represent an activity that Asian's are more than twice as likely to participate in than the general public.

#### POPULATION DENSITIES

The population density maps shown in Appendix 1 characterize 2010 and 2020 population density and distribution within the City of Houston in total and by race, ethnicity and age segments. A sample of the density mapping is presented in Figure II-7. The sample map demonstrates the persons per acre organized by census tracts.

These density maps provide the foundation for the equity maps depicting service areas of various parks and recreation facilities.

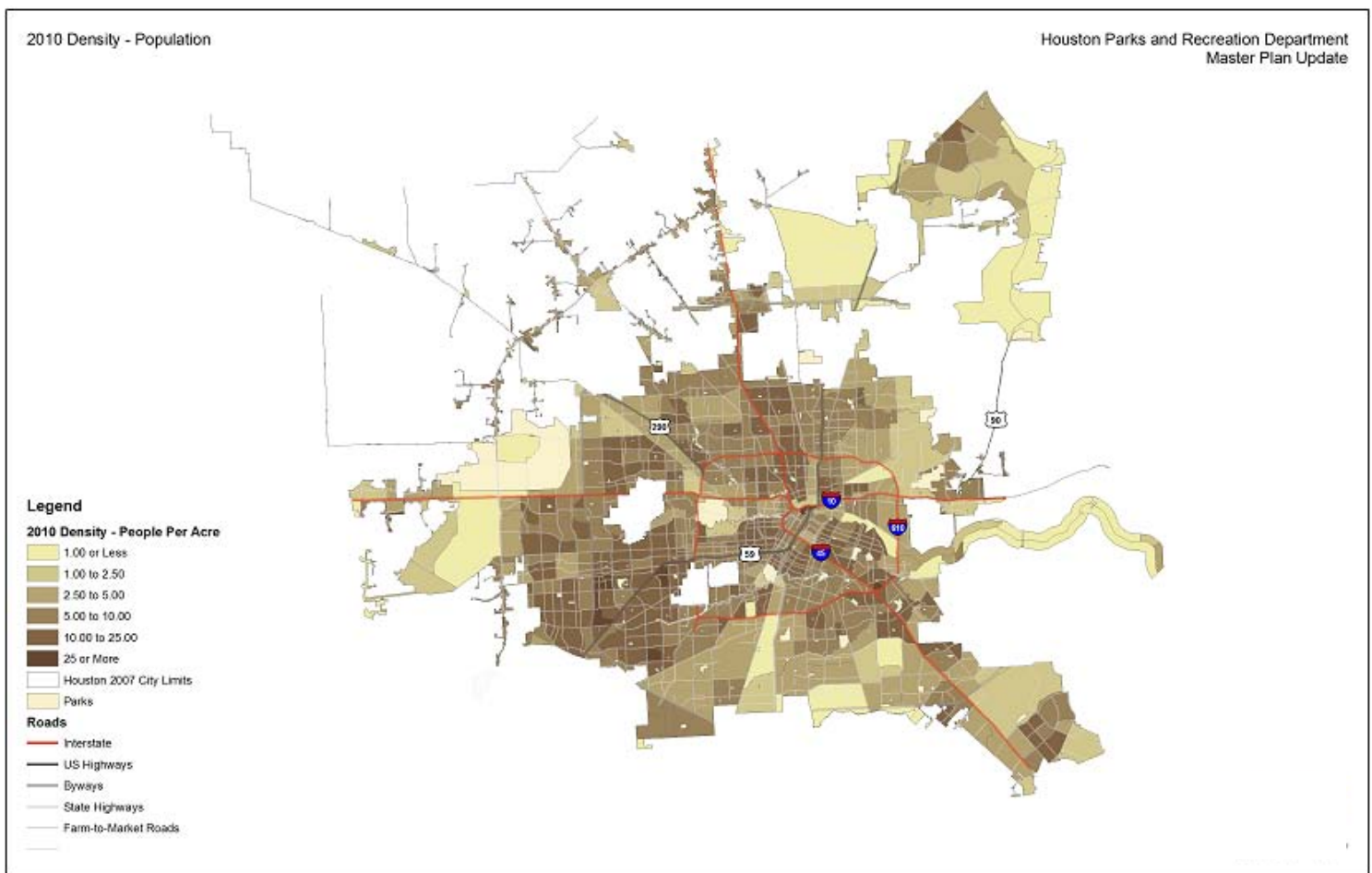


Figure II-7 – Sample Density Map

## LOCAL RECREATION TRENDS

The American Sports Data, Inc (ASD) Superstudy of Sports Participation (Superstudy) volumes were utilized to evaluate national trends. ASD has been an unequaled leader in sports and fitness participation trends for over two decades; the Superstudy is based on a national consumer mail survey of 30,000 adults and children. Using the 2005 Superstudy of Sports Participation, the following national participation trends were identified based on current assets provided to the constituency – traditional team sports and “extreme”, or adventure, sports. The Superstudy compares changes in participation during the past one (1), five (5), seven (7), and eighteen (18) years. Although the one (1) year change may indicate a future trend or current fad, it is the 5, 7, and 18 year data that is representative of ongoing trends. This report includes analysis of both short term and long term participation changes.

### TRADITIONAL AND EXTREME SPORTS TRENDS

Traditional sports, referred to as the social glue that bonds the country, play an important role in American society. By teaching important values of teamwork and discipline while stressing physical fitness and a healthy lifestyle, sports have been the building block for many of Americans. The sport that evokes more nostalgia among Americans than any other is baseball. So many people play the game as children and grow to become devout followers of the professional game that it has become known as “the national pastime”; however, based on participation, baseball has experienced a seventeen percent decrease in the participation base between 1998 and 2005. Basketball, a game originating in the U.S., is actually the most participated in sport among the traditional “bat and ball” sports with nearly thirty-two (32) million estimated participants. This popularity can be attributed to the ability to compete with relatively small number of participants, the limited number of supplies needed to participate, and the limited space requirements necessary – the last of which make basketball the only traditional sport that can be played at the majority of American dwellings.

The sport that has had the largest increase in popularity, although a relatively modest 1.6 million American’s participate, is Lacrosse. Lacrosse increased by seventy-six percent from 2004 to 2005; ice hockey (29% increase), touch football (8.4% increase), and outdoor soccer (8.1% increase) are the four sports with the largest percentage increase in participation from 2004 to 2005. However, when analyzing the five and seven year trends, all sports except lacrosse and tennis have experienced declines. Even with this magnitude of decline among sports, most of which are a double digit percentage decrease, it is expected that these sports are capable of surviving a downward trend for a number of years.

Although traditional “bat and ball” sports have seen a steady decrease in annual participation over the past few years, the sheer numbers of total participants make these activities vital for most communities. Total participation among the “bat and ball” activities, although not independent of one another, accumulated nearly one hundred forty-one million (140,935,000) participation days in 2005.

### EXTREME/NON-TRADITIONAL SPORTS

Extreme sports blast onto the scene in 1995 with the first airing of the Extreme Games, now simply known as the X Games, by ESPN. The national broadcast of the summer and winter X Games have introduced these extreme sports – including freestyle BMX, freestyle motocross, surfing, skiing, snowboarding, and, of course, skateboarding – to the general public, instantly creating new markets. According to ESPN, the X Games remain the most watched sports show among males aged 12 to 34. Extreme sports have had the ability to maintain a user base well beyond the ages of most traditional sports, a trend made evident by the popularity of the nearly 40-year old X Game star Tony Hawk of skateboarding and BMX fame.

Of all of the extreme sports, skateboarding have the youngest average age – 14.2 – which would support the assumption that skateboarding may be an entry sport into the extreme sports segment. Eighty-two percent (82%) of skateboarding participants are under 18 years of age. Of all of the skating sports, skateboarding has the highest average number of participatory days per year, nearly doubling all other skating activities with an average number of participatory days of forty-two (42). This could be explained by the relative ease of participation – skateboarding requires neither a team nor organization as compared to roller hockey. Both have relatively inexpensive entry requirements. Of the skating sports, only skateboarding and roller hockey experienced short term growth from 2004 to 2005; all have seen declines in participation since 2000 – in-line skating has experienced the largest decrease in participation to a tune of more than 12 million persons.

BMX biking has the ability to transition from a predominantly youth activity to an activity that now boasts an average age of participant of nearly 26 years, with an astounding 36% of participants 25 or older. However, BMX experienced a decrease of one and a half million participants from 2000 to 2005. Thirty-seven percent of participants took part in BMX activities at least 25 times in the last twelve months, with the average number of days of participation of fifty-two (52.0). The average number of years for BMX participation is nearly eight (7.9), with approximately twenty-one percent (20.9%) of all participants having participated for more than ten years.

The outdoor extreme sports – mountain biking, climbing, trail running, canoeing, kayaking, and rafting – all have a more mature audience. As with most sports, the level of participatory risk determines the extreme element; canoeing and kayaking are two of the least extreme of the outdoor extreme sports due to the lack of favorable waterways needed for the element of risk. Artificial wall climbing, inspired by mountain/rock climbing, but geared more towards the non-extremist, is the only extreme “outdoor” sport with an average age of participant below 20 (artificial wall climbing’s average age is 17.7).

Extreme/non-traditional sports do have some of the best growth rates among recreational and sporting activities – four of the seven activities have experienced five year growth rates of better than seventeen percent (17%) as well as healthy growth over a seven year period. Due to most of the outdoor sports requiring specialized equipment and non-urban settings to participate, most have lower than average participation days than other extreme sports. Only trail running (average 33.2 participation days per year), mountain biking (average 17.5 participation days per year), and kayaking (average 12.8 participation days per year) have averages of more than ten days per year of participation. In terms of years of participation, artificial wall climbing once again differs vastly from the other outdoor sports (2.8 average number of participation years; 3.0% have participated 10 or more years). The recent boom in participation of artificial wall climbing, a seven year participation increase of nearly ninety percent (88.9% growth from 1998 to 2005) can be explained by the trend seen over the last few years of placing climbing walls in municipal recreation centers, college campuses, and shopping malls across the U.S. Canoeing has the highest average number of years of participation and the highest percent of participants with ten or more years of participation (9.8 average number of participation years; 37.1% have participated 10 or more years).

## HOUSTON RECREATIONAL ACTIVITY OVERVIEW – MOST PARTICIPATION IN ACTIVITIES

Participation was analyzed by all recreational activities based on regionalized participation trends. When all recreational activities are combined – traditional sports, fitness activities, and non-traditional/extreme sports – total participation as it relates to the Houston service area can be estimated by individual activity. The ranking of top twenty activities produces some interesting participation trends which are presented in Figure III-1. Three main points of emphasis are evident:

The top twenty (20) activities focus on individualized participation rather than team sports (i.e., Recreation Swimming, Stretching, Treadmill Exercise, etc.). Bowling is the only team sport in the top twenty (20). Individualized fitness activities rank highest on the list:

Ranking	Activity
1	Walking, Recreational
2	Swimming, Recreational
3	Free Weights, Net
4	Treadmill Exercise
5	Health Club Membership
6	Fishing, Net
7	Fitness Walking
8	Stationary Cycling, Net
9	Stretching
10	Bowling
11	Bicycling, Recreational
12	Weight/Resistance Machines
13	Free Weights, Dumbbells
14	Free Weights, Hand Weights
15	Camping, Net
16	Fishing, Saltwater
17	Billiard/Pool
18	Elliptical Motion Trainer
19	Running/Jogging
20	Abdominal Exercise/Device

FIGURE III-1 – MOST PARTICIPATED IN ACTIVITIES IN HOUSTON, RANKED

## PARKS AND FACILITIES – HOUSTON'S GREEN INFRASTRUCTURE

### OVERVIEW

The City of Houston's green infrastructure is centered in its parks and recreation facilities. With 38,933.42 acres operated and maintained by HPARD and another 23,000 acres operated and maintained by other agencies, the City of Houston is one of the greenest cities in the nation.

The purpose of the Parks and Facilities assessment was to evaluate how this green space is developed, allocated and used to meet the various recreation needs that exist in Houston.

The following section presents the findings and analysis of the overall systems of parks and facilities. This recommendations support the Facilities Development Plan

### SUMMARY OF PREVIOUS PLANNING EFFORTS

HPARD has been following guidelines set forth in the 2001 Parks and Recreation Master Plan for the growth and redevelopment of the city's park system. Prior to the 2001 planning effort the last parks master plan had been completed in 1977. In addition, numerous studies and plans were prepared by the City and other interested stakeholders. Each of these plans was reviewed in order to understand their potential impact on the current master plan update.

#### ***Parks and Recreation Master Plan, 2001*** **City of Houston**

The 2001 Parks and Recreation Master Plan set forth the following Goals, many of which are still applicable:

1. Provide parks and common open spaces adequate in size, distribution and condition to serve all citizens.
2. Provide recreational facilities and activities to meet the leisure interests and health needs of Houston citizens.
3. Use the park system to preserve and protect environmentally significant areas for public enjoyment and education.
4. Maintain, secure and manage parks in a manner which encourages their appropriate use.
5. Maximize public/private partnerships to assist in all aspects of parka and recreation planning and development.

Other planning initiatives include the following:

### ***Report of the Green Ribbon Committee, 1983***

In 1983 a committee over 60 citizens developed and published the Green Ribbon Report which called for a seven year program of acquisition and improvements totaling \$1 billion and the following year voters approved a \$67.6 million parks and recreation bond program.

The report begins by stating that "Greater Houston deserves a parks system that is recognized both nationally and locally as among the top systems in the nation and the world. If all jurisdictions in the Houston-Harris County area are to provide such a top quality parks and recreation system for their residents, they must:

1. Create a coordinated parks management system
2. Adopt and continually update a capital improvement program
3. Use effective budgeting and control procedures
4. Increase the supply of parkland
5. Increase and upgrade facilities and programs.
6. Institute regular review procedures

These are the conclusions of the Green Ribbon Committee, a citizens' group appointed by local, state and federal authorities to prepare a multi-year action plan which would correct deficiencies and allow the parks and recreation system to keep pace with growth."

### ***System-wide Maintenance Management Study*** **HPARD**

In 2003 a privately funded study looked at the maintenance practices of HPARD and the principal recommendations fall into seven categories:

1. Create data needed to manage effectively
2. Implement performance standards
3. Generate internal revenue
4. Create a balanced park system
5. Engage the community through well-managed partnerships
6. Become a proactive system instead of a reactive system
7. Special area: Urban forestry and capital asset management

### ***Buffalo Bayou and Beyond, Visions, Strategies, Actions for the 21<sup>st</sup> Century*** **Buffalo Bayou Partnership, City of Houston, Harris County and Harris County Flood Control District**

"...the backbone of a park system for Houston will naturally be its bayou or creek valleys, which readily lend themselves to 'parking' and cannot so advantageously be used for other purpose. These valleys intersect the city in such a way as to furnish opportunities for parks of unusual value within a comparatively short distance of most residential areas..."

Arthur Coleman Comey, Landscape Architect  
Planning Report of 1913 for the Houston Park Commission

Planning strategies for Buffalo Bayou include:

1. Rehabilitate the Bayou as an ecologically functional system
2. Increase floodwater conveyance capacity
3. Promote low impact development
4. Improve visibility of the Bayou
5. Ensure equity of access
6. Increase residential opportunities downtown
7. Create new jobs and revenue
8. Promote joint public-private development

***Report of the Regional Task Force on Parks and Open Space:  
Accelerating Parks and Open Space Creation in the Face of Growth, 2007  
Center for Houston's Future***

Strategies to accelerate parks and open space creation in the region include:

1. Relating to new park development, the region's most pressing need is sustained local public funding for land acquisition and park development.
2. The Task Force has identified sources of federal and other funding from outside the region, which offer the opportunity to leverage committed local funding with federal and state funds. Maximizing the region's ability to access these funds depends on ongoing cooperation among the region's park entities, both to share information on sources and to collaborate on identified regional priorities. To that end, the Task Force recommends the formation of a public-private partnership to include major parks systems as well as private funders and the business community and creation of a region wide GIS system to gather reliable local data on parks.
3. Support for Texas Parks and Wildlife Department's system of state parks is important in three ways to our region's ability to meet its park needs.
  - As the region grows the cost of infrastructure should be fairly distributed among existing taxpayers and future residents.
  - Other parts of the state have successfully created partnerships with TxDOT to ensure that mitigation requirements for road projects are appropriately and fully used. The Task Force recommends that our region's park agencies aggressively pursue this and other mitigation strategies.
  - The most multi-purpose use strategy for our region is utilizing our numerous waterways and coastal areas for parks, recreation and open space.
4. As the region grows the cost of infrastructure should be fairly distributed among existing taxpayers and future residents.
5. Other parts of the state have successfully created partnerships with TxDOT to ensure that mitigation requirements for road projects are appropriately and fully used. The Task Force recommends that our region's park agencies aggressively pursue this and other mitigation strategies.
6. The most multi-purpose use strategy for our region is utilizing our numerous waterways and coastal areas for parks, recreation and open space.



7. The SPARK model of creating neighborhood parks on school grounds is an additional multi-purpose use strategy that should be evaluated by local entities for emulation throughout the region.
8. Houston offers several successful models for leveraging private sector funding that other communities in the region may consider, ranging from a charity whose board is entirely appointed by elected officials, to a charity with a purely private sector board, to entities that blend private and public sector leadership and relationships.
9. User fees, which are increasingly and widely used nationally, must be considered an important revenue source for maintenance and perhaps for creation of parks.
10. The region's park agencies have become expert in minimizing land acquisition costs and utilizing partnerships in order to cope with limited park budgets.

## INVENTORY

HPARD provided the Consultant Team with the park and facility inventory with location information and amenities. Area data for each park, lists of park amenities and sport field amenities were also provided by HPARD. The project team surveyed Google Earth as additional amenity verification and then developed GIS coordinate information from the park location data to prepare facilities maps. The inventory was compared with the 2001 Master Plan, the 2004 park inventory, and the 2004 ball field inventory prepared by the non-profit leagues. The team used Harris County park data for County facilities within the City of Houston. Park playground amenities were compared with the January, 2007 playground inventory.

A consolidated park and facility inventory was prepared and presented to the HPARD staff for review and edit. The reviewed and adjusted inventory was used for the facilities analysis and development program.

## PARK CLASSIFICATIONS

Park classifications provide structure and guidelines for developing, re-developing and managing the various types of parks that exist within a municipal park system. The following park classifications have been developed for Houston and this Master Plan Update to provide guidance for future new development and to determine the appropriateness of facilities within a park for renovation and redevelopment within the system. The classifications are categorized by size or special use. Within each of the classes of parks are their size range, service areas, typical and optional development, inappropriate facilities, lighting and parking requirements.

Classifications	Typical Development	Optional Facilities	Inappropriate Facilities	Lighting	Parking
<b>Pocket Park</b>  Less than 1 acre; ¼ mile service area	Playground (small), Picnic tables, site furnishings, plantings	Gazebo, gardens, art, natural habitat	Sport courts and fields, restrooms, pool	Security only	For maintenance only
<b>Neighborhood Park</b>  1 to 15 acres; ½ mile service area	Playground, open space, walking trails, picnic tables, site furnishings, natural habitat, plantings	Sports practice fields, picnic shelter, multi-use courts, gardens, lighted trails	Lit athletic fields, recreation center, multi-use pavilion, pool, sprayground, tennis courts, restrooms	Security only	On-street and maintenance
<b>Community Park</b>  16 to 150 acres; 5 mile service area	Playground, practice and game (lights), multi-use courts, trails, picnic, group picnic, open space and natural habitat, site furnishings, plantings	Recreation center, tennis courts (2-4), multi-use pavilion, pool, sprayground, screened portable toilets		Fields courts, playground, trails and parking	Parking lot
<b>Regional</b>  Over 150 acres; entire region service area	Playground, open space and reserves, natural habitat, sports complexes (lights) and concessions, multi-use courts, trails, picnic areas, picnic pavilions, restrooms, site furnishings, plantings	Golf course, tennis center (8 or more courts), multi-use pavilions, pool or natatorium, sprayground, mature trails or nature area, multi-purpose center, senior center, fishing access, horticultural center and other unique recreation activities		Fields and courts, security for playground and trails, parking, park drives, trails	Parking lot(s) and possible interior drives

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Classifications	Typical Development	Optional Facilities	Inappropriate Facilities	Lighting	Parking
<b>Linear Park/Greenway</b>	Trails, natural habitat, site furnishings, plantings	Small picnic area, small playground, screened portable toilets, exercise stations, art, lighted trails		Security only	Parking lot if along major thoroughfare
<b>Park Reserve and Natural Area</b>  Over 5 acres	Unpaved trails, wildlife observation stations, drinking fountains at trail heads, fishing access, natural habitat, signage	Screened portable toilets	Sport courts and fields, playgrounds	None	Parking Lot with gate
<b>Plaza or Square</b>  Less than 10 acres; service area varies	Focal point such as fountains, monuments, public art, banners or flags; special paving, extensive plantings, decorative site furnishings, drinking fountains, signage	Small stage, shade structure		General site and accent lighting	No surface parking; garage parking if downtown

Classifications	Typical Development	Optional Facilities	Inappropriate Facilities	Lighting	Parking
<i>Special Use Areas</i>					
<b>Cultural or Historical Park</b>  Less than 25 acres; service area varies	Focal point such as fountains, monuments, historical buildings or art; special signage, historic markers and interpretive graphics, streetscape furnishings, plantings	Picnic area, visitors information center		General site and accent lighting	Parking lot with bus parking
<b>Esplanades, Boulevards and Medians</b>	Landscape enhancements	Lighting, sculptures, signage	Playgrounds or related recreation amenities	N/A	N/A
<b>Sports Complex</b>	Lighted game fields or courts, playground, restrooms, concessions, trails, picnic areas, picnic pavilions, restrooms, site furnishings, plantings	Lighted practice fields	Dog parks, spraygrounds, swimming pools, nature preserves	Fields and courts, security for playground and trails, parking, park drives, trails	Parking lot(s), bus parking and possible interior drives
<b>Recreation/Community Center</b>	Indoor facilities that serve recreation programming and community related services	Can be stand-alone or within a park or like site	N/A	General site, parking and security	Parking lot
<b>Golf Course</b>	Dependent on market	Reservation facilities	Playgrounds, sports fields	Parking and security	Parking lot

## ASSESSMENT

The project team toured a sample of the various park classifications within the Houston parks system. Among park types visited were regional, community, neighborhood, pocket and linear parks. Other facilities toured were community and multi-service centers. Following is a high-level assessment of the parks visited.

### REGIONAL PARKS

Regional Parks toured:

- Herman Brown
- Hermann Park
- Memorial Park
- Sunnyside Park

The Strengths of Regional Parks include:

- Highly popular parks with heavy use by a wide range of user types
- Clean and well maintained
- Natural setting, feel and design establish the signature benchmarks for the system

The Weaknesses include:

- The level of usage impacts traffic and pedestrian flow
- Heavy use requires increased maintenance standards for litter control and related services
- Signature facilities are not equitably distributed throughout the system

Opportunities include:

- Emulate successful elements of design and development at other parks and sites throughout the system
- Promote signature parks and facilities demonstrating quality of service delivery

### COMMUNITY PARKS

Community Parks toured include:

- Bayland Park (Harris County)
- Burnett/Bayland Park
- Gragg Park
- MacGregor Park
- Mason Park
- Melrose Park
- Milby Park
- Selena/Denver Harbor
- Squatty Lyons Park
- Tony Marron Park

Strengths of Community Parks are:

- Good circulation and flow
- Natural habitat areas and mostly mature trees
- Good overall image
- Incorporation of the Bayous

Weaknesses of Community Parks are:

- Heavy Use – Trash and Graffiti
- Identified routine maintenance needs including grass trimming, etc.
- Many areas are very overplayed
- Drainage problems exist (albeit following high levels of rain)
- Need more/additional safety lighting
- Location of many Community Parks are not well connected or easily accessible from Neighborhoods

## **NEIGHBORHOOD PARKS**

Neighborhood Parks toured include:

- Baldwin Park
- Clark Park
- Emancipation Park
- Ervan Chew Park
- Fonde Park
- Godwin Park
- Greenwood Park
- Guitierrez Park
- Hidalgo Park
- Karl Young Park
- Mangum Manor Park
- Meadow Creek Village Park
- Nelson Park
- Settegast Park
- Shady Lane Park
- Westwood Park

Strengths of Neighborhood Parks are:

- Good Use of Bayous
- Typically Good Neighborhood Connection
- Partnering with Other Revenue Sources

Weaknesses of Neighborhood Parks are

- Heavy Use – Trash and Graffiti
- Need Internal Park Trails
- Drainage Issues
- Crosswalks Needed for Neighborhood Connection

## **POCKET PARKS**

Pocket Parks toured were:

- Donovan Park (Houston Heights Association)
- Nellie Keyes Park
- Uvalde Park

Strengths of Pocket Parks include:

- Good Neighborhood Fit/Siting
- Good Placement of Amenities, e.g. Community Garden at Nellie Keys Park

Weaknesses of Pocket Parks include:

- Unused Space
- Parking is an issue
- Inner Trails and Crosswalks Are Needed

## **LINEAR PARKS**

Linear Parks or Greenways toured include:

- Heights Blvd Park
- T.C. Jester Park
- Watonga Park
- Willow Waterhole Greenway

Strengths of Linear Parks are:

- Good Use of Limited Space
- Good Use of Trails
- Good Vegetation

Weaknesses of Linear Parks include:

- Proximity to Streets Exclude Neighborhoods
- Drainage
- Trash and Graffiti
- Poor Signage in Areas

## **SPECIAL USE AREAS**

Special Use Areas visited were:

- Maxey Road Dog Park
- Shady Grove Plaza in Eleanor Tinsley Park
- Sharpstown Park
- Veterans Memorial Park

Strengths

- Impressive War Memorial
- Good Park Art
- Park Siting and Visibility Good

#### Weaknesses

- Drainage
- Trash and Graffiti
- Lack of Benches and Other Amenities

#### **SERVICE CENTERS**

Service Centers toured are:

- Herman Brown Service Center
- Metropolitan Multi-Service Center
- Milby Service Center
- Wheeler Complex Service Center

Strengths are:

- Access Control
- Incorporation of Play Features and Park Amenities
- Well Maintained

Weaknesses include:

- Older Facilities
- Need increased landscaping, particularly Shade Trees
- Parking Areas Generally Need Resurfacing
- Access Control Not Manned
- Locations Do Not Appear to Be Centrally Located

#### **COMMUNITY CENTERS**

Community Centers toured were:

- Clark Community Center
- Melrose Community Center
- Shady Lane Community Center
- Lee LeClear Tennis Center

Strengths of Centers are:

- Unique Designs
- Multiples Uses Occurring During Visits
- Clean and Well Maintained
- Access Control

Weaknesses include:

- Heavy Usage – Trash and Graffiti Outside the Centers
- Drainage in Parking Areas
- Lack of Concessions at Tennis Center



## PARKS/OPEN SPACE AND FACILITY STANDARDS

Parks/open space and facility standards are guidelines that define service areas based on population and support investment decisions related to facilities and amenities. These standards consider the City of Houston and other area service providers. The standards consider public service providers such as Harris County, State Parks, and other public, semi-public and private recreation services groups. Standards can and will change over time as the program lifecycles change and demographics of an area change.

The project team evaluated parks/open space and facility standards using a combination of resources. These resources included: National Recreation and Park Association (NRPA) guidelines; recreation activity participation rates reported by American Sports Data as it applies to activities that occur in the United States and the Metropolitan Statistical Area; community and stakeholder input; and general observations. This information allowed standards to be customized to the needs of the City of Houston.

Establishing and applying facility standards will be used to achieve the following:

- Serve as a guide for land requirements for various kinds of park and recreation areas and facilities
- Relate the recreation needs to spatial analysis within a community-wide system of parks and open space areas
- Become a major structuring element that can be used to guide and assist regional development

Open space and facility standards are applied to population factors (per 1,000 persons), which are used in a gap analysis to determine if too many or too few facilities exist to serve the population. These standards are further applied to the Service Area Analysis where overlaps and gaps are graphically identified based on population densities within the service area of a specific facility or amenity.

These standards should be viewed as a guide. They address goals to be achieved. The standards are to be coupled with conventional wisdom and judgment related to the particular situation and needs of the community. By applying these facility standards to the population of the City of Houston, gaps and surpluses in parks facility types are revealed. **Figure IV-1** presents the recommended facility standards and the representative facilities for projected population in 2007 and 2020.

FIGURE IV-1 - OPEN SPACE AND FACILITY STANDARDS

Facility Type	City of Houston	Harris County	Other Providers	Total Inventory (All Providers)	Current HPARD Service Level	Total Inventory Service Level	National Guideline Service Level	2001 Master Plan Recommendation	Recommended HPARD Standard	HPARD Over/(Under) Standard based on Current Inventory (2007 Estimated Population)	Total Inventory Over/(Under) Standard based on Current Inventory (2007 Estimated Population)	HPARD Over/(Under) Standard based on Current Inventory (2020 Estimated Population)	Total Inventory Over/(Under) Standard based on Current Inventory (2020 Estimated Population)
Pocket Parks (Acres) <1 Acre	11	2		13	0.005 acres/1,000	0.006 acres/1,000	1.25 - 2.5 /1,000		0.005 acre/1,000	Meets standard	Meets standard	Need 2 acre(s)	Need 0 acre(s)
Neighborhood Parks (1 - 15 Acres)	1514	82	350	1945	0.7 acres/1,000	0.9 acres/1,000			1.0 acre/1,000	Need 718 acre(s)	Need 286 acre(s)	Need 1,134 acre(s)	Need 702 acre(s)
Community Parks (16 - 150 Acres)	2,354	321	627	3,302	1.1 acres/1,000	1.5 acres/1,000	5 - 8 /1,000		1.5 acre/1,000	Need 993 acre(s)	Need 45 acre(s)	Need 1,618 acre(s)	Need 669 acre(s)
Corridor Parks (Greenway/Linear/Linkages)	886	272		1,158	0.4 acres/1,000	0.5 acres/1,000			1.0 acre/1,000	Need 1,345 acre(s)	Need 1,074 acre(s)	Need 1,761 acre(s)	Need 1,490 acre(s)
Regional Parks (150+ Acres)	18,101	12,722		36,846	8.1 acres/1,000	16.5 acres/1,000	15 - 20 /1,000		8.0 acre/1,000	Meets standard	Meets standard	Need 3,079 acre(s)	Meets standard
Reserve/Natural Areas (Acres)	5,197	296	32	7,699	2.3 acres/1,000	3.5 acres/1,000			0.2 acre/1,000	Meets standard	Meets standard	Meets standard	Meets standard
Special Use Areas (Acres) (1)	13,516	558	81	14,155	6.1 acres/1,000	6.3 acres/1,000			6.1 acre/1,000	Meets standard	Meets standard	Need 2,521 acre(s)	Need 1,882 acre(s)
Esplanades/Circles/Triangles	2,776			2,776	1.24 acres/1,000	1.2 acres/1,000			1.2 acre/1,000	Meets standard	Meets standard	Need 518 acre(s)	Need 518 acre(s)
General Open Space (Acres) (2)	19		16	35	0.01 acres/1,000	0.0 acres/1,000			0.01 acre/1,000	Meets standard	Meets standard	Need 4 acre(s)	Meets standard
TOTAL PARK & OPEN SPACE (Acres)	44,373	14,253	1,106	67,929	19.9 acres/1,000	30.4 acres/1,000	21.25 - 30.5 /1,000		19.0 acre/1,000	Meets standard	Meets standard	Need 5,969 acre(s)	Meets standard
AMENITIES:													
Playgrounds	376			376	1 site/5,934	1 site/5,547	1 site/1,250	1 site/4,000	1 site/6,000	Meets standard	Meets standard	Need 65 site(s)	Need 65 site(s)
Picnic Shelters	130			130	1 site/17,164	1 site/17,164	1 site/5,000	n/a	1 site/10,000	Need 93 site(s)	Need 93 site(s)	Need 135 site(s)	Need 135 site(s)
Trails - Paved Surface (Miles)	60			102	0.03 miles/1,000	0.05 miles/1,000	.4 miles/1,000	n/a	0.2 miles/1,000	Need 386 mile(s)	Need 344 mile(s)	Need 470 mile(s)	Need 428 mile(s)
Outdoor Basketball Courts	107			107	1 court/20,854	1 court/20,854	1 court/2,500	n/a	1 court/12,000	Need 79 court(s)	Need 79 court(s)	Need 114 court(s)	Need 114 court(s)
Tennis	230			230	1 court/9,701	1 court/9,701	1 court/2,000	1 court/5,000	1 court/10,000	Meets standard	Meets standard	Need 35 court(s)	Need 35 court(s)
Volleyball	15			15	1 court/148,756	1 court/148,756	1 court/5,000	n/a	1 court/50,000	Need 30 court(s)	Need 30 court(s)	Need 38 court(s)	Need 38 court(s)
Dog Parks	3			3	1 site/743,778	1 site/743,778	1 field/5,000	N/a	1 site/100,000	Need 19 site(s)	Need 19 site(s)	Need 24 site(s)	Need 24 site(s)
Skate Parks (inline, Skateboard, BMX)	6			6	1 site/371,889	1 site/371,889	1 site/50,000	n/a	1 site/100,000	Need 16.0 site(s)	Need 16.0 site(s)	Need 20.0 site(s)	Need 20.0 site(s)
Community/Recreation Center (Square Feet)	352,454			352,454	0.16 sf/person	0.16 sf/person	1/20,000 persons	1/30,000 persons	1.0 sf/person	Need 1,878,881 s.f.	Need 1,878,881 s.f.	Need 2,295,046 s.f.	Need 2,295,046 s.f.
Swimming Pools	59			59	1 site/37,819	1 site/37,819	1/20,000 persons	1/25,000 persons	1 site/50,000	Meets standard	Meets standard	Meets standard	Meets standard
Outdoor Sprayground	12	1		13	1 site/185,945	1 site/171,641	n/a	n/a	1 site/100,000	Need 10 site(s)	Need 9 site(s)	Need 15 site(s)	Need 14 site(s)

Notes:

\*Includes proposed acerage to be acquired in 2007

(1) Includes Cultural/Historic Areas, Single Purpose Facilities, Golf Course, Stand-alone Community Centers and Sports Complexes, Squares/Plazas, Medians/Circles/Triangles and Stand-alone Service Centers. Other Service Providers include HPARD Esplanades

(2) Includes Open Space/Undeveloped Property and FEMA Lots

(3) Source: 2001 Houston Parks and Recreation Master Plan

## SERVICE AREA ANALYSIS AND EQUITY MAPPING

Service area maps and standards help staff and key leadership to assess where services are offered, how equitable the service delivery is across the City of Houston and how effective the service is as it compares to the demographics of where the service is provided. In addition, reviewing facility standards against the population allows HPARD to assess gaps in service, determine where facilities are needed, or where an area is over saturated. This allows HPARD to develop appropriate capital improvement needs to make decisions on what level of contributions they will make versus what other service providers are contributing.

Twenty-three (23) maps (**Figures IV-2 – IV-24**) were developed for the following:

### Parks and Outdoor Space

- Neighborhood Parks
- Community Parks
- Corridor Parks (Greenways/Linear/Linkage)
- Regional Parks
- Reserve/Natural Areas

### Recreation Amenities

- Playgrounds
- Picnic Shelters
- Paved Trails
- Outdoor Basketball Courts
- Tennis Courts
- Volleyball Courts
- Dog Parks
- Skate Parks

### Indoor Facilities and Aquatics

- Community Centers
- Indoor Swimming Pools
- Outdoor Swimming Pools
- Outdoor Spray Grounds

### Active Sport Fields

- Softball Fields – 300 Foot Radius
- Softball Fields – 220 Foot Radius
- Soccer and Multipurpose Fields (Large)
- Soccer and Multipurpose Fields (Small)
- Baseball Fields – 90 Foot Base Paths
- Baseball Fields – 60 Foot Base Paths

The source for the population used data was Environmental Systems Research Institute, Inc. (ESRI) and comparison data obtained from the U.S. Census Bureau. The most current demographic information available was utilized for this report; all data was acquired in April 2007 and reflects actual numbers as reported in the 2000 census and demographic projections for 2006 and 2011 as estimated by ESRI, with straight line linear regression used for projected 2007 and 2020 demographics.

## EQUITY MAPPING

The service area population of each asset represents the market size or pool of potential users that a specific asset can potentially support. These factors, when mapped against population density, show the geographic area or market size for each asset.

The Equity Map service areas demonstrate the equity distribution of park system amenities for current population density by census tract. Service area maps demonstrate gaps or overlaps to help identify where additional assets may be needed or where an area is over saturated with a particular asset type. This supports decision-making for appropriate capital improvement needs to deliver the highest level of service. However, these service areas should only serve as a guide in decision making. The factors utilized and corresponding maps must be coupled with conventional wisdom and judgment related to the particular situation and needs of the City.

A service area is defined as the area which encompasses a potential park or asset whose radius encompasses the corresponding population associated with the usage of an individual asset. The standard approach in GIS equity/service area mapping is to take the centroid of the site (center of the park polygon) and define how far out from the centroid one must illustrate with a circle or ring to equal the service population based on the established service area standards. The service area and facility standards are shown in **Figure IV-1**.

Service area standards are based on the population that an asset can serve, not on accessibility. Population served is illustrated by drawing a circle from the centroid of the site and continuing on an outward path; once the necessary population numbers have been encompassed, the circle's diameter will be complete. Accessibility is based on available transportation routes, local traffic patterns, willingness of local users to travel a certain distance to access amenities (this varies from community to community; Census average commute times can be used for a basis), etc.

Population density also plays a role in the size of the service area. The more densely populated an area is surrounding a site, the smaller the service ring will be. This is due to the service population theoretically being encircled more quickly – an example would be multi-family housing or large scale zero-lot-line neighborhood located next to a park as opposed to a traditional lot-sized single family neighborhood – the multi-family and compacted neighborhood developments are assumed to be more dense.

The service area analysis for each map follows with maps following in respective order.

## PARKS AND OUTDOOR SPACE

**Neighborhood Parks Service Area (Figure IV-2):** This map demonstrates the locations of the neighborhood parks in the City of Houston. Current service level for neighborhood parks is 0.7 acres/1,000 for City facilities and 0.9 acres/1000 for all facilities. This map shows the recommended service level of 1.0 acres/1,000. Long term opportunities exist for development of new neighborhood parks in the outer perimeter of the City, particularly in the west and northeast areas of the City. New acquisitions should be associated with future housing development plans.

**Community Parks Service Area (Figure IV-3):** This map demonstrates the locations of the community parks in the City of Houston. Current service level for community parks is 1.1 acres/1,000 for City parks and 1.5 acres/1,000 for all parks. This map shows the recommended service level of 1.5 acres/1,000. The locations of the community parks are primarily located in the middle to eastern areas of the City. It is recommended that the City acquire additional community park area in the far north and western areas of the City. Consideration for any new sites could be in conjunction with Greenways / Linear Parks / Linkages.

**Corridor Parks (Greenways/Linear Parks/Linkages) Service Area (Figure IV-4):** This map demonstrates the locations of the Corridor Parks including Greenways/Linear Parks/Linkages in the City of Houston. Current service level for corridor parks is 0.4 acres/1,000 for City facilities and 0.5 acres/1,000 for all facilities. This map shows the recommended service level of 1.0 acres/1,000. The existing Corridor Parks are in the center core of the City. As the City develops other park and open space areas away from the center core, consideration should be given to the linkages between facilities to accomplish connectivity throughout the City and provide a regional trail system.

**Regional Parks Service Area (Figure IV-5):** This map demonstrates the locations of the Regional Parks in the City of Houston. Current service level for regional parks is 8.1 acres/1,000 for City facilities and 16.5 acres/1,000 for all facilities. This map shows the recommended service level of 8.0 acres/1,000. The existing City regional parks cover most of the City except for the southeast section of the City. Considering all regional parks in the City, the regional parks are adequate to serve the population.

**Reserve/Natural Areas Service Area (Figure IV-6):** This map demonstrates the locations of the reserve and natural areas in the City of Houston. Current service level for reserves and natural areas is 2.3 acres/1,000 for City facilities and 3.5 acres/1,000 for all facilities. This map shows the recommended service level of 0.2 acres/1,000. The total area including all natural areas is sufficient in total areas to serve the 2020 population.

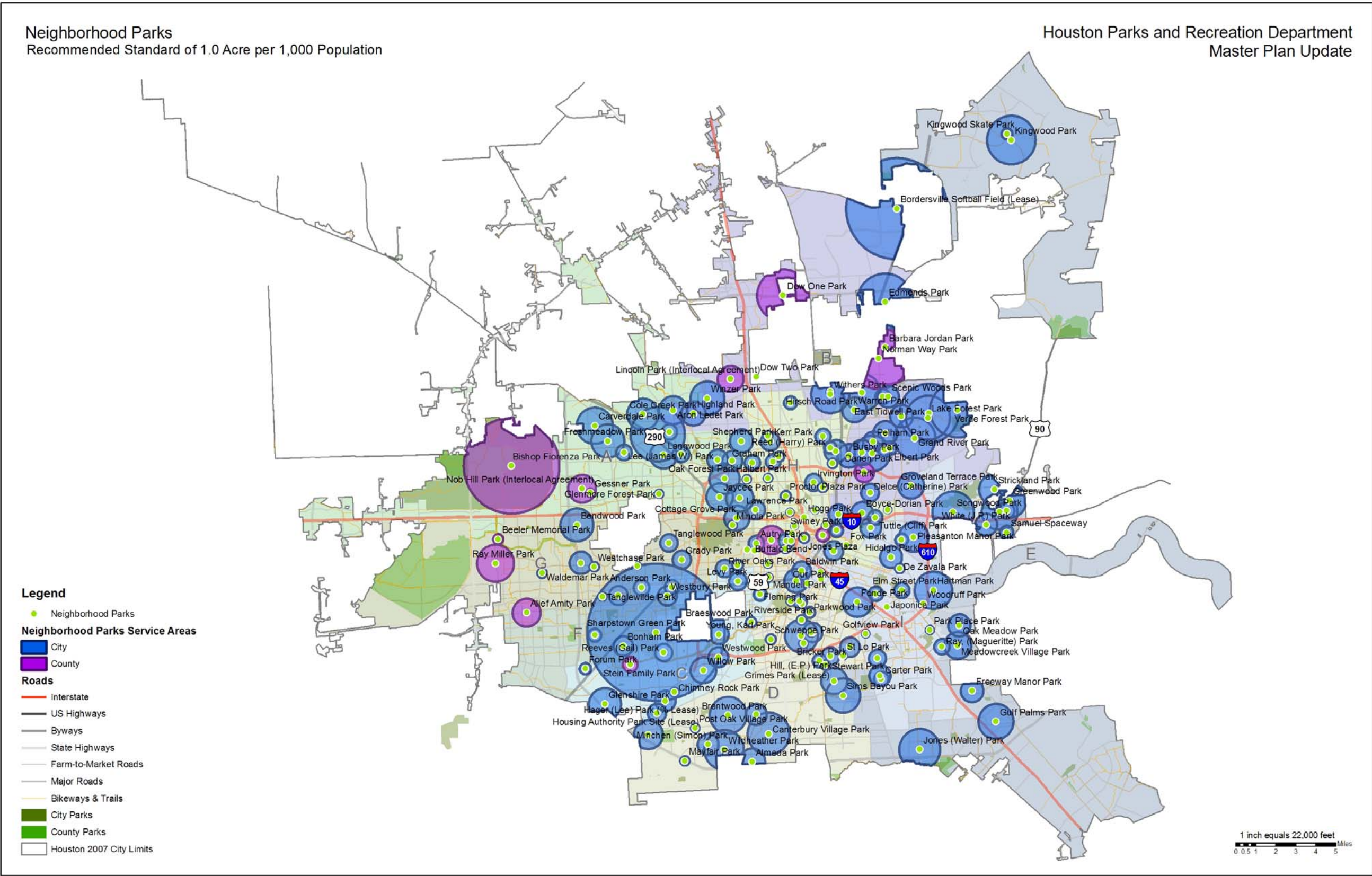


FIGURE IV-2 - NEIGHBORHOOD PARKS SERVICE AREA



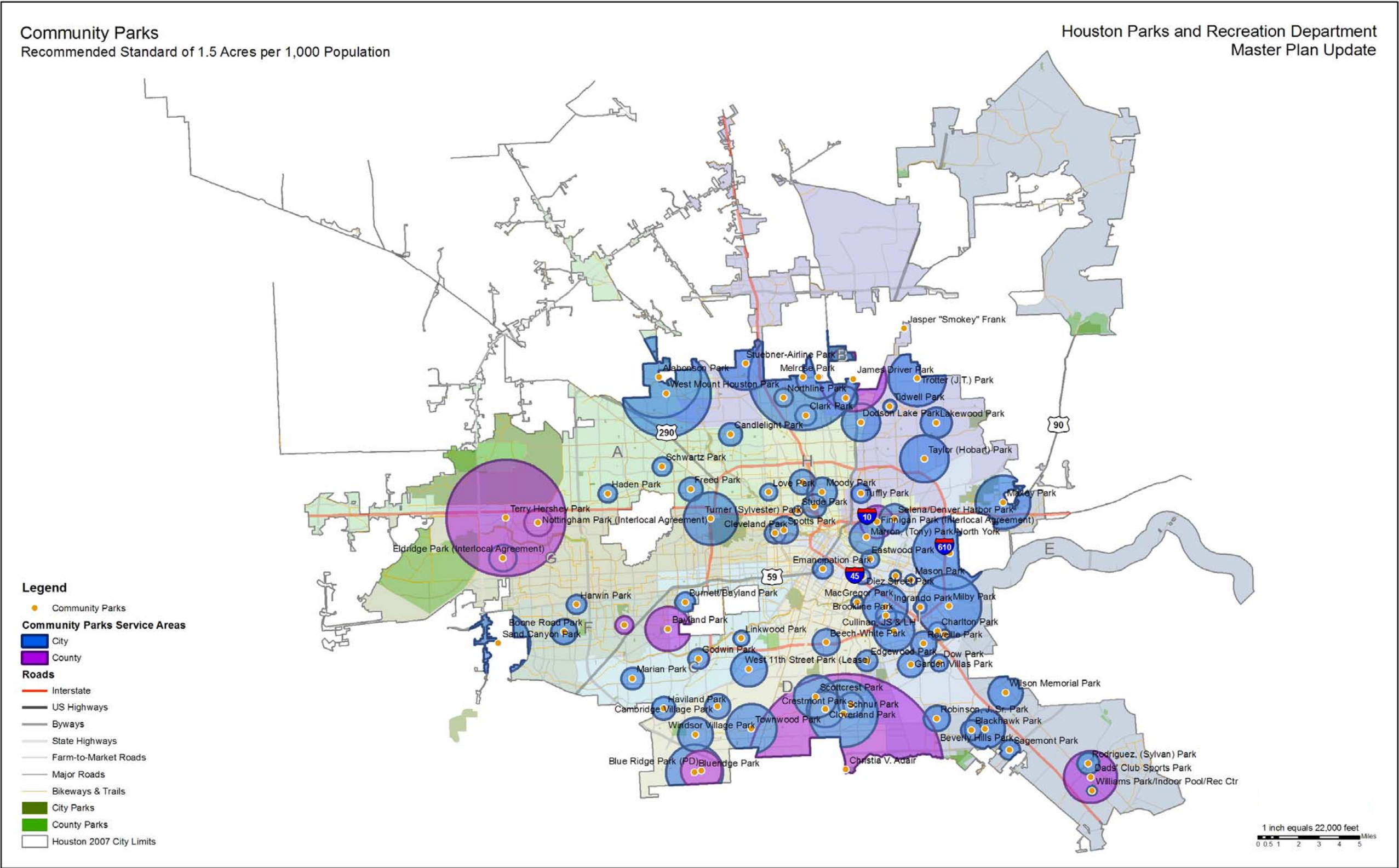


FIGURE IV-3 – COMMUNITY PARKS SERVICE AREA

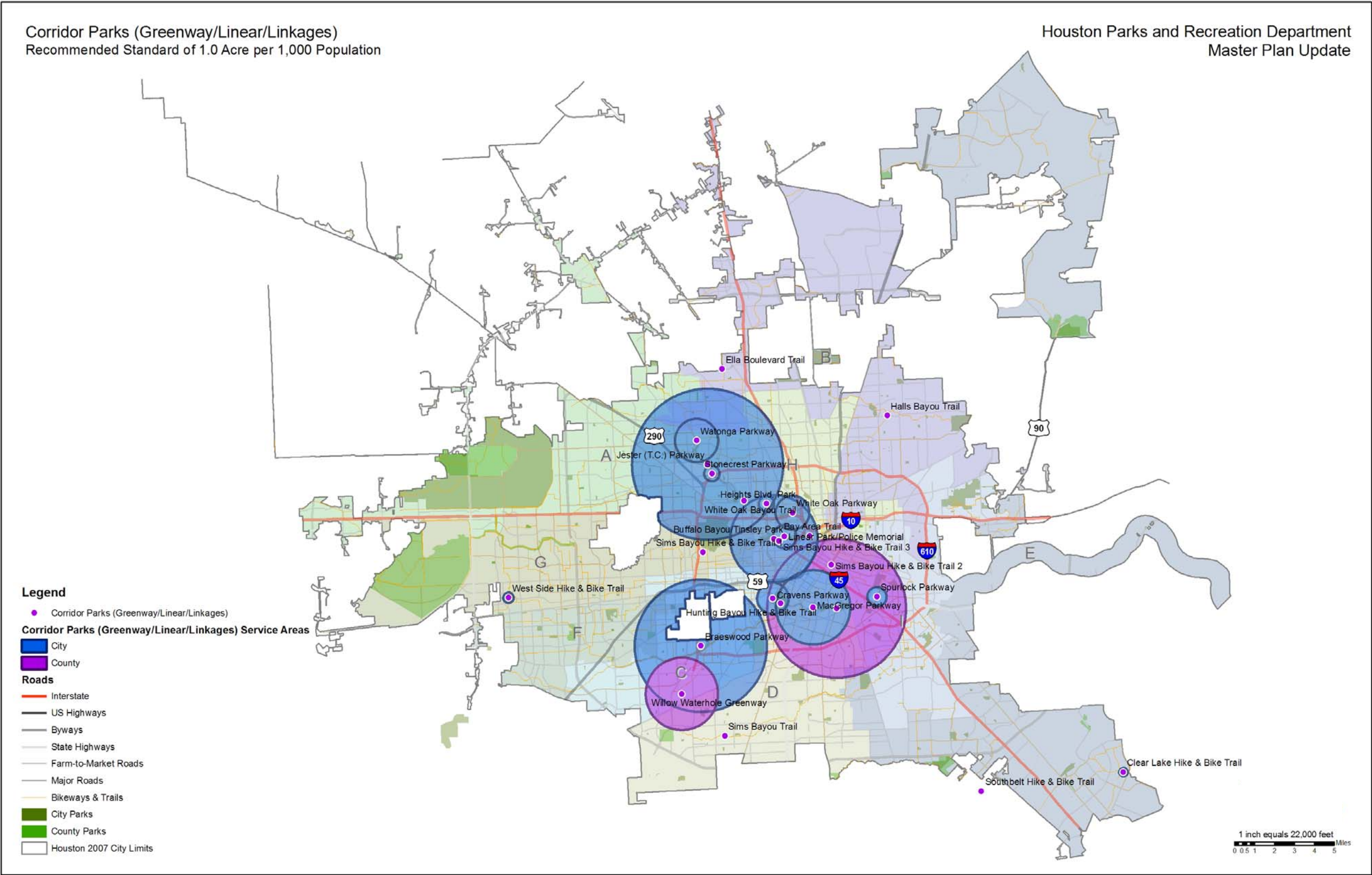


FIGURE IV-4 – CORRIDOR PARKS SERVICE AREA



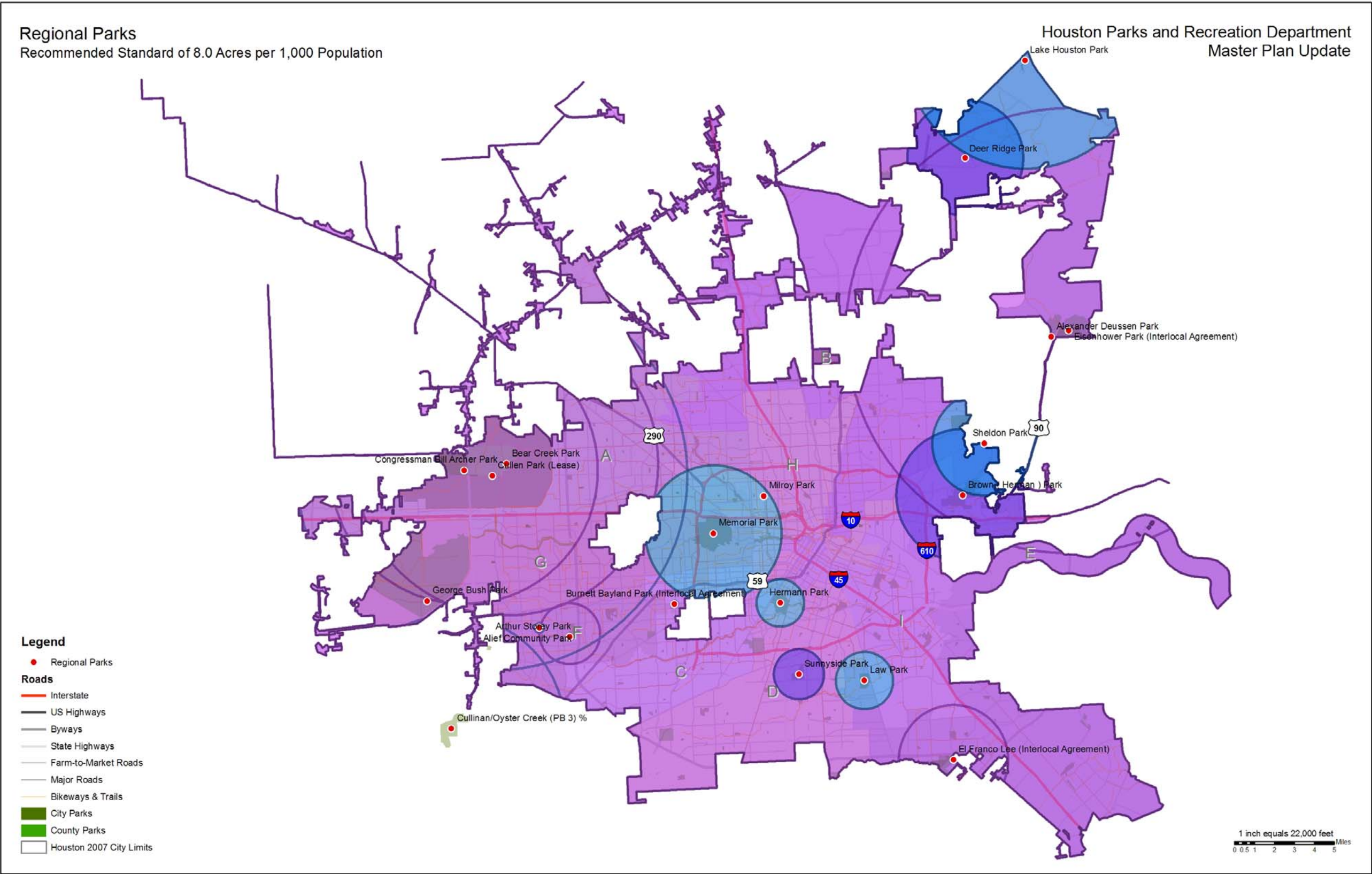


FIGURE IV-5 – REGIONAL PARKS SERVICE AREA

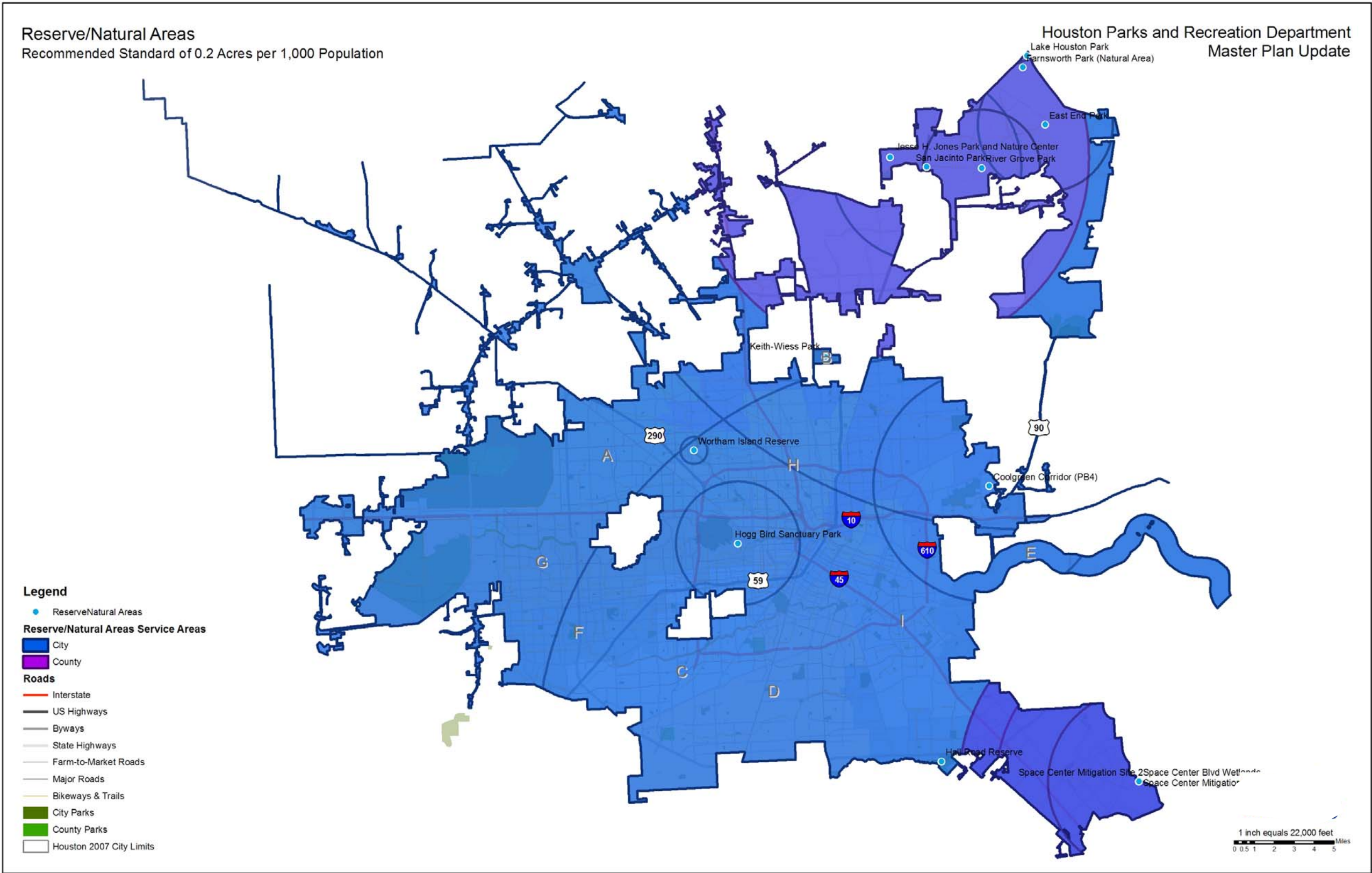


FIGURE IV-6 – RESERVE/NATURAL AREAS PARKS SERVICE AREA

## RECREATION AMENITIES

**Playground Service Area (Figure IV-7):** This map demonstrates the locations of the playgrounds in the City of Houston. Current service level for the playgrounds is 1 site / 7,721 people for the service area. The map shows the recommended service level of 1 site / 6,000 people. The service area needs 83 new sites based on all facilities to achieve the recommended standard with the 2007 population. An additional 152 playground areas are needed to service the 2020 population. The existing deficiencies are primarily located in the western and far northeastern areas of the City, however Kingwood in far northeast Houston provides their residents with private parks which include playgrounds.

**Picnic Shelters (Figure IV-8):** This map demonstrates the locations of the 132 picnic shelters in the City of Houston. Current service level for the picnic shelters 1 site / 16,904 people for the service area. The map shows the recommended service level of 1 site / 10,000 people. The service area needs 91 new sites based on all facilities to achieve the recommended standard with the 2007 population. An additional 133 shelters are needed to service the 2020 population. The existing facilities are concentrated in the central City and the coverage is generally disbursed throughout the City. The map indicates that the City an increase the number of picnic shelters available.

**Trails – Paved Surface Service Area (Figure IV-9):** This map demonstrates the location of dedicated trails in the City of Houston. Current service level for paved trails is .03 miles / 1,000 people for City trails and .05 miles / 1,000 people for all trails. The map shows the recommended service level of 0.2 miles / 1,000 people for paved trails. Opportunities exist to develop loop trails within existing parks as well as dedicated trails along linear parks and linkages including continued development. To meet the recommended standards, new trails totaling 344 miles for the service area are needed to serve the 2007 populations and 428 miles to serve the 2020 population. In addition, equestrian trail needs should also be met within the trail system.

**Outdoor Basketball Courts Service Area (Figure IV-10):** This map demonstrates the location of the basketball courts in the City of Houston including those provided by others. Current service level for the basketball courts is 1 court / 14,975 people for service area. This map shows the recommended service level of 1 court / 12,000 people. An analysis of the map shows an overlap in services in the all areas except the near central western area of the City. To achieve the standards, the City needs 32 courts to serve the 2007 population and 72 courts to service the 2020 population.

**Tennis Courts Service Area (Figure IV-11):** This map demonstrates the locations of the 198 tennis courts in the City. Current service level for tennis courts is 1 court / 11,269 people for the service area. This map shows the recommended service level of 1 court / 10,000 people. The City needs 25 courts to meet the recommended service levels for the 2007 population, and will need 67 courts to meet the 2020 needs. The courts are primarily located in the center and eastern parts of the City. Additional courts are needed in the far north and western sections of the City.

**Volleyball Courts Service Area (Figure IV-12):** This map demonstrates the locations of the 16 volleyball courts in the City of Houston. Current service level for volleyball courts is 1 court / 139,458 people. This map shows the recommended service level of 1 court / 50,000 people. To serve the 2007 population, 29 courts are needs and 37 courts are needed to serve the 2020 population. The western and southeastern areas of the City are adequately served. Additional courts are needed in the other areas of the City.



**Dog Parks Service Area (Figure IV-13):** This map demonstrates the locations of the 6 dog parks in the City of Houston. Current service level for dog parks is 1 site / 371,889 people. This map shows the recommended service level of 1 court / 100,000 people. Seventeen dog parks are needed to serve the 2007 population to meet the recommended standard and 20 parks are needed to serve the 2020 population. The three areas currently served are the center, far west, and far east areas of the City.

**Skate Parks Service Area (Figure IV-14):** This map demonstrates the location of the 6 skate parks in the City of Houston. The map shows the recommended service levels of 1 site / 100,000. Currently, one site serves 371,889 people. Seventeen additional skate parks are needed to meet the 2007 population at the recommended standard and 20 sites are needed to meet the 2020 population. The far northeast area of the City is adequately served. The other existing skate parks are located in the central and east central areas of the City.

Service area maps for each of the preceding facilities are presented on the following page.

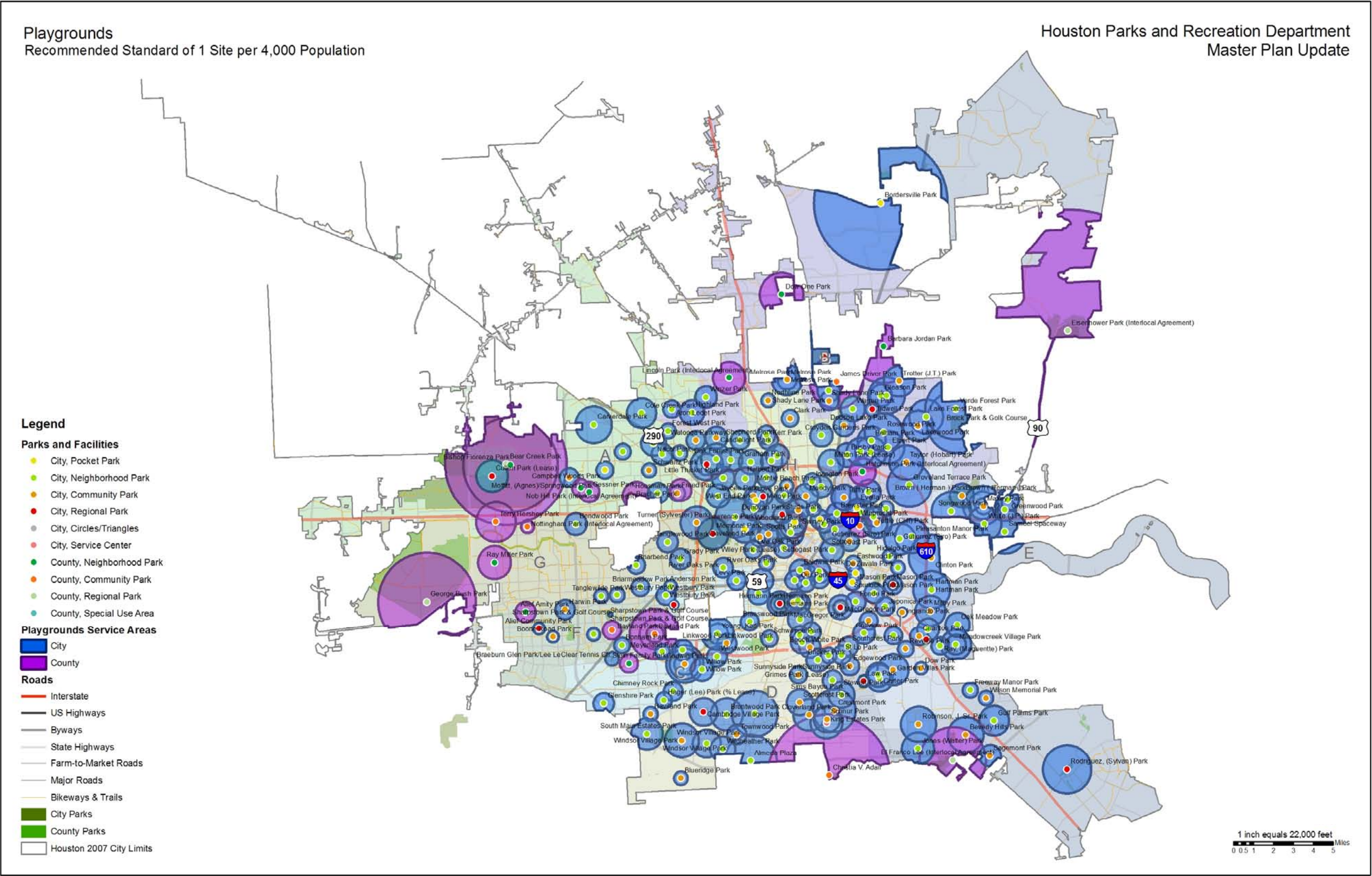


FIGURE IV-7 - PLAYGROUND SERVICE AREA



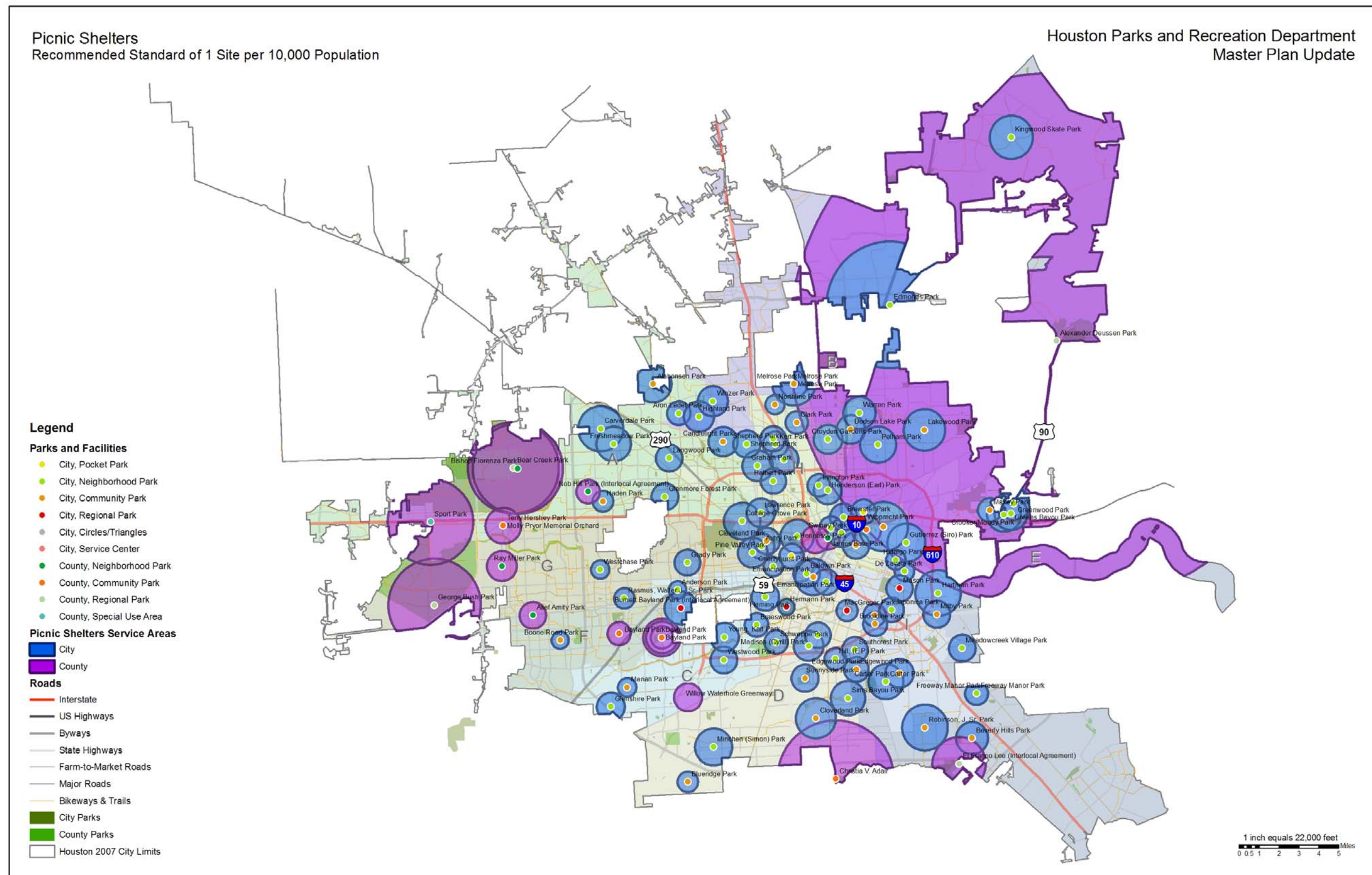


FIGURE IV-8 – PICNIC SHELTER SERVICE AREA



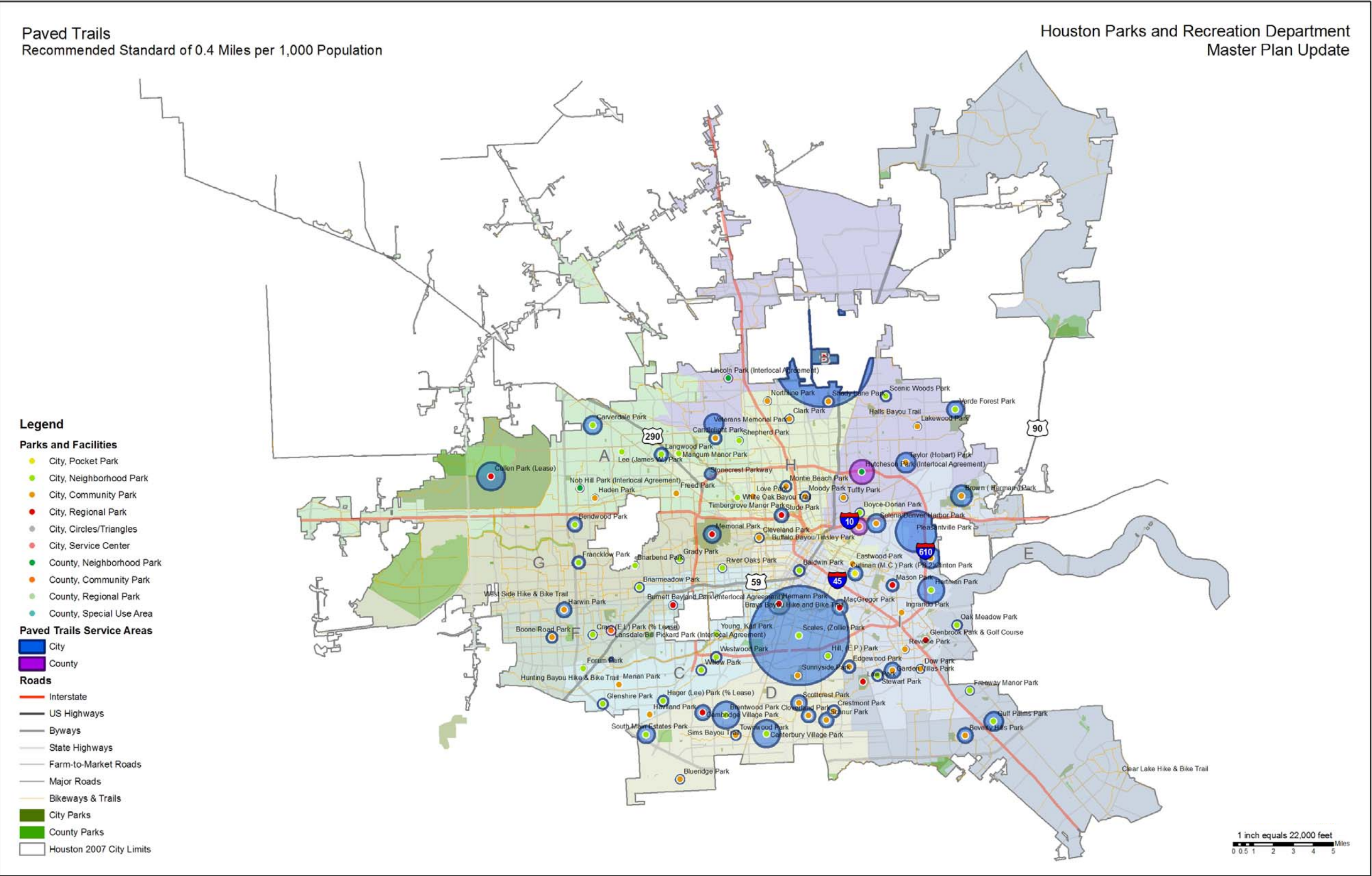


FIGURE IV-9 – PAVED TRAILS SERVICE AREA



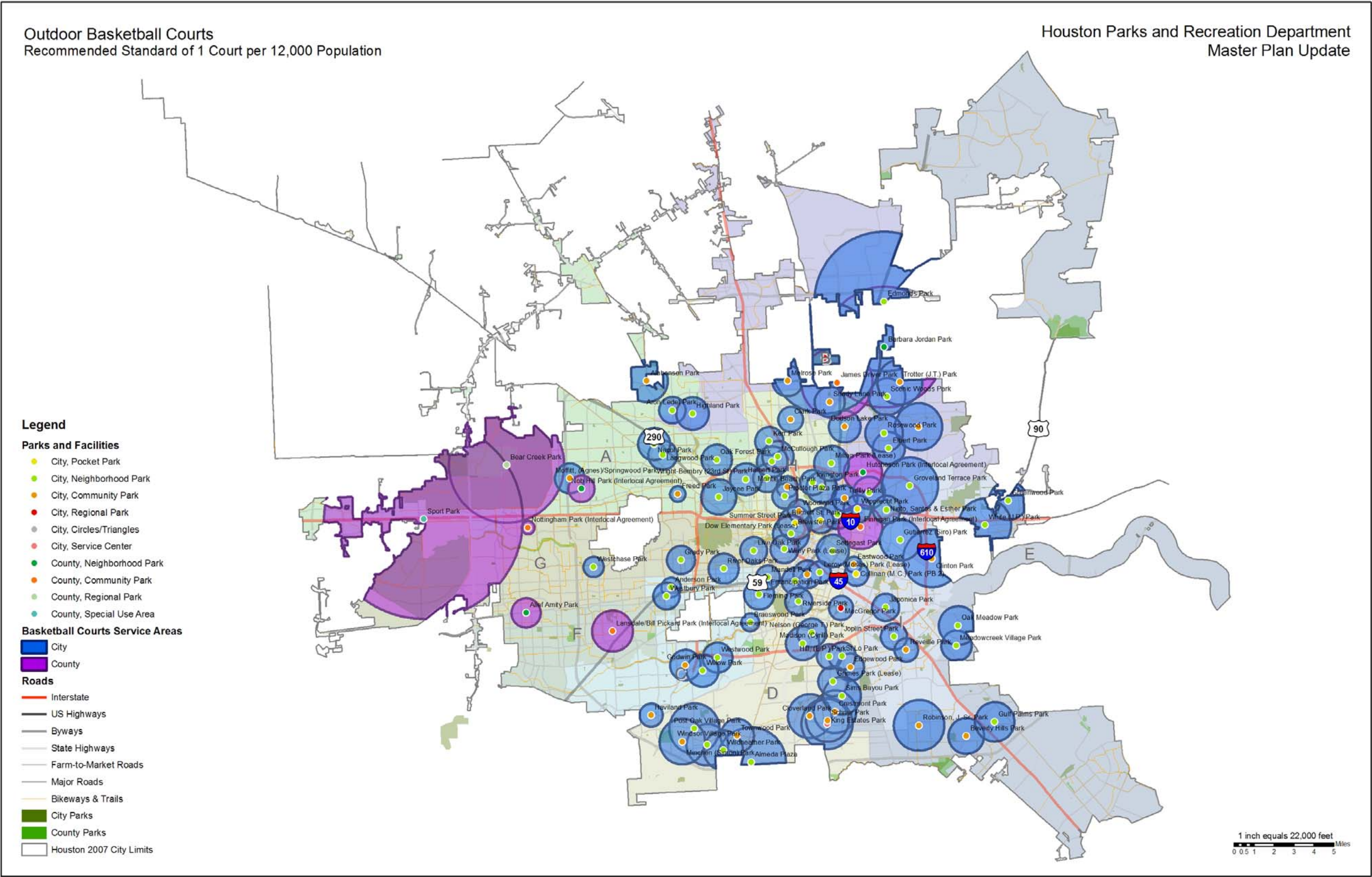


FIGURE IV-10 – OUTDOOR BASKETBALL COURTS SERVICE AREA



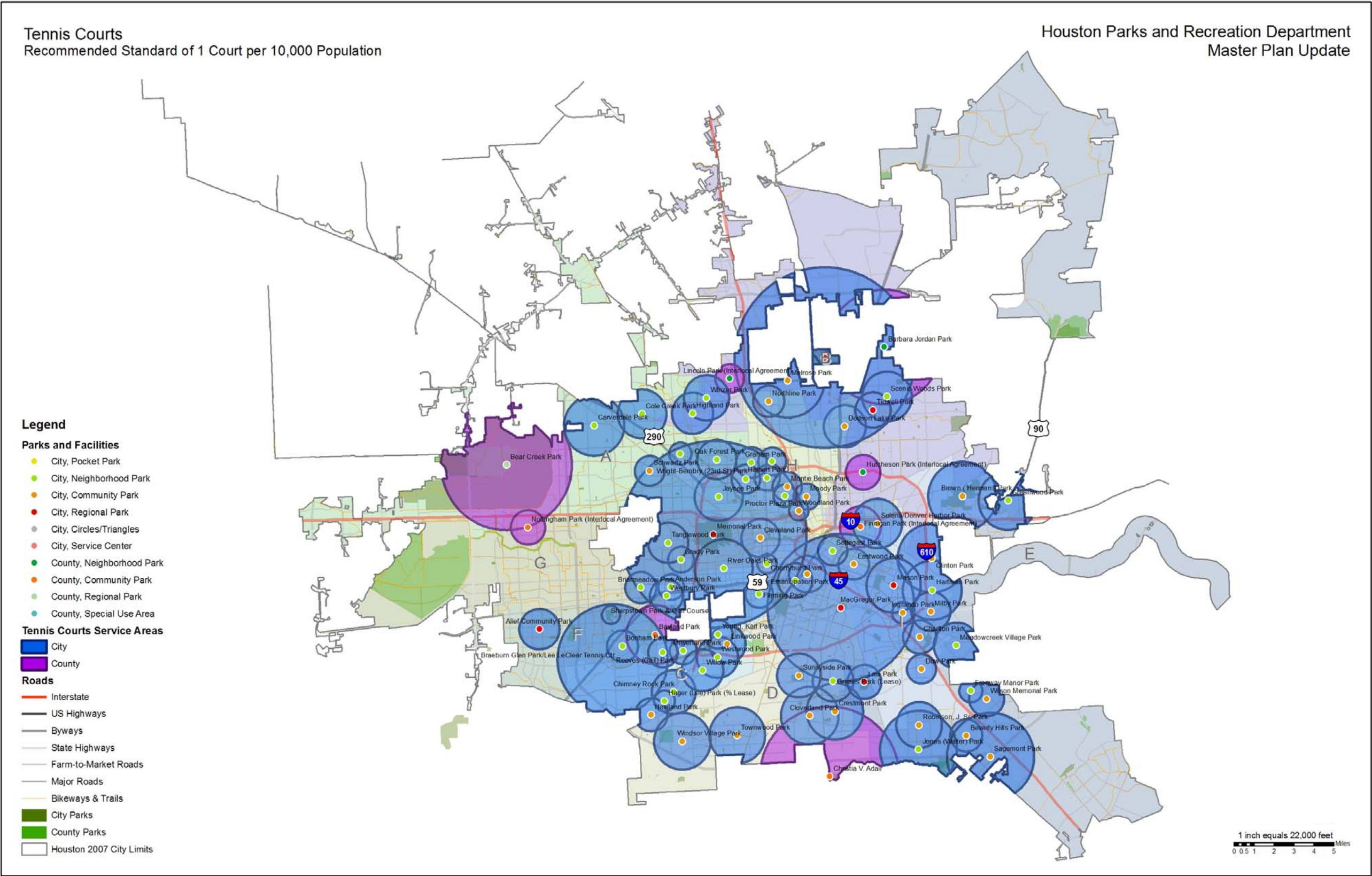


FIGURE IV-11 – TENNIS COURTS SERVICE AREA



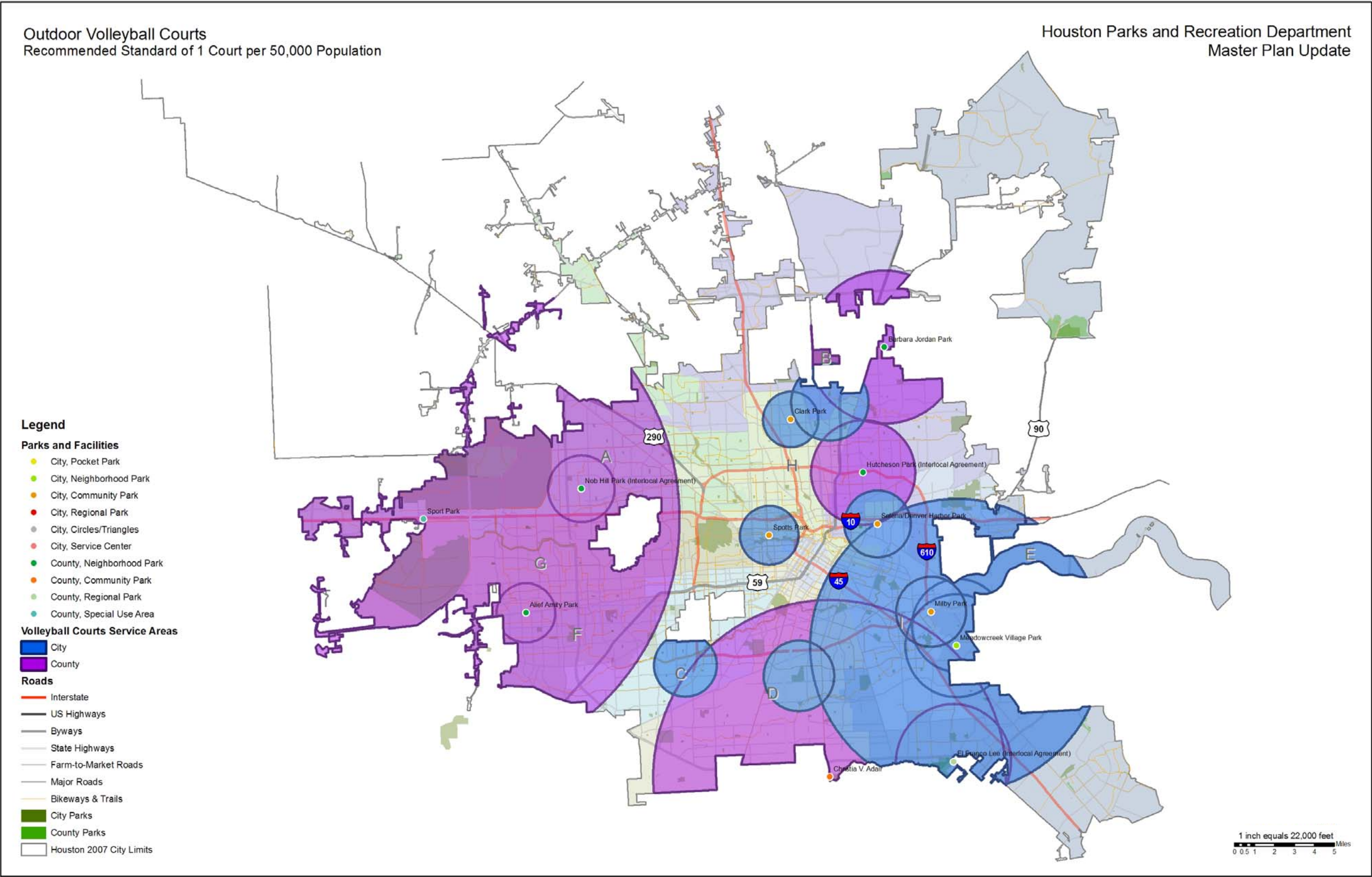


FIGURE IV-12 – VOLLEYBALL COURTS SERVICE AREA

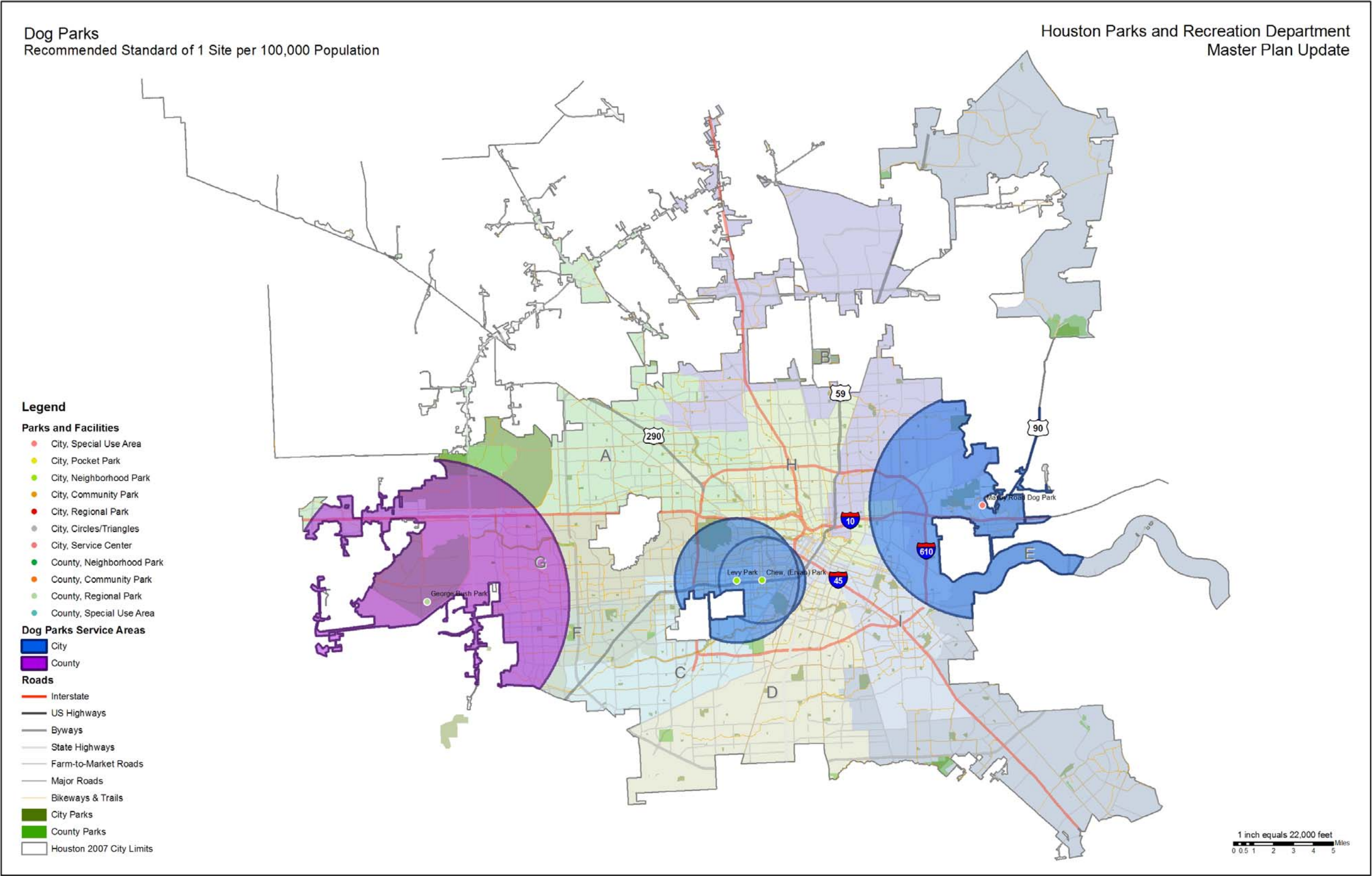


FIGURE IV-13 – DOG PARKS SERVICE AREA



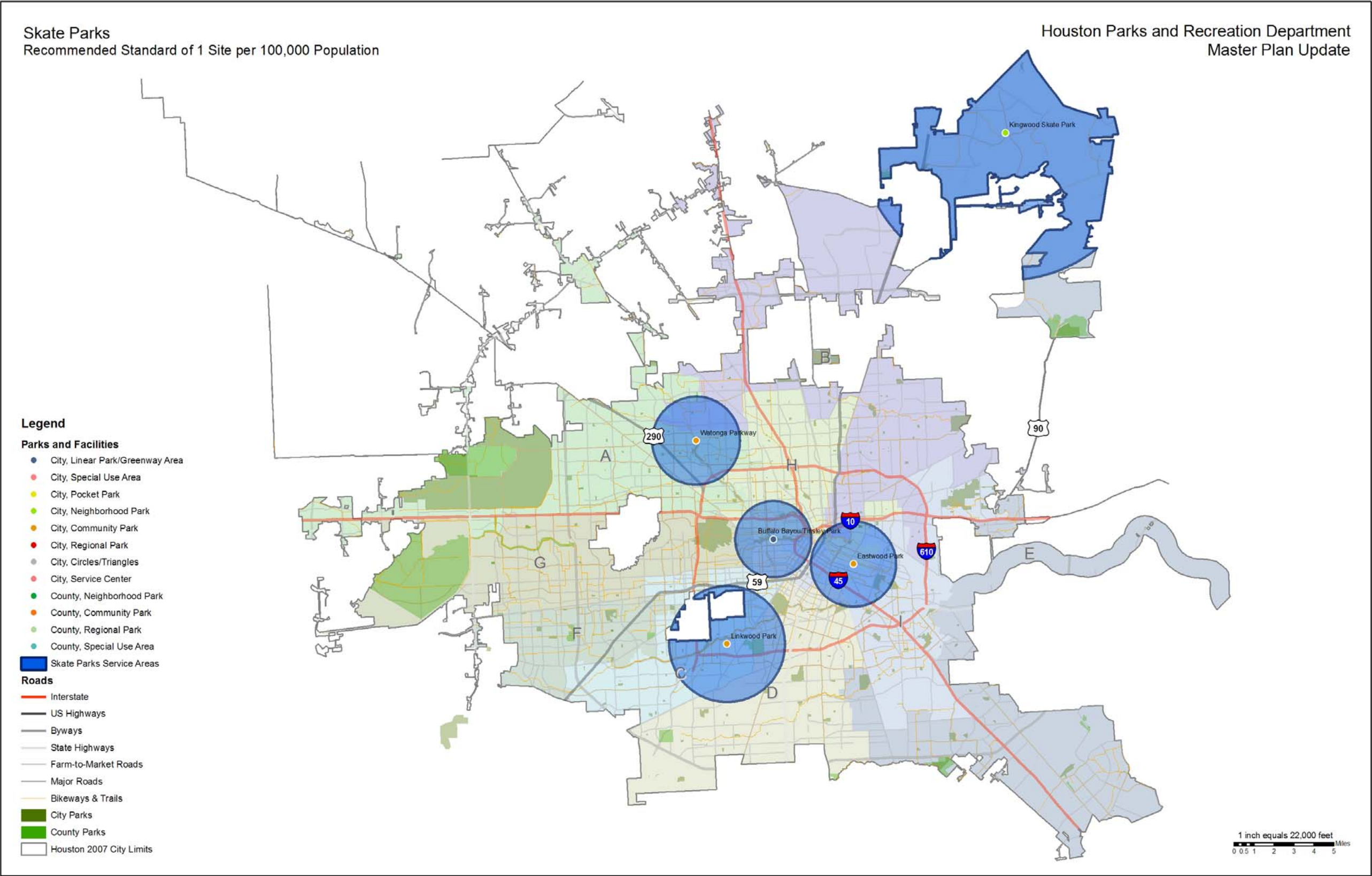


FIGURE IV-14 – SKATE PARKS SERVICE AREA

## INDOOR AND AQUATICS FACILITIES

**Community Center Service Area (Figure IV-15):** This map demonstrates the locations of the community centers in the City of Houston. Current service level for community centers is 0.2 square feet per person for the service area. The map shows the recommended service level of 1.0 square foot per person. The service area needs 1,878,000 square feet to achieve the recommended standard based on the 2007 population. To service the 2020 population, 2,295,000 square feet are needed. The existing facilities are disbursed throughout the central parts of the City. The service map indicates that the existing facilities are sized to serve local neighborhoods.

**Swimming Pools (Figures IV-16):** This map demonstrates the locations of the 39 swimming pools in the City of Houston. Current service level for the swimming pools is 1 site / 57,214 people for the service area. The recommended service level is 1 site / 50,000 people. To meet this recommended service level 6 additional sites are needed in 2010 and 14 additional sites are needed by 2020.

The existing facilities are concentrated in the central City and the coverage is generally disbursed throughout the City. The City currently has one indoor pool that is centrally located but serves the disabled population within the City. The outdoor pools are located in the center and east areas of the City. The far west areas are under served.

**Outdoor Spray Ground Service Area (Figure IV-17):** This map demonstrates the location of 7 spray grounds in the City of Houston. Current service level for paved trails is 1 site per 318,762 people. The recommended service level is 1 site per 100,000 people. To meet the recommended standards, 15 new sites are needed to serve the 2007 populations and 20 sites to serve the 2020 population. The 7 sites are located around the central core of the City.

Service area maps for each of the preceding facilities are presented on the following page.

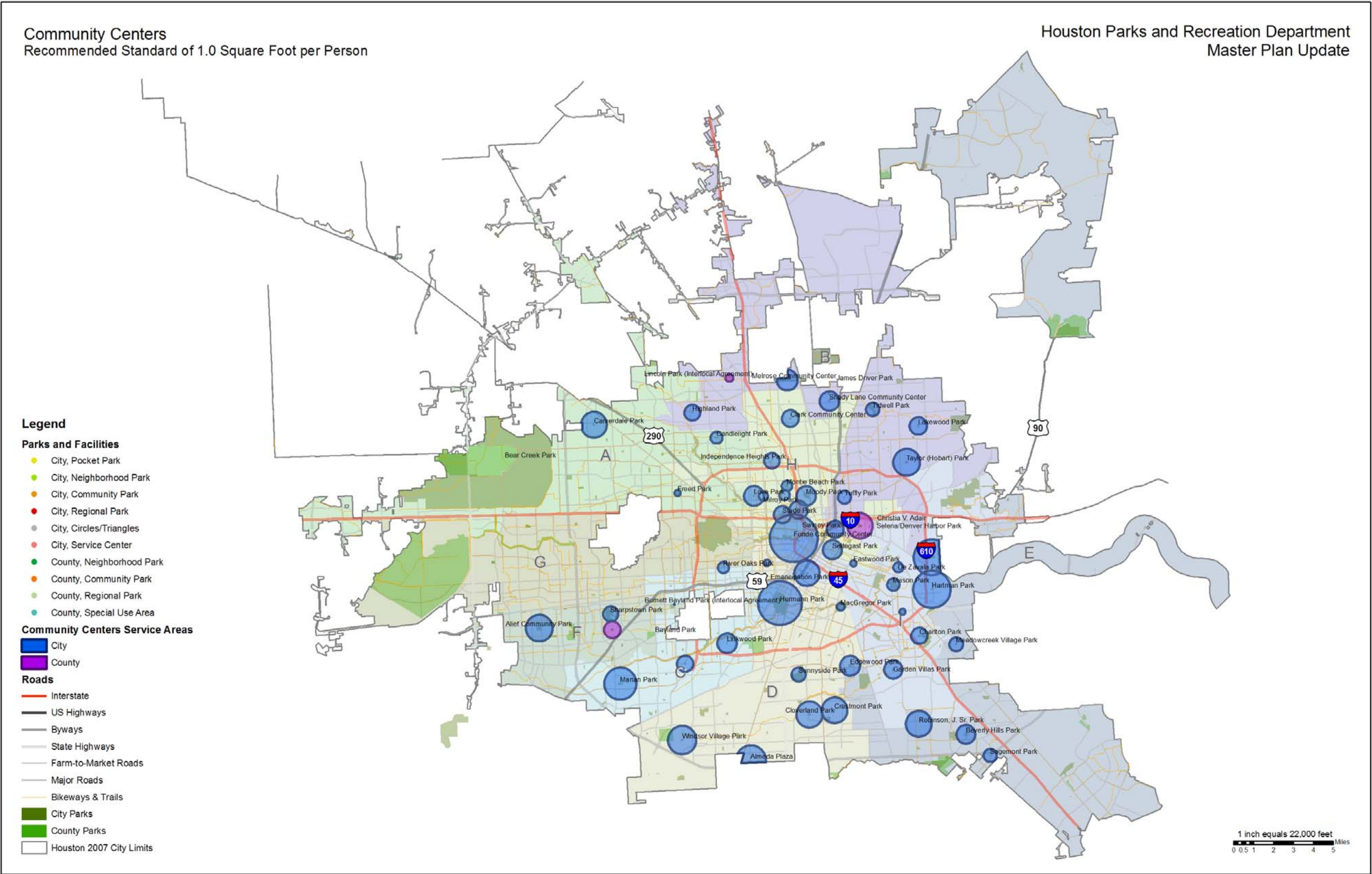


FIGURE IV-15 – COMMUNITY CENTERS SERVICE AREA



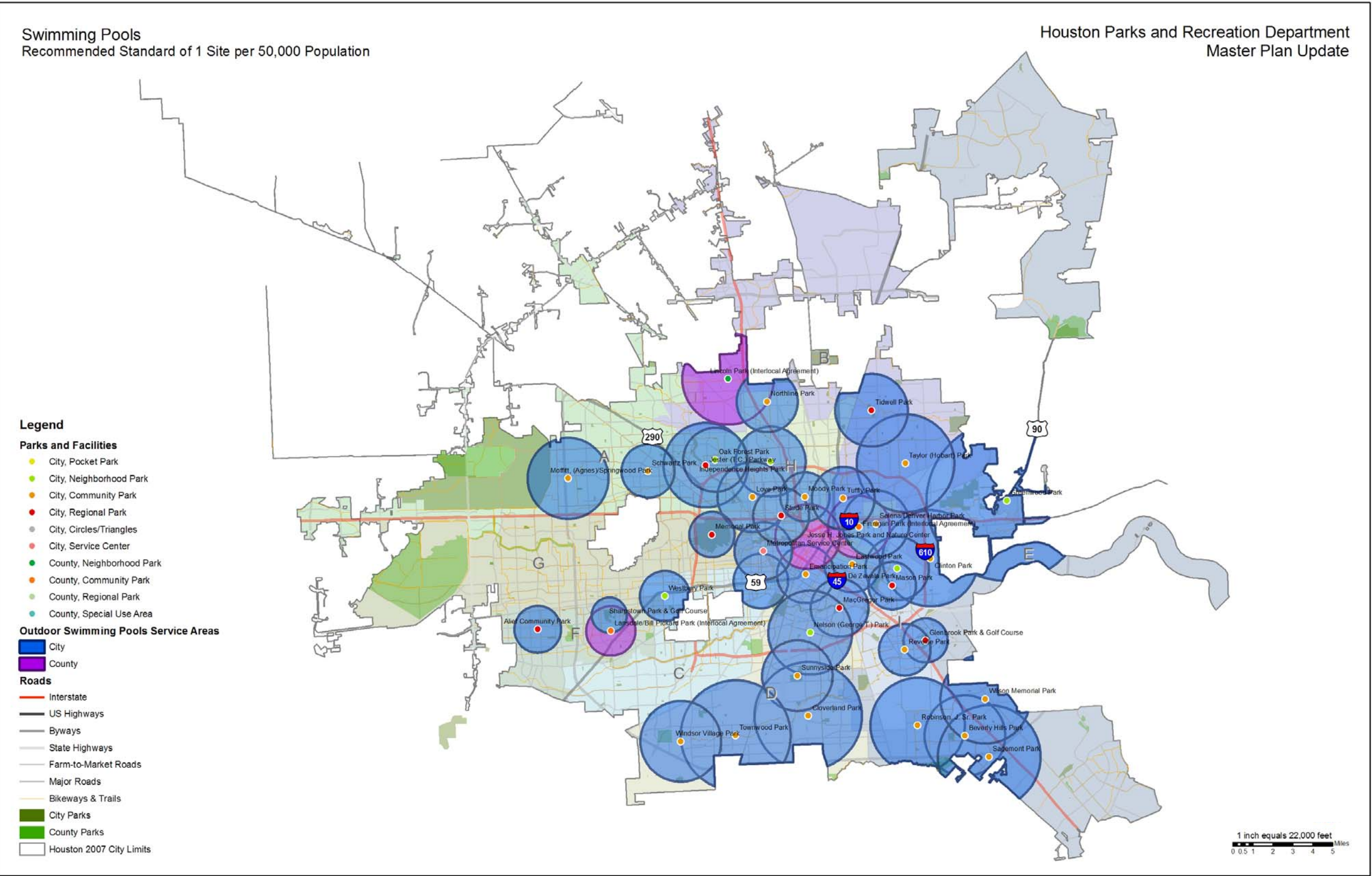


FIGURE IV-16 –SWIMMING SERVICE AREA

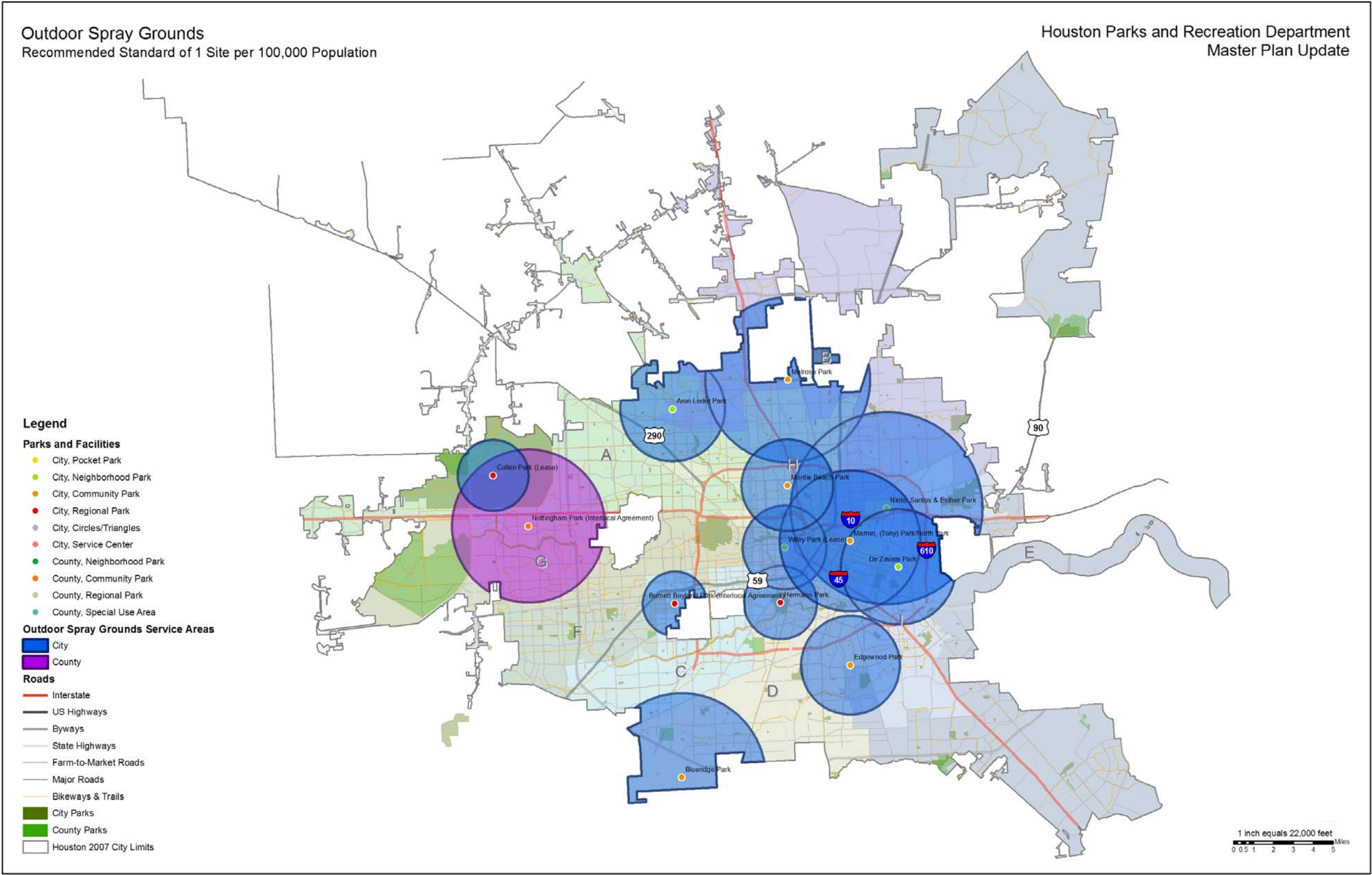


FIGURE IV-17 – OUTDOOR SPRAY GROUND SERVICE AREA



## ACTIVE SPORT FIELDS FACILITIES

The Active Sport Fields standards are applied to population factors, which are used in determining the capacity that a particular asset can support and the population served (demand) by existing facilities. Sport field standards are not to be confused with equity mapping, distribution or convenience of scheduling, but an actual derivative of existing capacity and how it relates to demand. To address equity, the sport field standards are applied to Service Area Analysis utilizing GIS. This mapping illustrates where overlaps and gaps are graphically located based on population densities within the service area of a specific facility or amenity.

These facility standards should be viewed as a guide. They address the goals to be achieved. The standards are to be coupled with conventional wisdom and judgment related to the particular situation and needs of the community. By applying these facility standards to the population of the City of Houston, gaps and surpluses in facility types are revealed. **Figure IV-18** represents the total assets inventoried in the City and surrounding counties, the average number of players supported by field type, average total players supported by all asset categories, estimated demand and asset needs to meet the estimated demand. User demand and asset need is derived from the capacity; capacity is based on the recommended usage patterns as determined through normalized usage patterns and optimal turf management practices. Based on the current inventory of the City of Houston and Harris, Montgomery and Fort Bend counties and the estimated user demand, a need for both small and large softball fields and small and large multi-purpose fields exists.

Asset (Field) Types	Total Public Asset Inventory	City of Houston Asset Inventory	Harris, Fort Bend, & Montgomery County Asset Inventory	Average Players SUPPORTED Per Individual Asset Type	Average Players SUPPORTED by Total Asset Type per Season	Estimated Users/Demand Per Asset Type per Season*	Additional Assets Needed/ Engineered/ Irrigated Surface (75% of Assets)	Additional Assets Needed/ Synthetic Surface (25% of Assets)
Baseball - 60-foot base paths	176	103	73	52.6	9,268.9	3,173.2	None	None
Baseball - 90-foot base paths	44	42	2	62.6	2,756.5	1,400.1	None	None
Softball - 220-foot fence radius	20	20	-	48.5	969.2	1,581.8	7	2
Softball - 300-foot fence radius	48	45	3	50.1	2,406.9	10,479.3	41	14
Soccer and Multipurpose Fields (Small) - <240-foot	135	65	50	39.2	5,282.6	21,669.1	49	16
Soccer and Multipurpose Fields (Large) - >300-foot	57	54	3	43.9	2,499.8	20,600.4	74	26

\*Asset need is derived from capacity; capacity is based on recommended usage patterns as determined through optimal turf management practices

\*\*Non-Profit and Privately held assets are not accounted for in inventoried assets

FIGURE IV-18 – AVERAGE PLAYERS SUPPORT PER SEASON BY FIELD TYPE

**Softball Fields (300 Foot Fence Radius) Service Area (Figure IV-19):** This map demonstrates the coverage of large softball fields, normally associated with 275-foot to 300-foot fence radius, located in the City of HPARD service area. These fields are generally utilized for adult softball. Based on the capacity calculation and the derived demand, and development standard asset allocation of 75% engineered and irrigated assets and 25% synthetic surface assets, a need of additional 41 natural surface fields and 14 synthetic surface assets exists. The service area map shows that most of the City is adequately served based on the 2007 population. The underserved areas are northeast, southeast, and the far west edge of the City.

**Softball Fields (220 Foot Fence Radius) Service Area (Figure IV-20):** This map demonstrates the coverage of small softball fields, normally associated with 220-foot fence radius, within the HPARD service area. Youth softball is served by this field type. Based on the capacity calculation and the derived demand, and development standard asset allocation of 75% engineered and irrigated assets and 25% synthetic surface assets, a need of additional 7 natural surface fields and 2 synthetic surface

assets exists. The service area map shows that most of the City is underserved when analyzed against the 2007 population. The fields are located around the center core of the City.

**Soccer and Multipurpose Fields –Large, Greater than 300 feet (Figure IV-21):** This map demonstrates the coverage of the 58 large soccer and multipurpose fields in the City of Houston. Adolescent and adult soccer, football, lacrosse, and cricket are the primary uses for this field type. Based on the capacity calculation and the derived demand, and development standard asset allocation of 75% engineered and irrigated assets and 25% synthetic surface assets, a need of an additional 74 natural surface fields and 25 synthetic surface assets exists. The service area map shows that most of the City is underserved by the fields based on the 2007 population.

**Soccer and Multipurpose Fields –Small, Less than 240 feet (Figure IV-22):** This map demonstrates the coverage of the 137 small soccer and multipurpose fields in the City of Houston. This field type is mostly used for youth soccer and football, and on a limited basis for adult soccer and lacrosse. Based on the capacity calculation and the derived demand, and development standard asset allocation of 75% engineered and irrigated assets and 25% synthetic surface assets, a need of additional 49 natural surface fields and 16 synthetic surface assets exists. The service area map shows that most of the City is underserved by the fields, except for the western part of the City, based on the 2007 population.

**Baseball – 90 Foot Base Line (Figure IV-23):** This map demonstrates the coverage of the 43 baseball fields with 90-foot base line in the City of Houston. This field type is primarily used for adult baseball. Based on the capacity calculation and the derived demand, a need for additional fields does not currently exist. The service area map shows that the fields are located in the eastern areas of the City. The existing fields adequately the center and eastern parts of the City. The west and far northeast parts of the City are underserved.

**Baseball – 60 Foot Base Line (Figure IV-24):** This map demonstrates the coverage of the 179 baseball fields with 60 foot base line in the City of Houston. This field type is primarily used for youth baseball. Based on the capacity calculation and the derived demand, a need for additional fields does not currently exist. The service area map shows that the fields are distributed throughout the City and adequately serve the population.

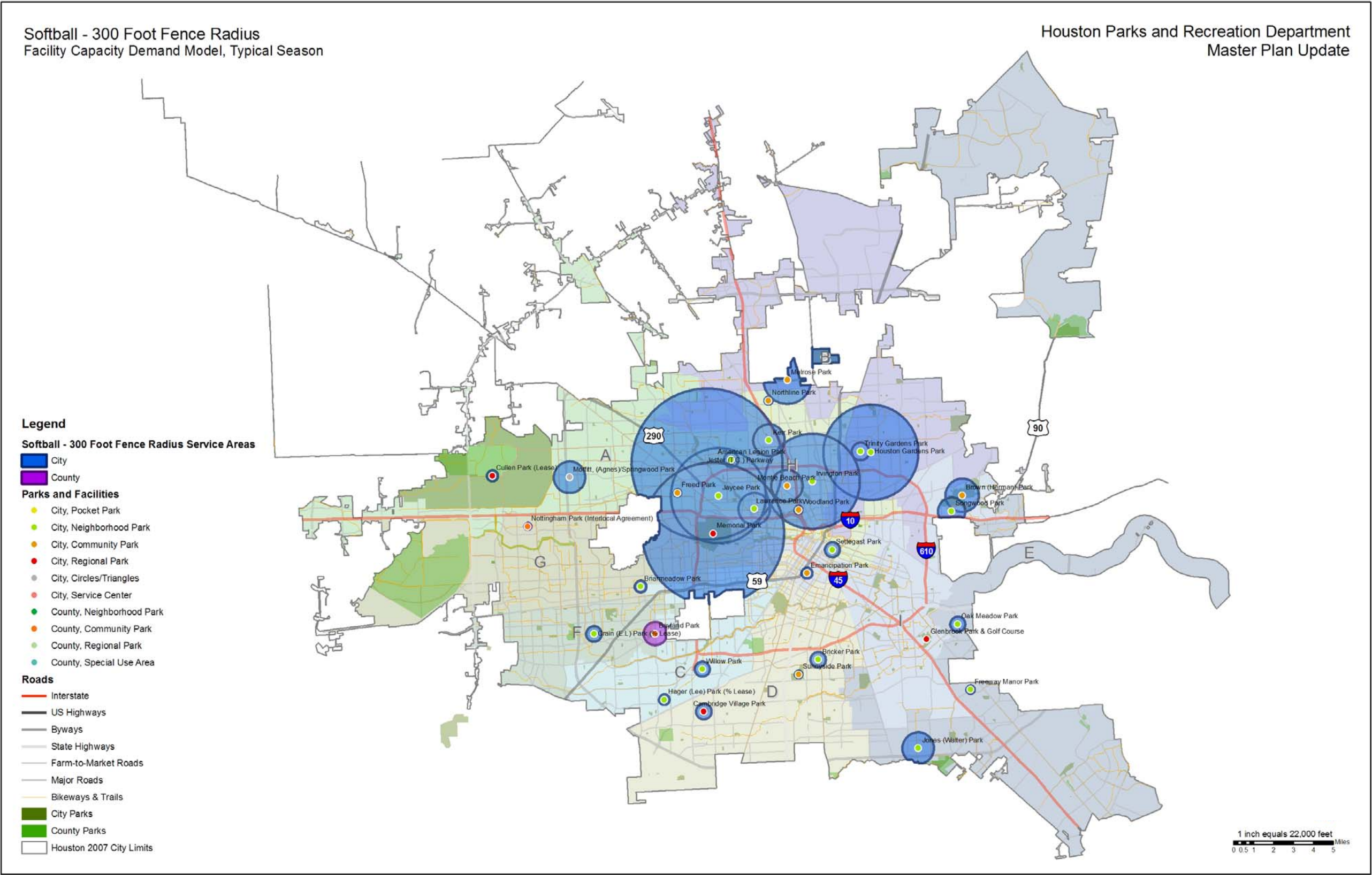


FIGURE IV-19 – SOFTBALL FIELDS (300 FOOT FENCE RADIUS) SERVICE AREA



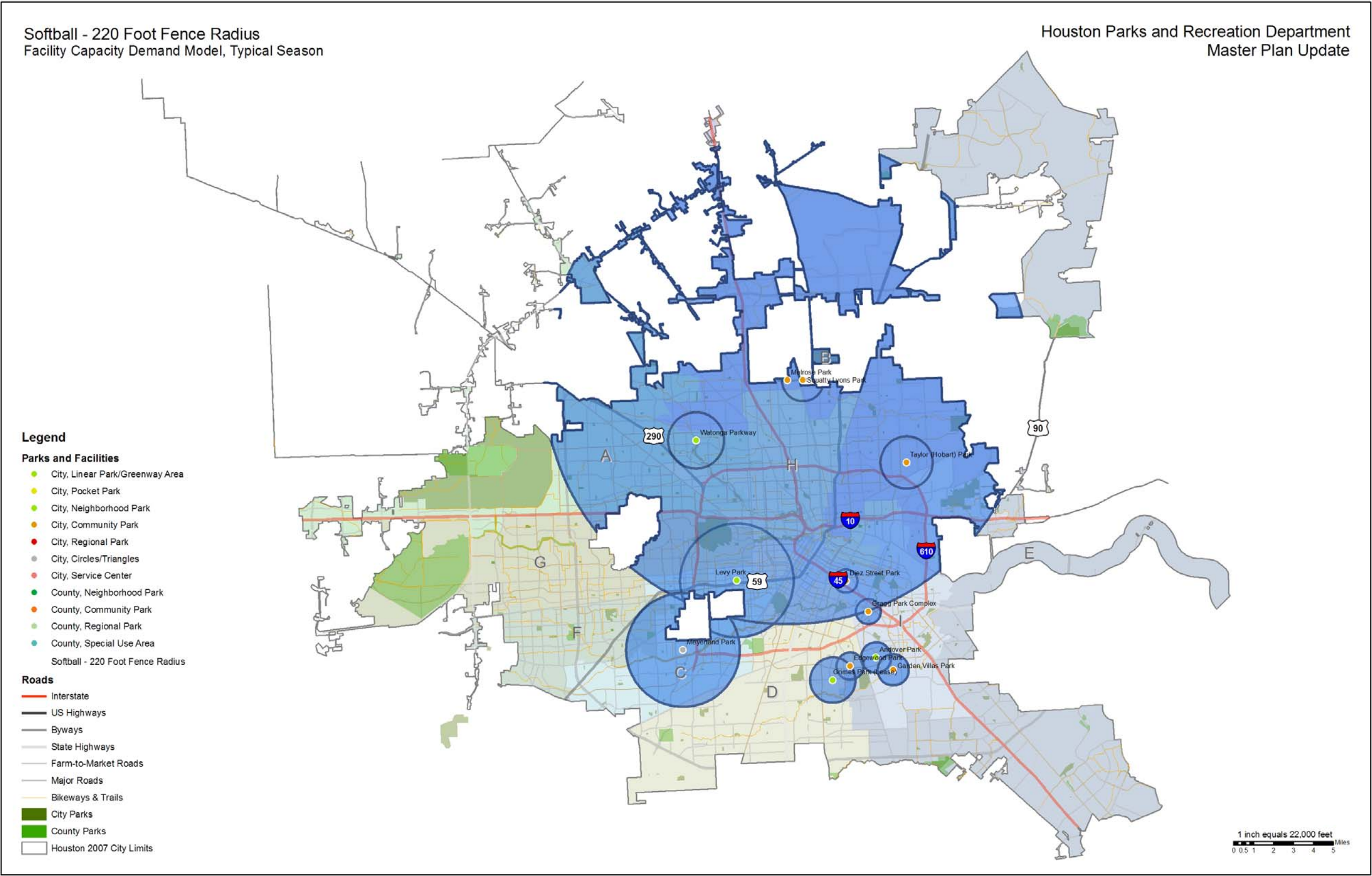


FIGURE IV-20 – SOFTBALL FIELDS (220 FOOT FENCE RADIUS) SERVICE AREA

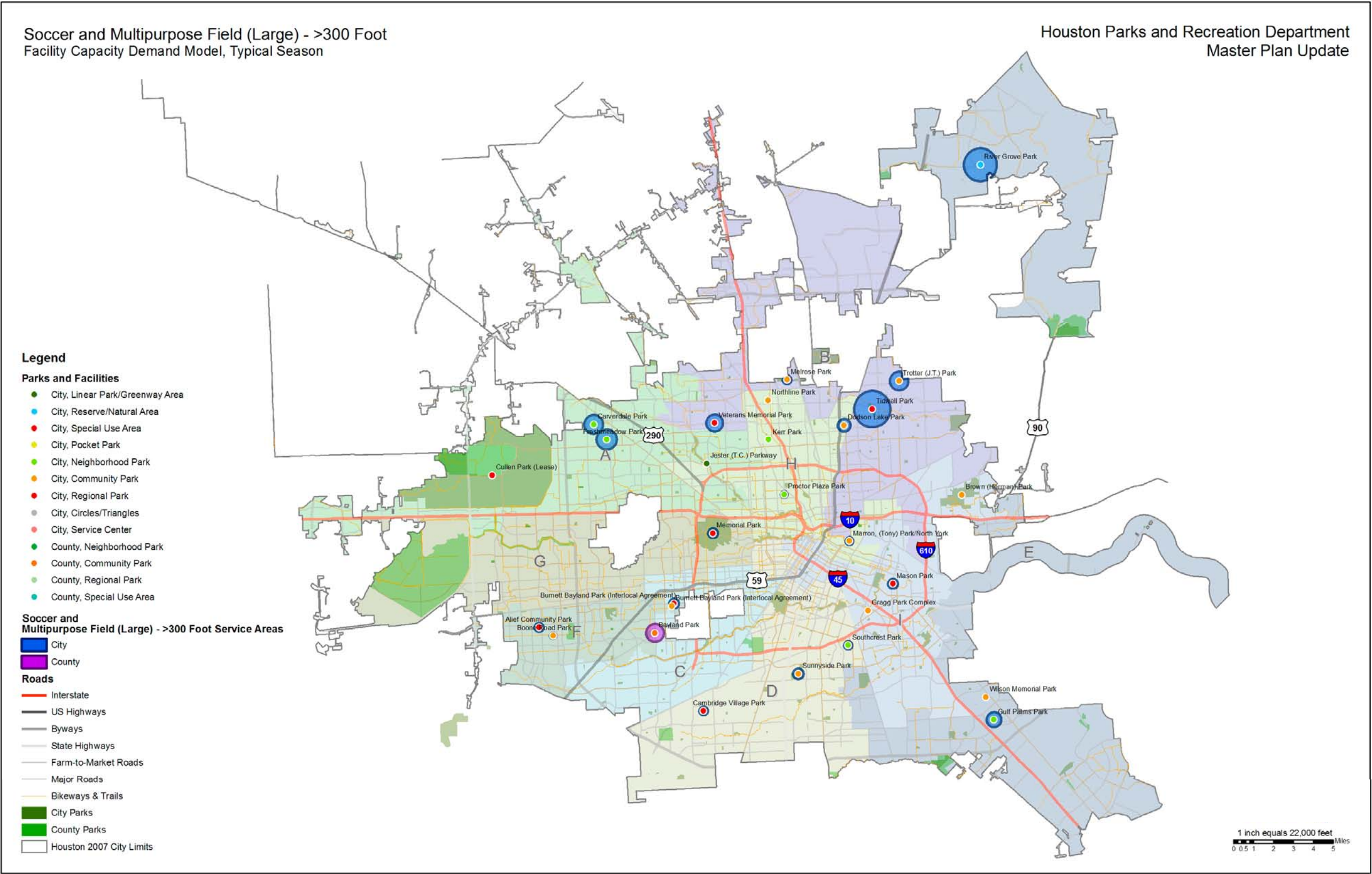


FIGURE IV-21 – SO CCER AND MULTIPURPOSE FIELDS (GREATER THAN300 FEET) SERVICE AREA



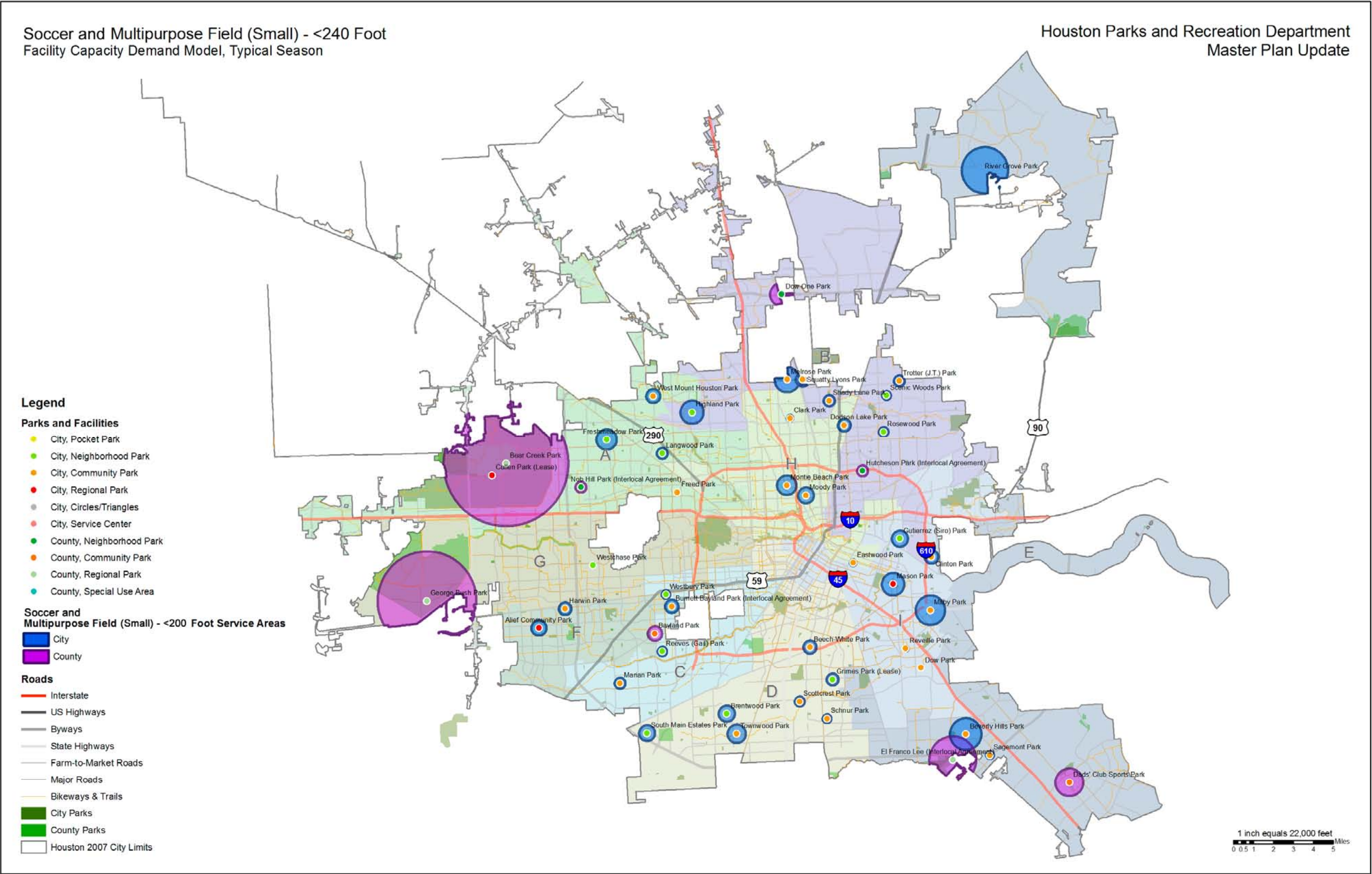


FIGURE IV-22 – SOCCER AND MULTIPURPOSE FIELDS (LESS THAN240 FEET) SERVICE AREA



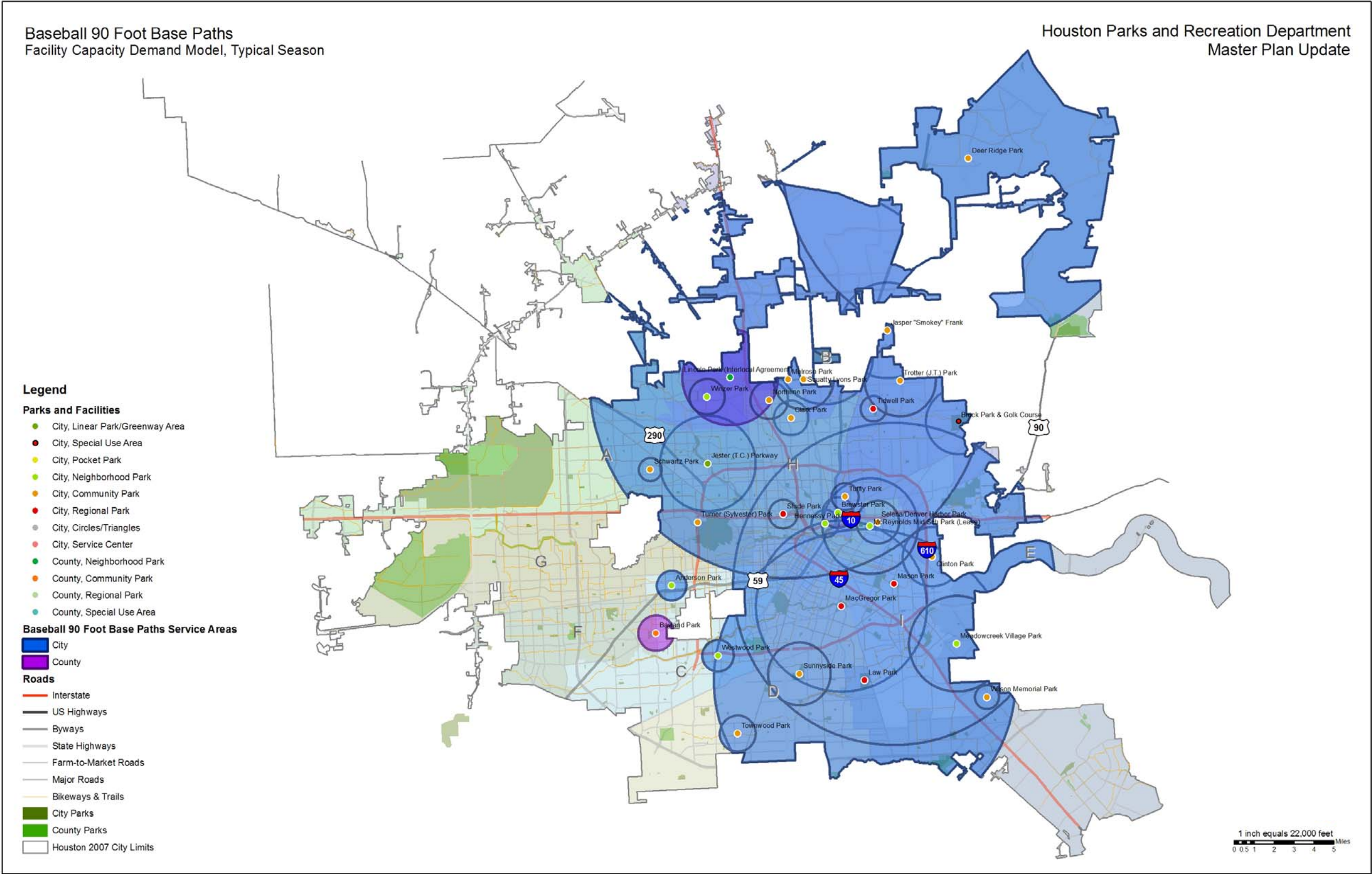


FIGURE IV-23 – BASEBALL FIELD (90 FOOT BASE PATH) SERVICE AREA



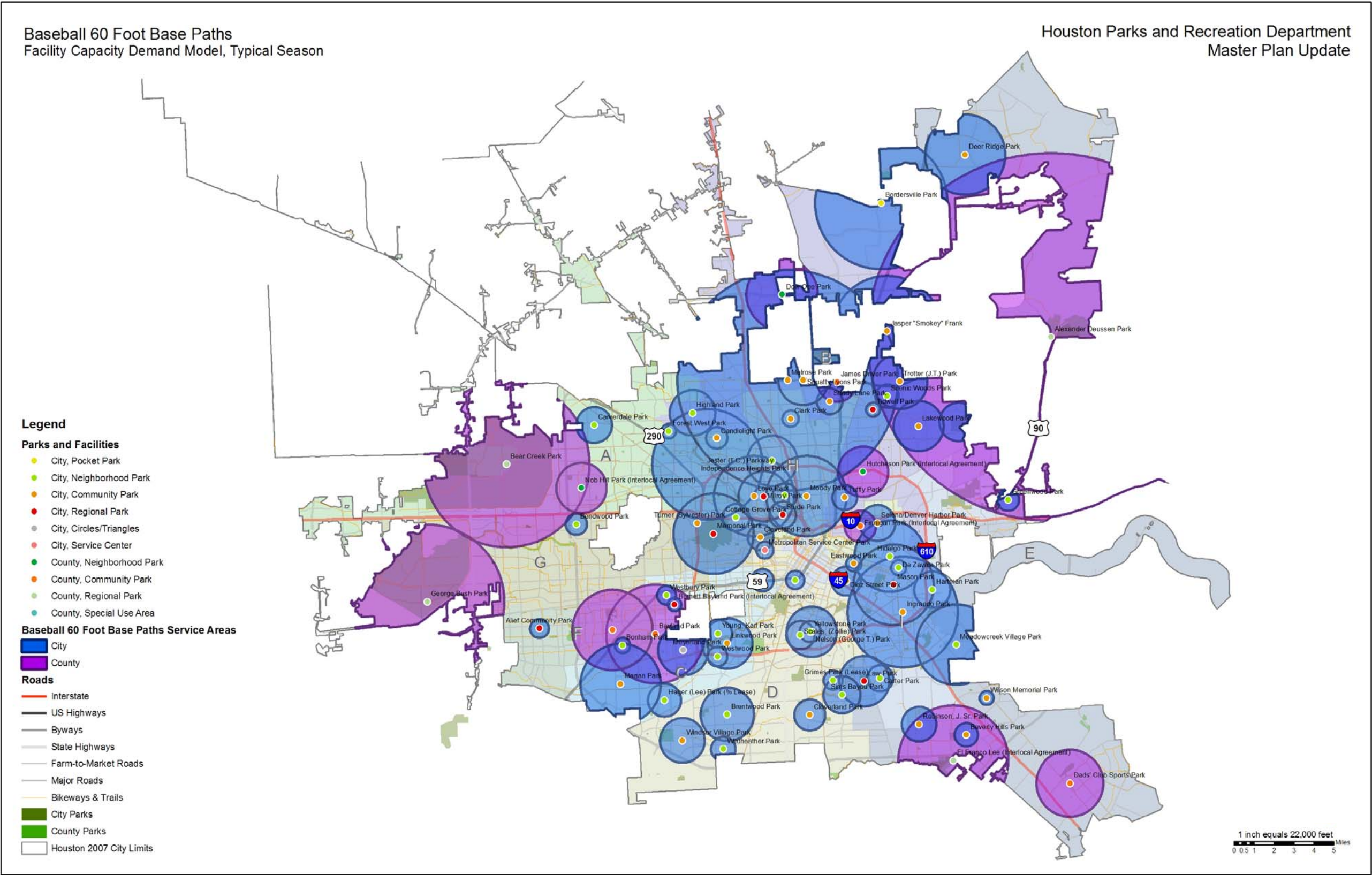


FIGURE IV-24 – BASEBALL FIELD (60 FOOT BASE PATH) SERVICE AREA



## PRIORITIZED NEEDS ASSESSMENT

The purpose of the facility needs assessment is to provide a priority of facility and amenity needs of residents of Houston for its park and recreation system. A weighted scoring system was used to determine the priorities for park and recreation facilities and amenities. This scoring system considers the following

- Household Survey
- Unmet needs for facilities and programs
- Importance ranking for facilities and programs
- Consulting Team Evaluation
- Stakeholder Interviews
- Public Forum Comments
- Facility Assessments
- Trends Analysis
- Service Area Analysis

These weighted scores were then summed to provide an overall score and priority ranking. The results of the priority ranking were tabulated into three categories: High Priority, Medium Priority, and Low Priority. **Appendix 5** presents the priority ranking for facility needs. This information is applied to the overall Facilities Development Plan.

## PARK FACILITY AND RECREATION DEVELOPMENT PLAN

### STRATEGIC DIRECTION

The Master Plan Update is set in motion through an action plan by creating strategies to support the community values, which help to achieve the desired vision and outcome. The plan recommends a significantly different approach to the delivery of parks and recreation facilities services in the City of Houston. Many of the key issues and needs should be addressed in the next five years to meet the community's vision for parks, recreation programs and facilities. Other major facility improvements may require 10+ years for ultimate implementation.

The action plan for the Master Plan is organized into "Big Moves" that frame out the physical improvements necessary to address the priority needs. Leading these *Big Moves* is the Vision that identifies what HPARD wants to be known for. These *Big Moves* are organized within overall strategic objectives founded in the community's values towards parks and recreation.

Following is the Vision and Community Values – Strategic Objectives that frame the Big Moves.

### VISION

The vision for HPARD is:

***Discovering Houston through Parks and Recreation ... It's Worth It!***

### COMMUNITY VALUES – STRATEGIC OBJECTIVES

Following is a summary of the Community Values – Strategic Objectives and supporting strategies. These strategies include the *Big Moves* that represent the physical improvements. Other identified strategies should be addressed through an updated strategic plan for HPARD.

- **Community Mandates** – Invest in the parks and recreation system to enhance balance, equity and quality of life focusing on neighborhoods and communities by addressing priority improvements, unmet needs and utilizing our existing natural infrastructure. Specific strategies include:
  - i. Invest to achieve balance at neighborhood and community level
    - 1. Renewal/Replacement Program
    - 2. Parks as the center of the neighborhood
    - 3. Recreation
  - ii. Address demands for enhanced facilities that are being met outside of the park system
    - 1. Quality sports complex
    - 2. Indoor recreation space
  - iii. Integrate and advance previous planning efforts
  - iv. Support a comprehensive approach to improving the health of residents
  - v. Establish and implement an environmental ethic throughout operations and maintenance with strong stewardship and effective utilization of green infrastructure

- **Consistent Services and Facilities** - Deliver consistent levels of service and facilities throughout the park and recreation system
  - i. Create design, maintenance, operational and programming standards
  - ii. Deliver baseline, priority programs and services to a wider range of users
  - iii. Identify and establish an implementation plan for delivering tiered levels of services and programs with approved cost recovery and operational standards
  - iv. Add signature parks and facilities throughout the city
- **Sustainable Financial Practices** – Establish and instill a business model to guide the decision making, operations and implementation of the master plan recommendations
  - i. Move from social model to business model
  - ii. Developer financing mechanisms
    - 1. Land Dedication/Cash in Lieu Ordinance
  - iii. Pricing philosophy and revenue retention policy
- **Integrated Partnerships** - Enhance partnerships through improved alignment with a common vision and balanced investment among public, private and non-profit groups
  - i. Partnership policies
  - ii. Progressive developer agreements
- **Regional Park and Recreation Framework** – Create a regional park and recreation framework to improve the delivery of services and facilities to the customer and develop a more efficient and effective HPARD.

## PARKS AND FACILITIES DEVELOPMENT PROGRAM

The Park and Recreation Development Program present the overall strategy for recommended prioritizing and phasing for capital improvements for the HPARD system. This strategy is tied to the overall findings from the community and the park system planning process organized into a comprehensive plan. The Development Program provides the foundation for communicating the overall capital needs.

The Park and Recreation Development Program is prepared by comparing HPARD's system inventory with the facility standards. These standards were reviewed and revised by HPARD staff. Each facility category was compared to the standards to quantify the adequacy or deficiency for the category. The deficiencies were compared to the existing facility locations to assign the new facilities to the Council District with the largest gaps or deficiencies. Estimated construction costs were developed for each amenity and facility type to provide a standard costing approach. The facility needs were then prioritized by the "Big Moves" created out of the community input process, the household survey and the recreational trends. This approach establishes a priority list to sequence the implementation of the capital projects.

The Park and Recreation Development Program is organized by "Big Moves" that represent the major physical improvements that need to be implemented to fulfill the needs of the users of the system and position HPARD in a more proactive fashion.

The following “Big Moves” are attainable over the next ten years provided the following actions are taken. The City must invest in these components and HPARD must seek all available resources to develop these components in partnership with other service providers, local resources, state resources and private resources. These “Big Moves” will substantially redefine HPARD for the future and provide the majority of key elements that citizens have expressed a desire to see HPARD provide in facilities and services.

**Equity and Balance** - Establish equity and balance in neighborhood and community parks through closing service area gaps and upgrading/enhancing existing parks and recreation facilities. This element includes:

- a. Renewal/Replacement - includes projects that bring existing facilities in compliance with HPARD's established facility standards. Examples of renewal/replacement projects are adding lights to game fields, developing engineered fields, installing irrigations systems to fields, and removing lights from fields in neighborhood parks
- b. Development of new parks and facilities to close gaps – New parks and facilities are included in the program to fill service area gaps which will increase service to the community's populations with properly sized and conveniently located facilities. The Development Program includes 2,718 acres of new park land.
- c. Redevelopment of existing parks to improve effectiveness and functionality – Matching amenities to park classifications will enhance the functionality of existing facilities and improve maintenance efficiency. The Program includes \$53,450,000 for renewal and replacement projects.
- d. Creative redevelopment – With the implementation of the park dedication ordinance, HPARD has the opportunity to add to existing parks and to create additional park locations through the dedication of land and with the fees in lieu dedication.
- e. Funded standards for routine, preventative/life-cycle maintenance program – Maintenance through the implementation of standards for frequencies of service and allocation of resources to tasks will provide equity in the system and maintain the useful lives of existing and new facilities.
- f. Gaps in service areas and the adequacy of existing facilities are considered with respect to the allocation of proposed projects.

The Equity and Balance Development Program includes \$347,315,000 for facilities development and \$265,800,000 in land acquisition for new facilities. A summary of the projects by type is shown in Figure V-1.

Figure V-1: Equity and Balance Projects by Type

Facility Type	Facility Development	Land Acquisition	Total
Renewal/Replacement Projects	53,450,000	-	53,450,000
New Parks	224,445,000	206,400,000	430,845,000
New Park Amenities	21,450,000	28,500,000	49,950,000
Skate Pads	7,410,000	-	7,410,000
Dog Parks	2,340,000	5,400,000	7,740,000
Spray Grounds	10,140,000	3,900,000	14,040,000
Tennis Complexes	28,080,000	21,600,000	49,680,000
<b>Total - Equity and Balance</b>	<b>347,315,000</b>	<b>265,800,000</b>	<b>613,115,000</b>

**Viable Recreation Programming** - Make recreation programming viable and valuable.

- Wider age segment and interest appeal is accomplished through the development of community recreation centers that are based on market demand with convenient locations.
- The Program includes funds for 266 fields to be updated to system standards and the addition of 175 new sports fields.

The Viable Recreation Development Program includes \$145,866,500 for facilities development and \$100,650,000 in land acquisition for new facilities. A summary of the projects by type is shown in Figure V-2.

Figure V-2: Recreation Programming Projects by Type

Facility Type	Number	Facility Development	Land Acquisition	Total
Community Centers	10	97,500,000	9,000,000	106,500,000
New Basketball Fields	62	4,030,000	9,300,000	13,330,000
New Softball Fields	51	13,065,000	22,950,000	36,015,000
New Soccer Fields	74	18,167,500	33,300,000	51,467,500
New Multipurpose Fields	50	12,480,000	22,500,000	34,980,000
New Volleyball Fields	24	624,000	3,600,000	4,224,000
<b>Total - Viable Recreation Programming</b>		<b>145,866,500</b>	<b>100,650,000</b>	<b>246,516,500</b>

**Create Connections** - Create connections and accessibility through a city-wide trail system.

- a. Harris County Flood Control District controls much of the land needed to implement a regional trail system – Many additional miles of city-wide trails and park system connections can be developed through working with HPARD to develop a regional trail system. Equestrian trails should also be developed.
- b. City develops linkages and connections – The park dedication ordinance provides a mechanism for acquiring corridors to connect park system facilities.
- c. The trail/greenway system should provide linkage between facilities that are owned and maintained by the City and other service providers. The Development Program includes 1,482 acres for Corridor Parks, 179 miles of In-Park Trails, and 200 miles of Connecting Trails.

The Create Connections Development Program includes \$210,977,000 for facilities development and \$336,000,000 in land acquisition for new facilities. A summary of the projects by type is shown in Figure V-3.

**Figure V-3: Equity and Balance Projects by Type**

Facility Type	Facility Development	Land Acquisition	Total
Corridor Parks/Greenways/Trails	38,532,000	222,300,000	260,832,000
In-Park Trails	81,445,000	53,700,000	135,145,000
Connecting Trails	91,000,000	60,000,000	151,000,000
<b>Total - Create Connections</b>	<b>210,977,000</b>	<b>336,000,000</b>	<b>546,977,000</b>

**Create Signature Parks** – Based on the Telephone Survey, residents from most of the City's Council Districts visit both Memorial and Hermann Parks on a regular basis. If additional signature parks are developed in other areas of the city it will better serve the residents and create more of an equitable distribution of signature parks. Other parks that have a supporting organization or should work toward Signature status include Keith Weiss Park, Willow Water Hole, Lake Houston Park, Herman Brown Park and Discovery Green.

**Environmental Leadership** – Serve as an environmental leader through stewardship programs, adaptive utilization of environmentally sensitive areas and partnerships in demonstration projects. The community's priority for environmental ethic is achieved by acquiring, providing, maintaining and improving safe, high-quality, accessible natural areas and nature programs. Appropriate development along waterways and bayous assists in protecting and preserving the significant natural resources of the Houston area.

Environmental best practices should be integrated into each aspect of park system's operations, maintenance and programming. Design standards for future capital improvements and a land acquisition program should be established based on approved park classifications and any unique environmental characteristics of the site. The standards will reflect the community's desire for consistent, quality construction and will be supportive of environmental stewardship and natural resource management.

The cooperative projects with Harris County Flood Control District and additional trail and natural area development around the bayous begin to protect and enhance the natural environmental characteristics of the City. The program includes over \$260,000,000 in greenways and corridors (see Figure V-3.)

**Establish Regional Park and Recreation Approach** - Define, coordinate and organize roles and responsibilities of all park and recreation service providers within a regional context.

- a. Regional approach – This includes the continued cooperation with other service providers in the region. Additional work on a regional inventory will document the existing resources and clarify the gaps in regional needs.
- b. Advocates, friends, partners and management districts: Non-profit organizations including foundations, neighborhood associations and sports leagues will continue to be a source of facilities and funding to meet the future needs of the region. Regular communication among the regional service providers is needed to further define roles and responsibilities to meet the recreation needs of the greater Houston area.
- c. This Program considered the availability of other major facilities in determining the location gaps of facilities and the ability of existing facilities of the City and other agencies to meet the needs of the community.

The projects are shown by City Council District in Appendix 5.

## IMPLEMENTATION ACTION PLAN

The ability of the HPARD to successfully implement and manage the Parks and Recreation Development Program will require changes in the way it currently performs business. HPARD has strong leadership at the top and has been successful in gaining the trust and confidence of city officials.

HPARD has long been focused more on parks and less on recreation. This plan presents a vision and strategies to achieve a more balanced parks and recreation system. Successful implementation and management of the Parks and Recreation Development Plan will require adherence to the plan as well as a commitment to follow-through. Following are key elements that need to be considered for realization of this plan.

### CORE BUSINESSES

Every agency or business has programs or services that are core to their operations. In a public agency, particularly parks and recreation, it is very important to clearly define core businesses and focus resources towards them. A core business can be defined by a criterion that includes:

- The program has been provided by the City for a long period of time and is expected by the community
- The core program consumes a large portion (5% or more) of HPARD's recreation overall budget and has revenue sustainability
- The program is offered 3-4 program seasons per year and continues to fill 80% of its program capacity each season
- The program has wide age segment and demographic appeal

- There are tiered levels of skill development available within the programs offered
- There are full-time staff dedicated and responsible for the program
- There are recreation facilities designed specifically to support the program
- HPARD controls a significant percentage (20%) or more of the program market locally
- There is a long term participation appeal with high numbers of people involved in the program, and the program has been in a growth or mature stage of its lifecycle for a long period of time
- The program requires high levels of customer interface
- The program has a strong social value that addresses being part of a solution to a community problem
- The program has strong economic appeal and a high resident benefit that creates a strong return on investment for the City
- The program has high partnering capability, as it applies to renting a facility or partnering in the development of a facility, program or event

It is important to focus financial and organizational resources on these areas. For programs, services and facilities that are non-core, HPARD should develop a strategy for partnering with other service providers for service delivery. If no partner exists, HPARD should develop a strategy for moving away from the non-core businesses.

#### TRACKING PERFORMANCE INDICATORS

For success to be fully recognized, it is important to have performance measures that can be monitored and reported. Some of the performance measures focus on meeting a deadline. Others focus on meeting a measurable outcome. These measurements create a working scorecard for the staff to present yearly to a Parks and Recreation Advisory Board and/or the City Council. It is important for staff to remember that there is more than getting the task done; it must also include how well it is done as well as the level of impact. Performance measures like timelines need to be updated yearly and should include:

- Performance measurements for each program area
- Consistent methods for tracking results including revenues, expenses, participation and satisfaction
- Need to identify the full costs of delivering programs and the return on investment
- Facility productivity and capacity of use
- Staff productivity and results

#### IMPLEMENTATION SCHEDULE

This Parks and Recreation Development Program presents a prioritized program. The programs will require extensive capital investment over the next ten years.

#### COMMUNICATION OF RESULTS

It is very important for HPARD to communicate the results of their efforts to implement the goals, strategies and tactics of the Parks and Recreation Needs Assessment. This communication should be performed quarterly to the Quality of Life Committee of City Council, semi-annually to City Council and yearly to the citizens of the City. It is expected that the Mayor will receive periodic briefings. This will demonstrate responsibility and accountability on the part of staff. It will also demonstrate to the community and elected officials the importance of Parks and Recreation Development Program.



## PLAN UPDATING

The Parks and Recreation Development Program is dynamic in its design. It is a living document that creates a work plan for staff to follow. It will require yearly updates as well as additions to meet the community's vision for parks and recreation in the City of Houston. Much of the Parks and Recreation Development Program success is dependent on funding. After five years, the funding progress should be evaluated and program priorities reassessed.

## CONCLUSION

Parks and recreation systems create value in a community through enhanced quality of life and increased property values. As the City of Houston readies itself for continued growth, it has an opportunity to leverage its parks and recreation system to continue to position itself as a national leader.

Leaders in Houston want a world class city and realize associated economic impacts that come with this goal. In addition, Houston's population is very diversified and aging. Each of these factors has a significant impact on parks, programming and recreation facility needs to keep the quality of life in Houston as positive and productive as possible.

The park and recreation system can serve as a driver for economic development. By investing in park and recreation facilities the City can adequately serve the needs of the current population while positioning for the type of growth desired and instilling a more entrepreneurial business approach to the system. HPARD can help prepare Houston to become a world class city through the demonstration of positive use of land and facilities that will create an elevated image of the City and add to the quality of life to residents of all ages.

The Parks and Recreation Development Program outlines a strategy to recover the parks and recreation system and to position it as a major element of pride in the City and as a viable service worth investment. This will require political will and a substantial investment by the City and its residents to achieve all the recommendations outlined in the Needs Assessment Plan. The Director and his staff are prepared to make the level of commitment and address the challenges ahead. The answers to the problems and issues have been addressed to create a sustainable parks and recreation system, but permission and an investment needs to be provided by the City Council and key city leadership to move HPARD to the next level. This support will help carry the system well into this century and to leave a lasting legacy for all to enjoy; *Discovering Houston through Parks and Recreation ... It's Worth It!*

## APPENDIX 1 – DEMOGRAPHIC DENSITY MAPS

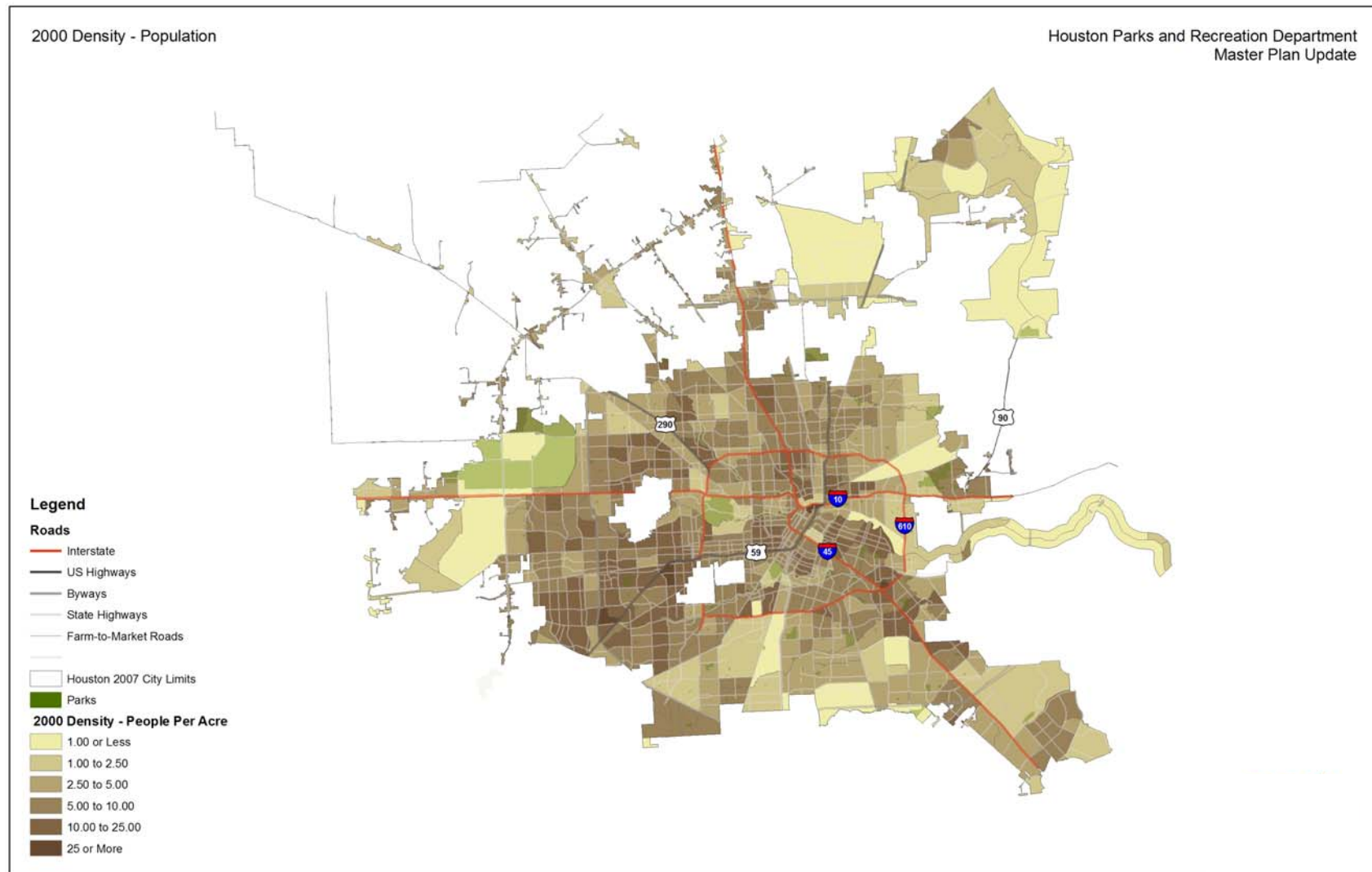
Based on Census information and projections the following maps were created to show the racial and ethnic concentrations throughout the City of Houston for the years 2000, 2010 and 2020. Populations that are mapped include:

1. Population Densities
2. Black
3. White
4. Asian
5. Other
6. Hispanic (2010 and 2020)
7. Non Hispanic (2010 and 2020)
8. Household Densities
9. Female Densities
10. Male Densities

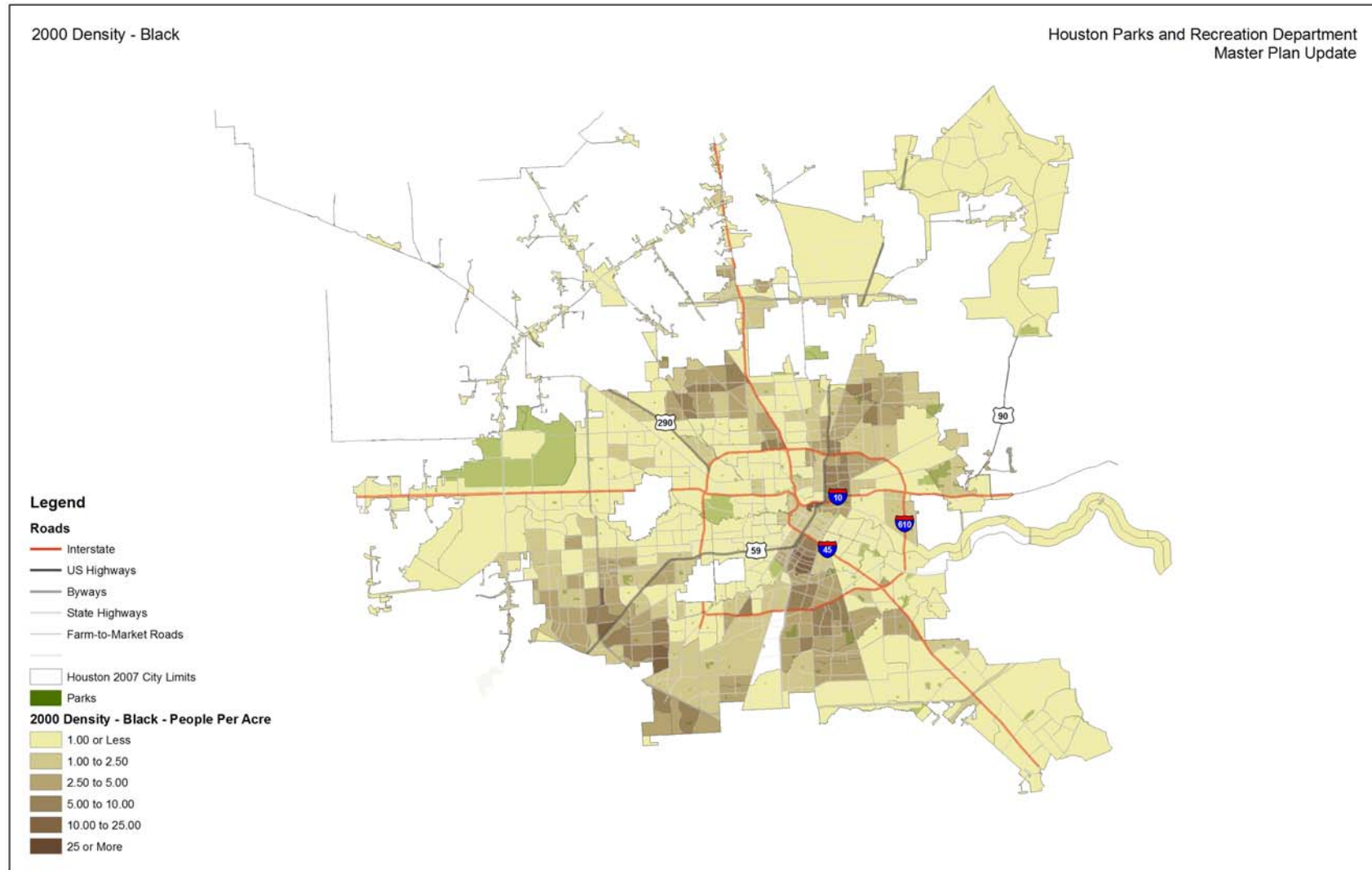
Additionally age distributions throughout the city were also mapped for 2000, 2010 and 2020 and include the following breakdowns:

1. Age 4 and Under
2. Age 5 to 19
3. Age 20 to 44
4. Age 45 to 64
5. Age 65 and Over

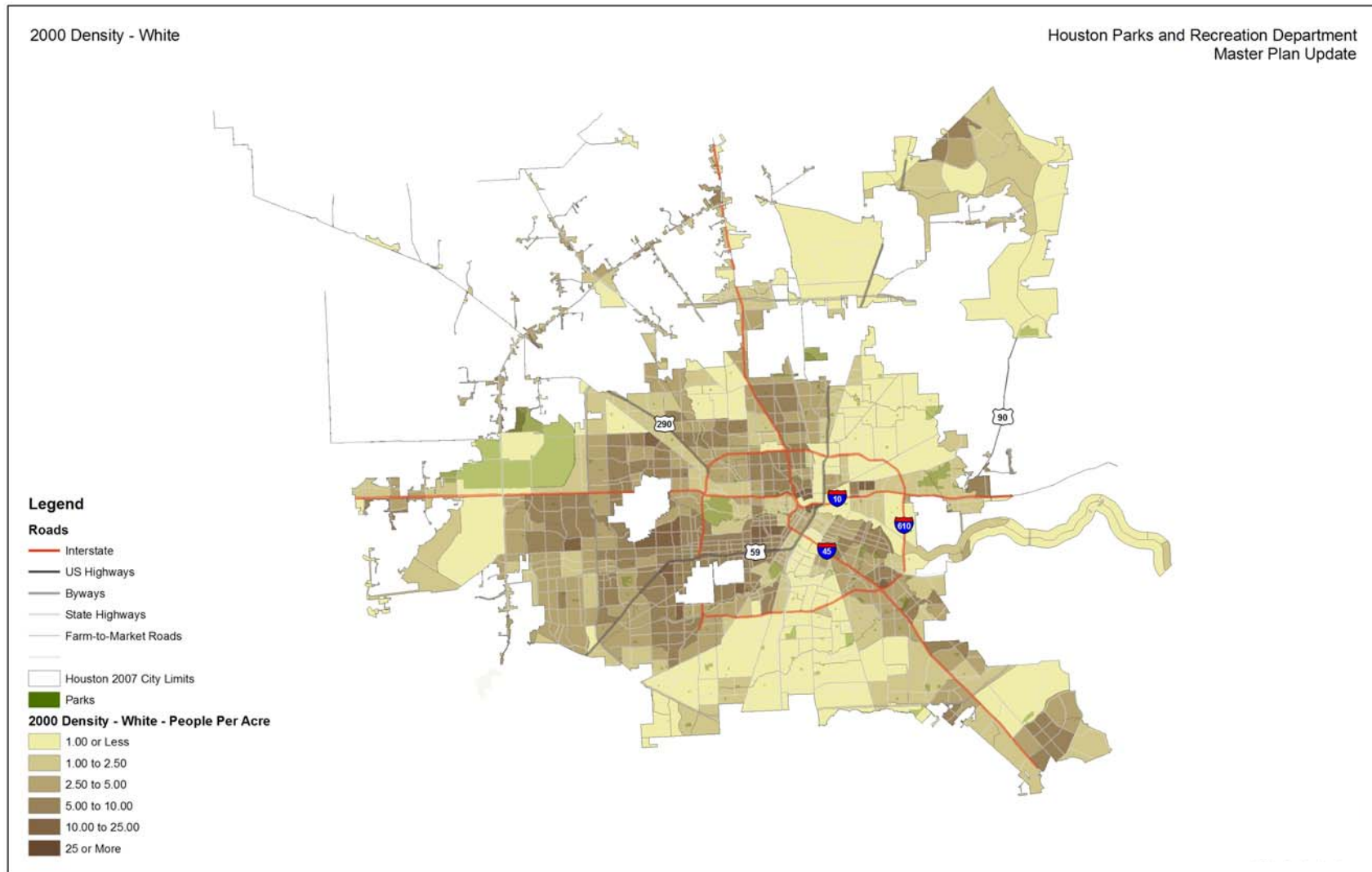
## 2000 TOTAL POPULATION DENSITIES (FIGURE 1-1)



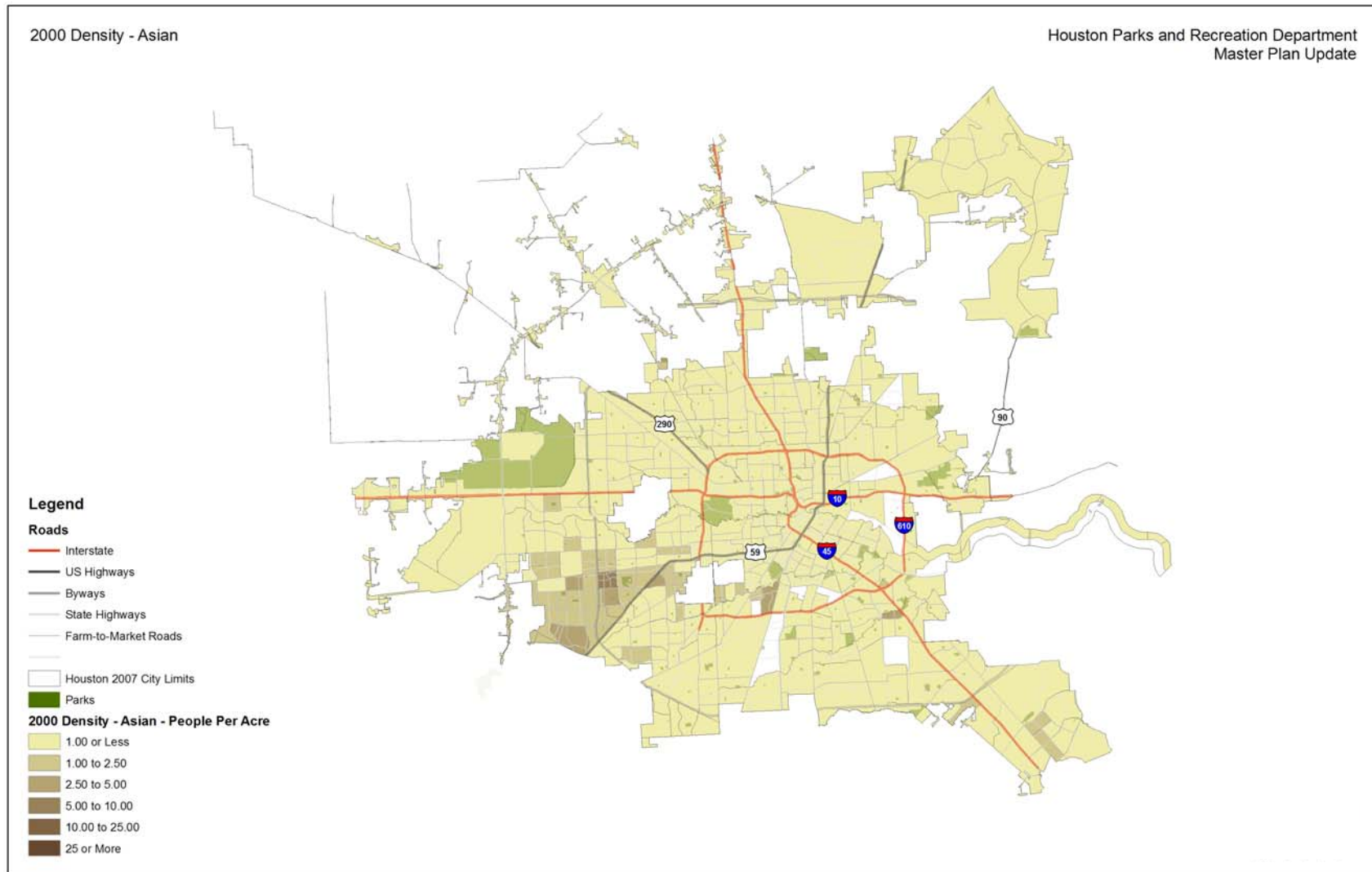
## 2000 BLACK POPULATION DENSITIES (FIGURE 1-2)



## 2000 WHITE POPULATION DENSITIES (FIGURE 1-3)

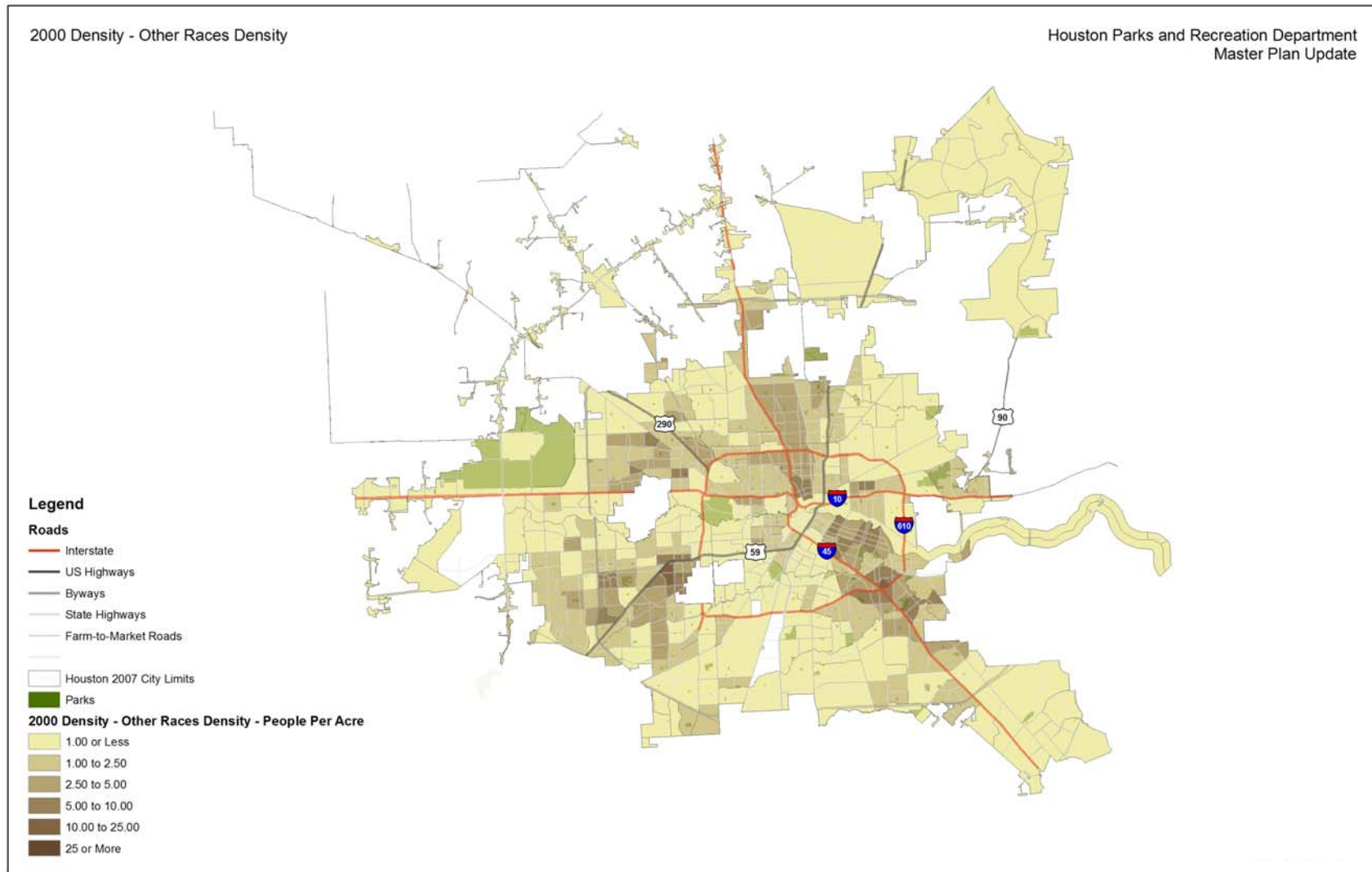


## 2000 ASIAN POPULATION DENSITIES (FIGURE 1-4)

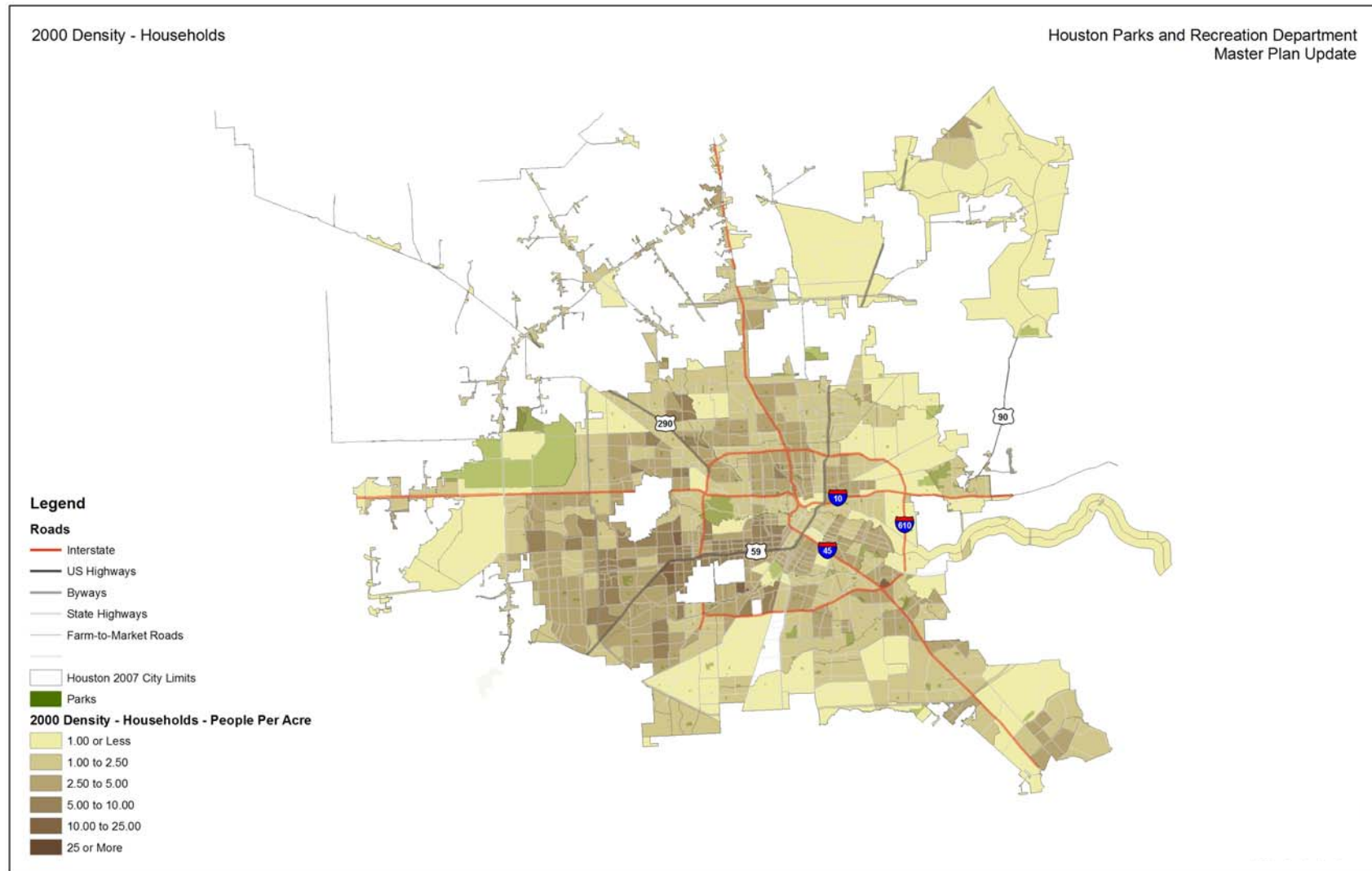




## 2000 OTHER RACE POPULATION DENSITIES (FIGURE 1-5)

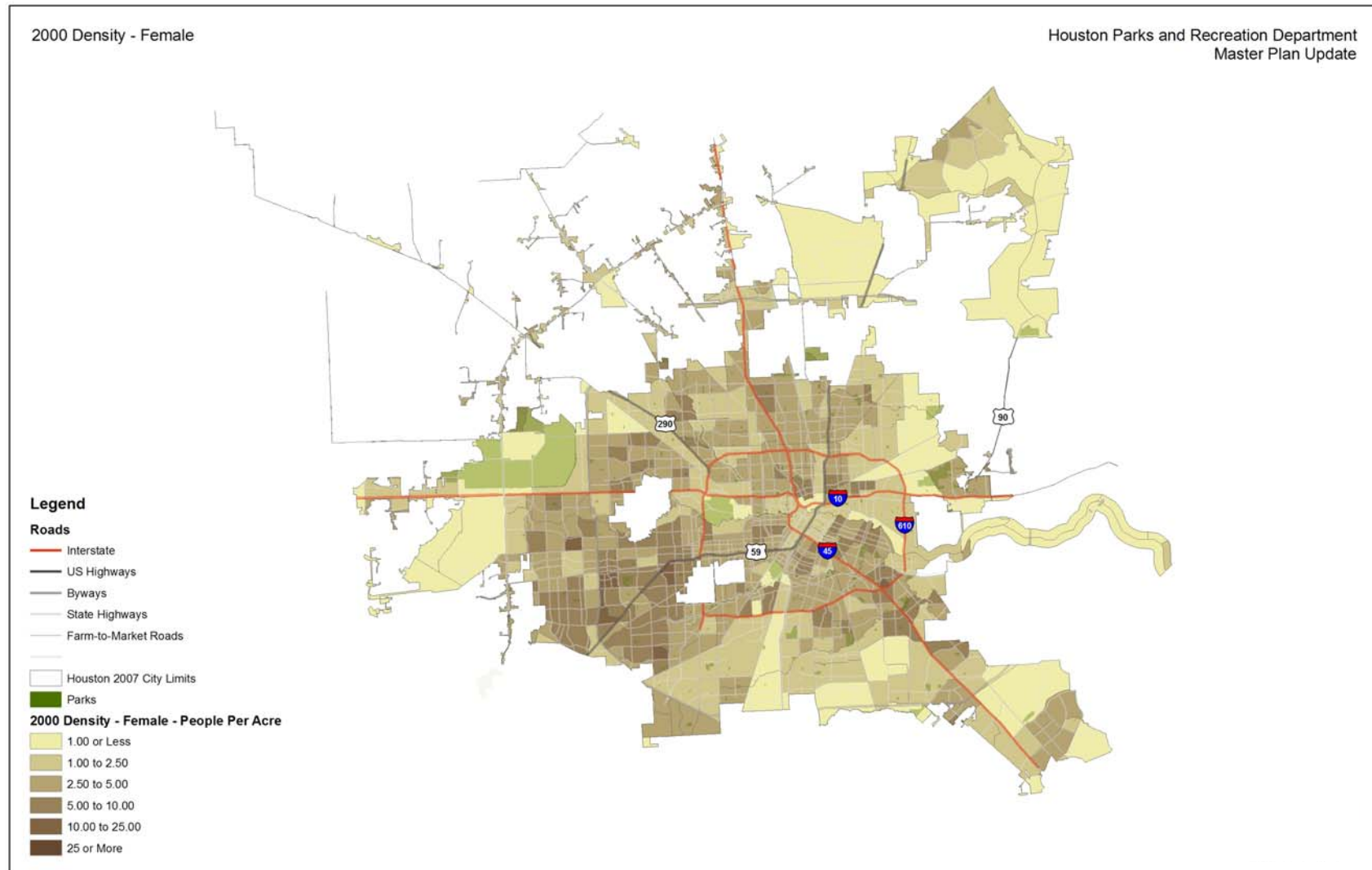


## 2000 HOUSEHOLDS DENSITIES (FIGURE 1-6)

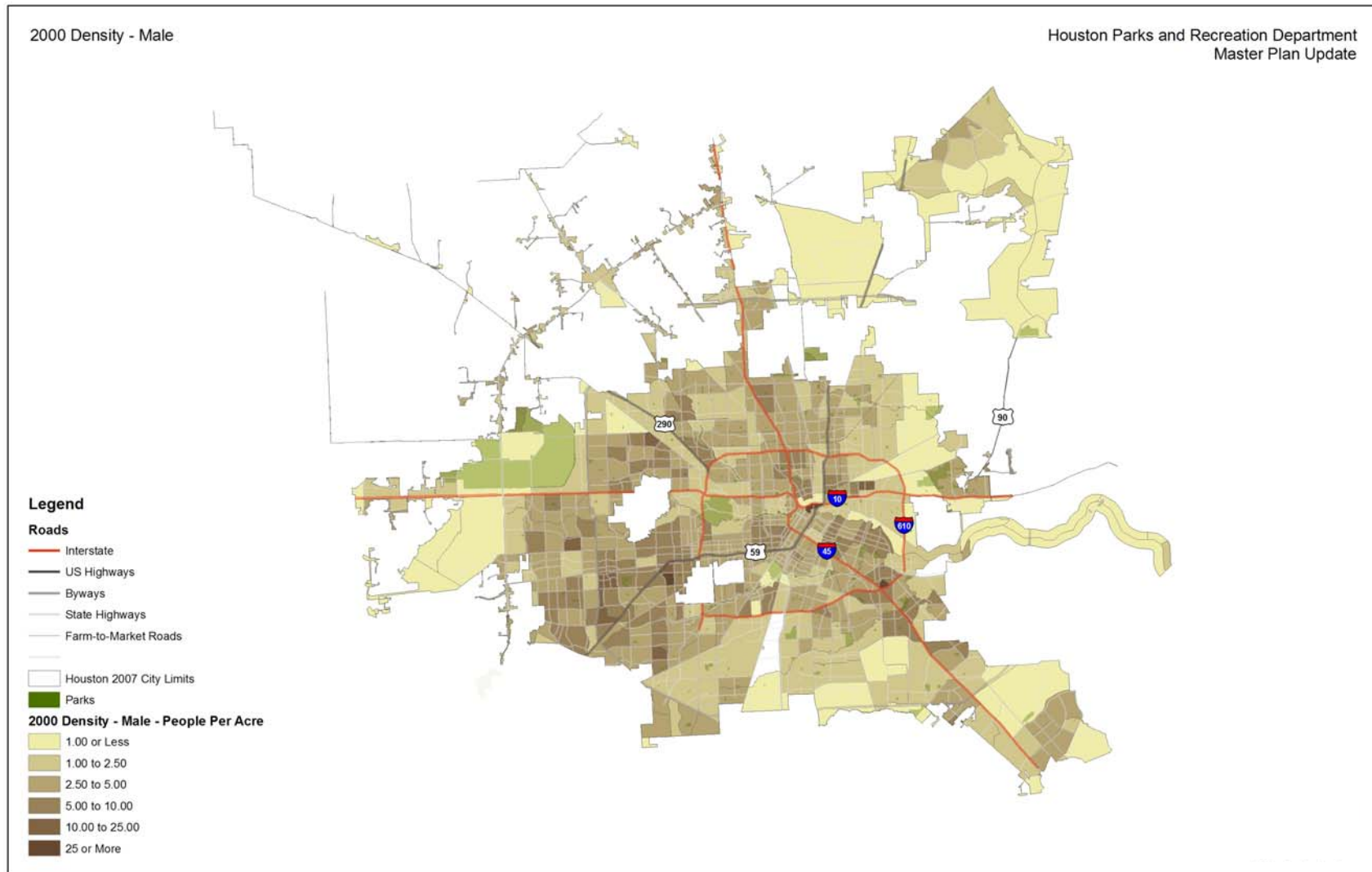




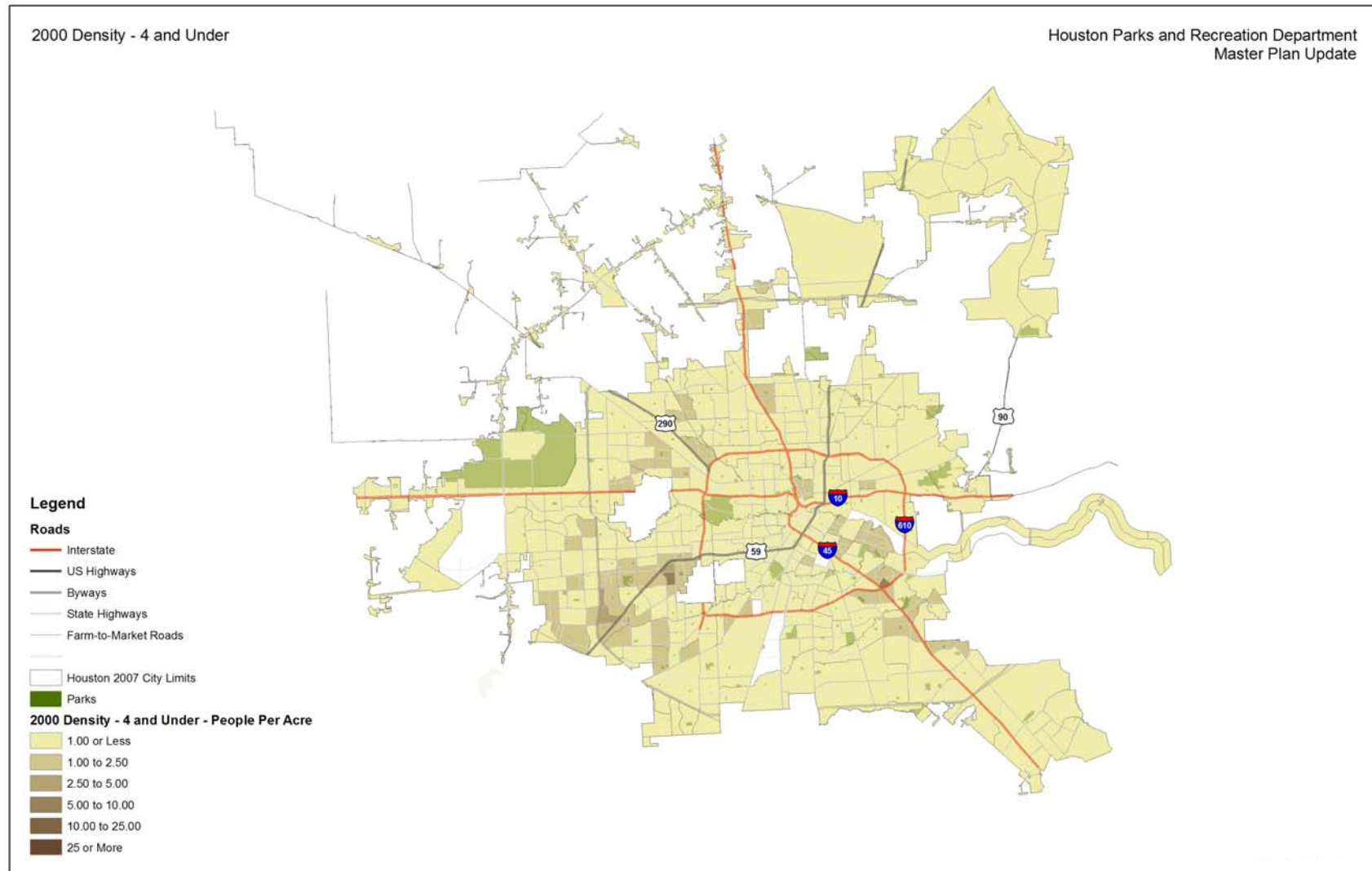
## 2000 FEMALE DENSITIES (FIGURE 1-7)



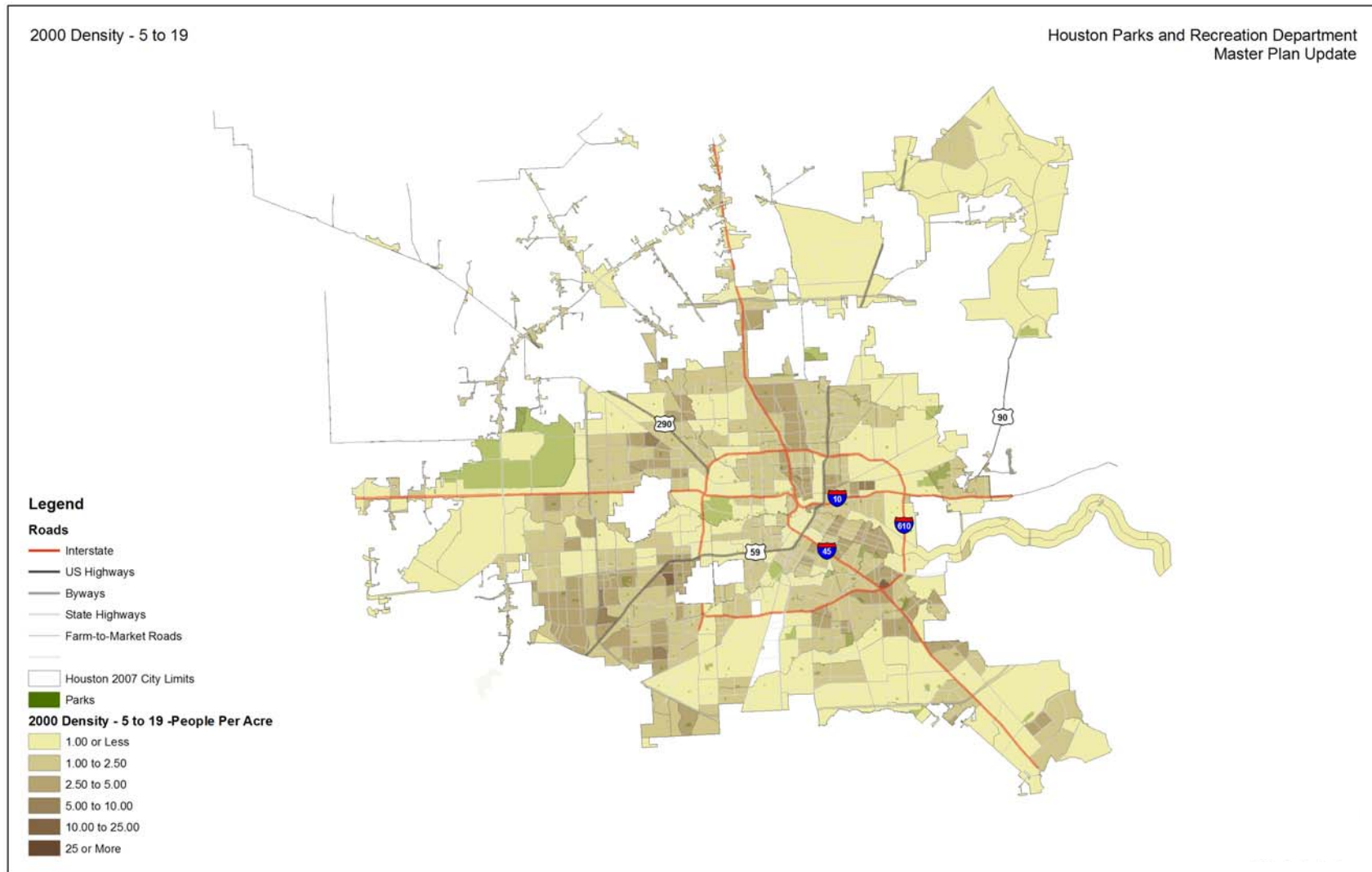
## 2000 MALE DENSITIES (FIGURE 1-8)



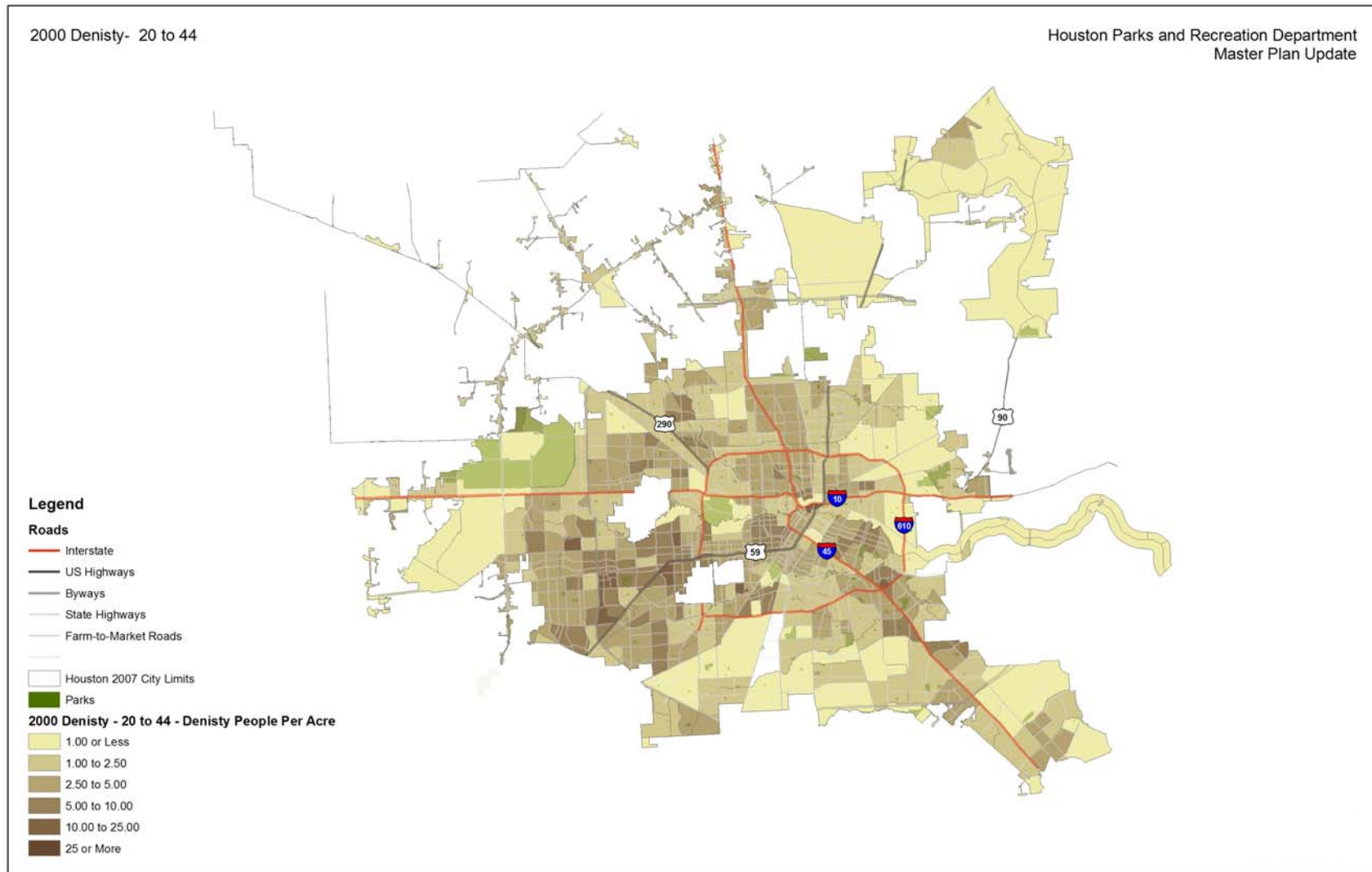
## 2000 AGE 4 AND UNDER DENSITIES (FIGURE 1-9)



## 2000 AGE 5 TO 19 DENSITIES (FIGURE 1-10)

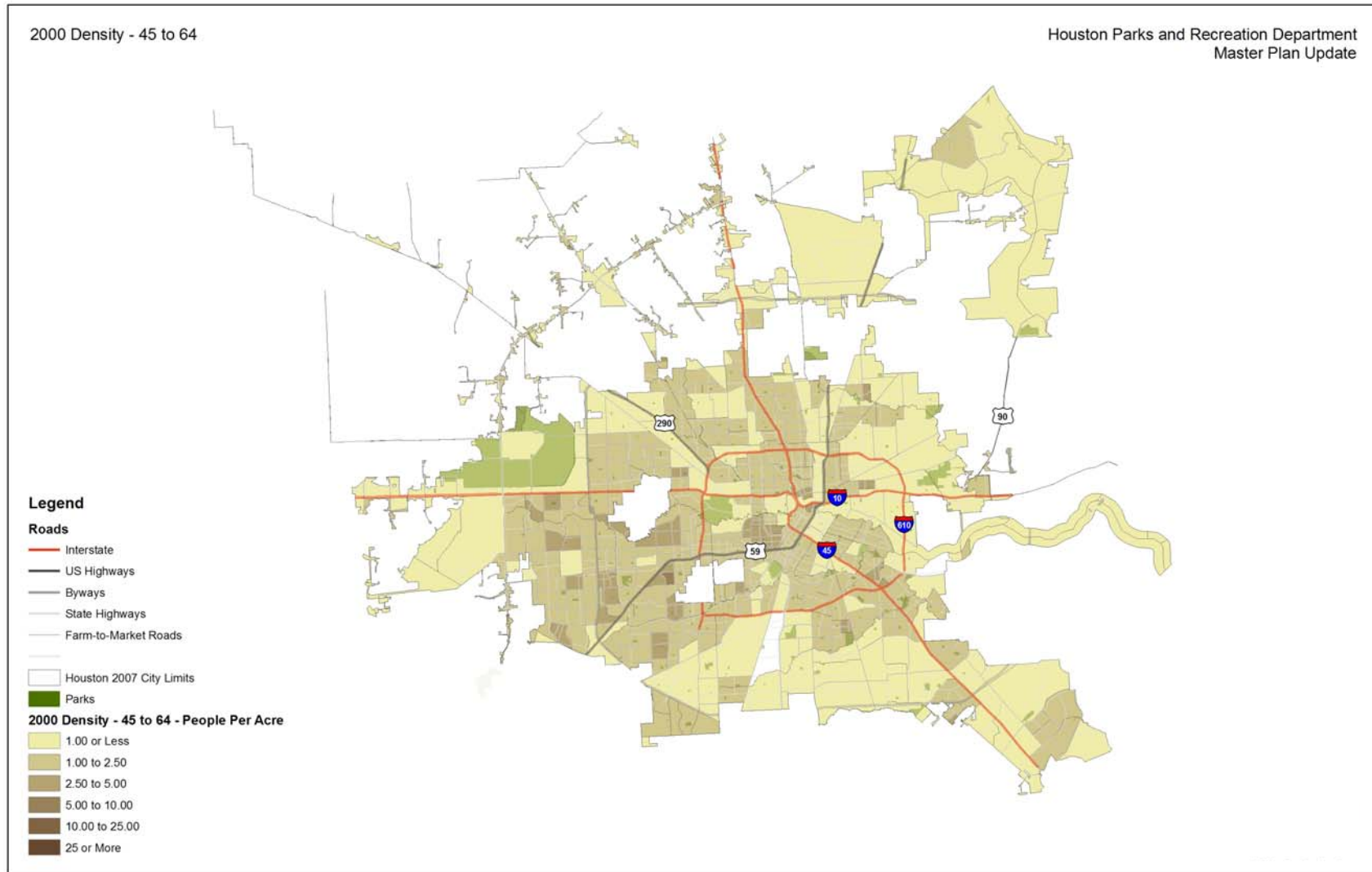


## 2000 AGE 20 TO 44 DENSITIES (FIGURE 1-11)



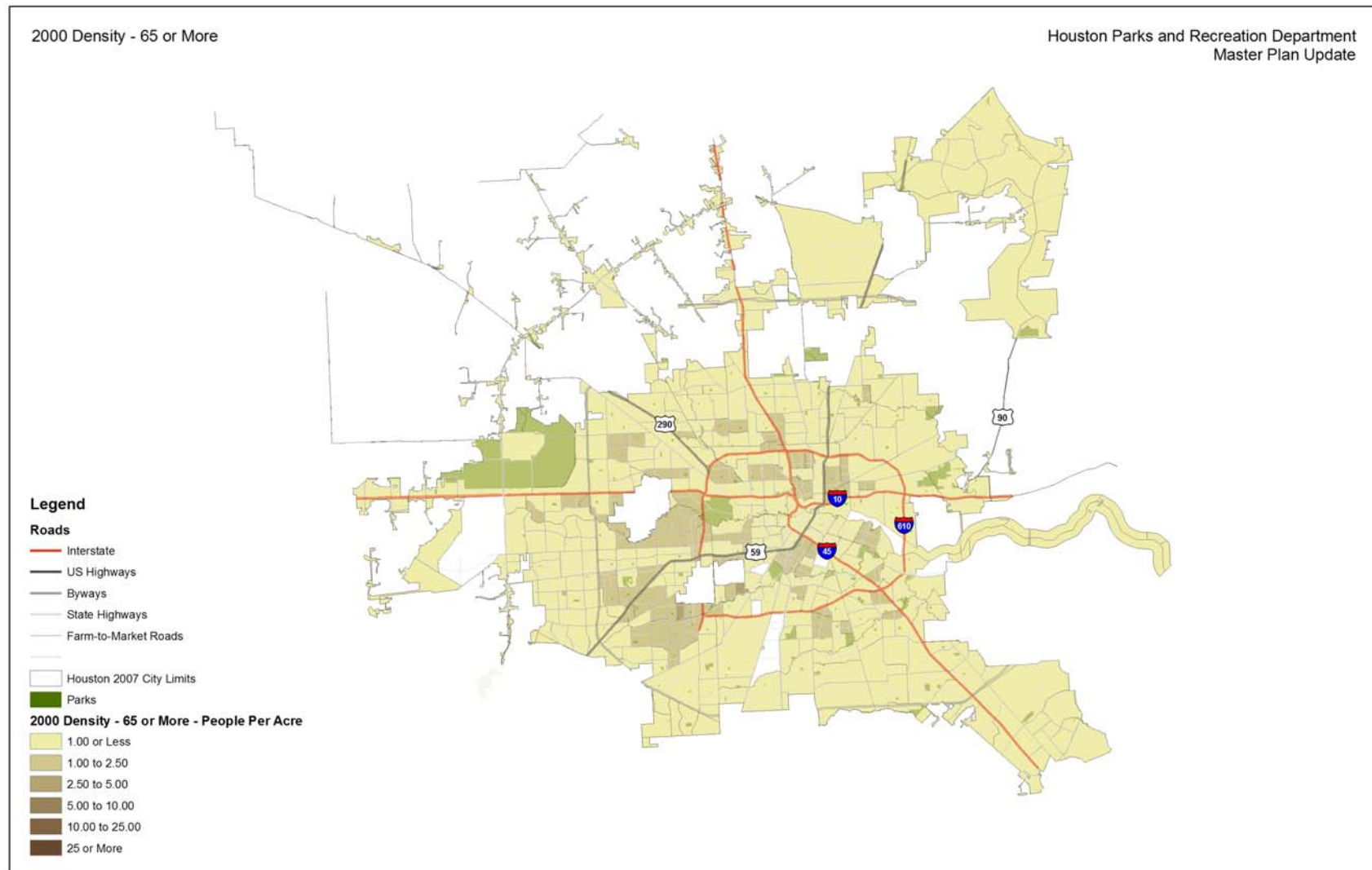


## 2000 AGE 45 TO 64 DENSITIES (FIGURE 1-12)

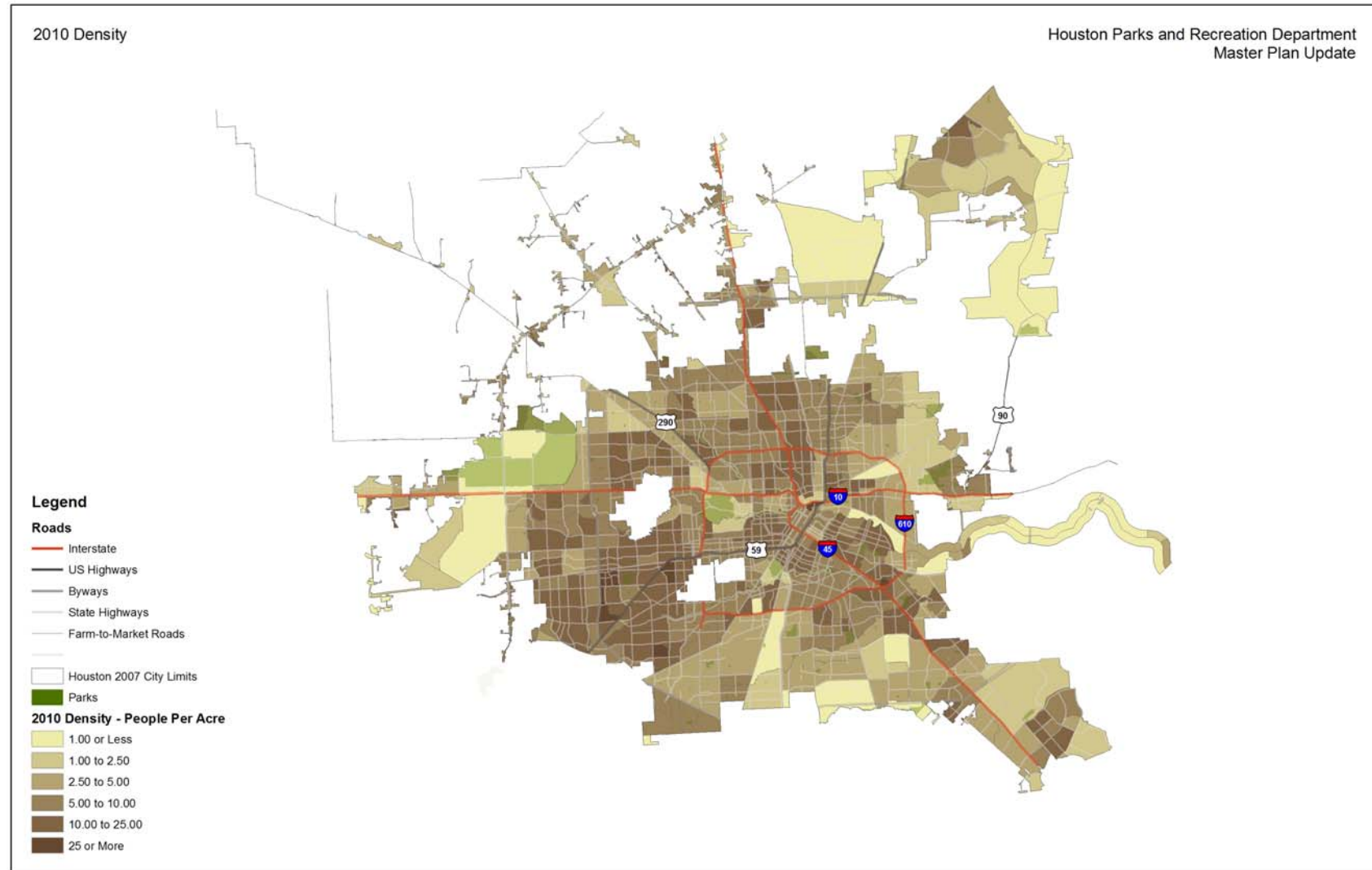




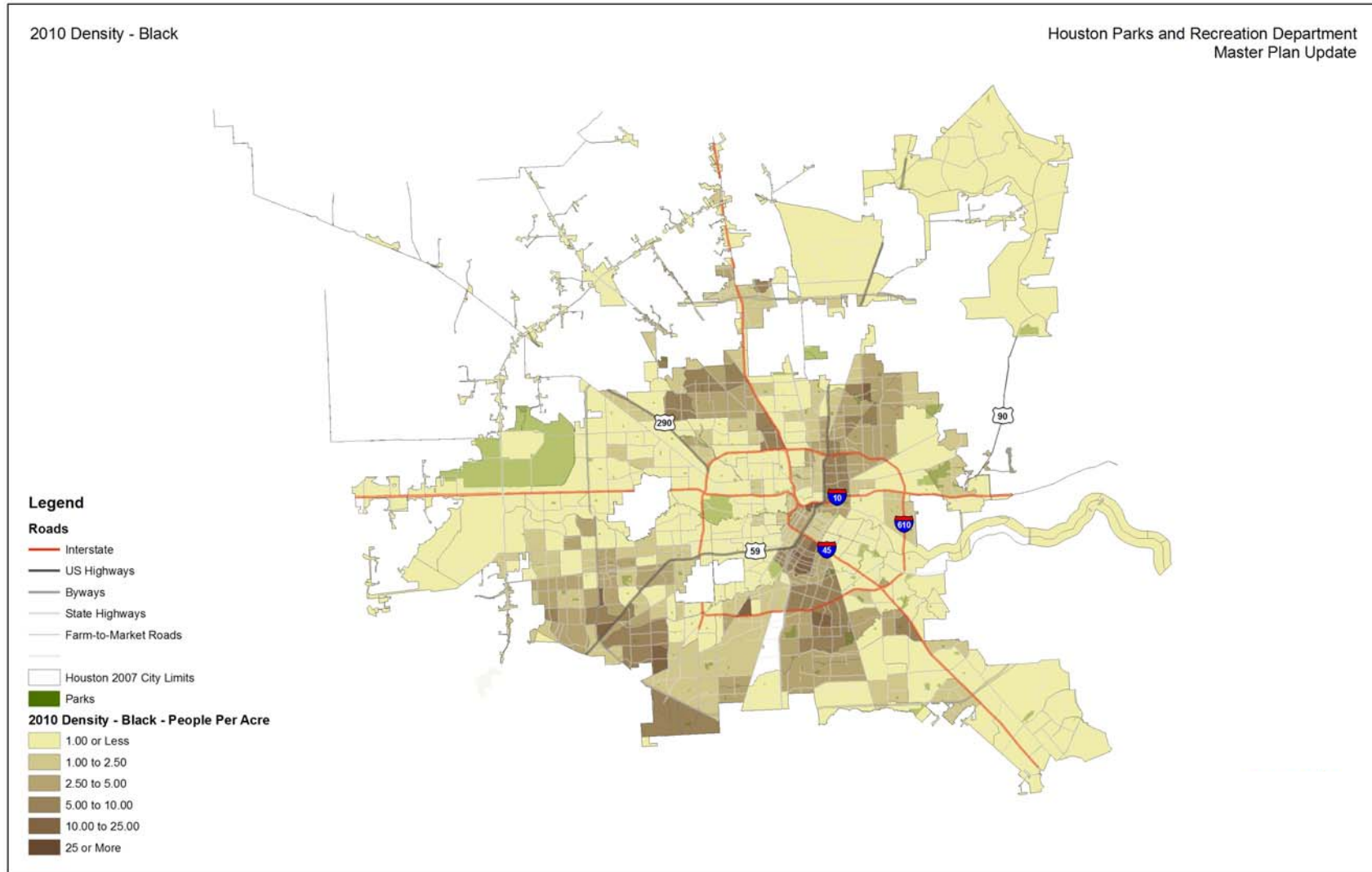
## 2000 AGE 65 AND OVER DENSITIES (FIGURE 1-13)



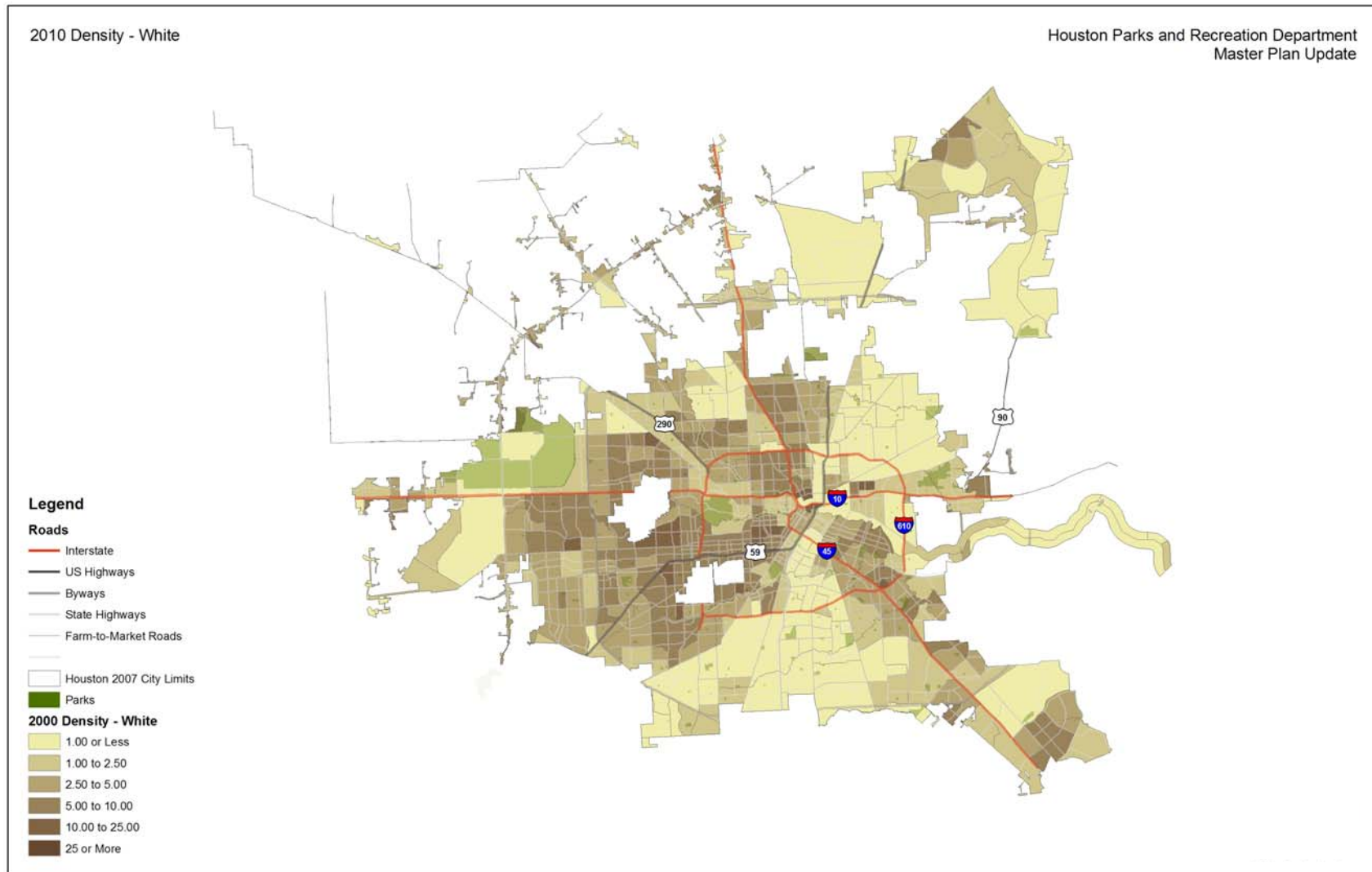
## 2010 TOTAL POPULATION DENSITIES (FIGURE 1-14)



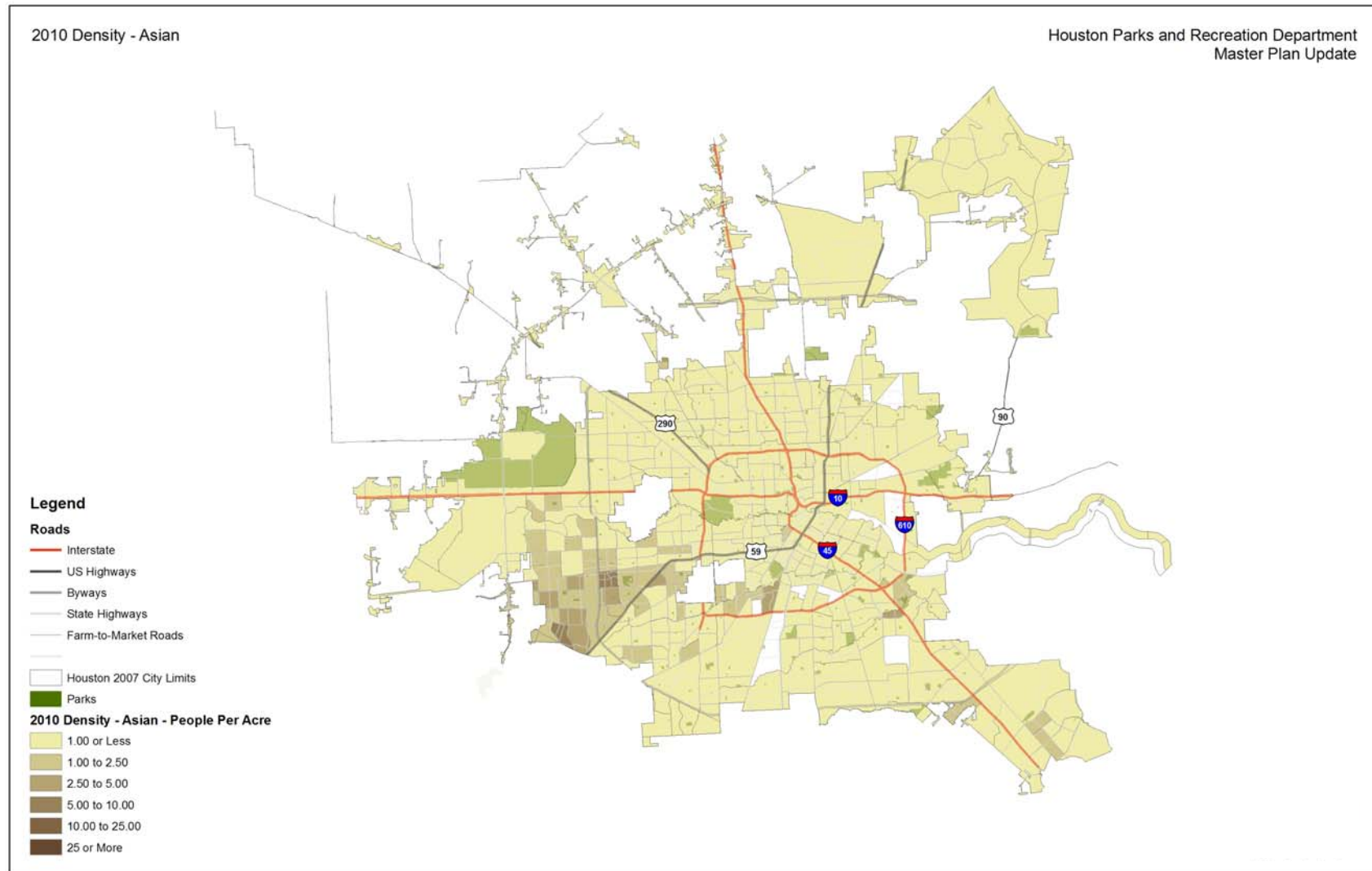
## 2010 BLACK POPULATION DENSITIES (FIGURE 1-15)



## 2010 WHITE POPULATION DENSITIES (FIGURE 1-16)

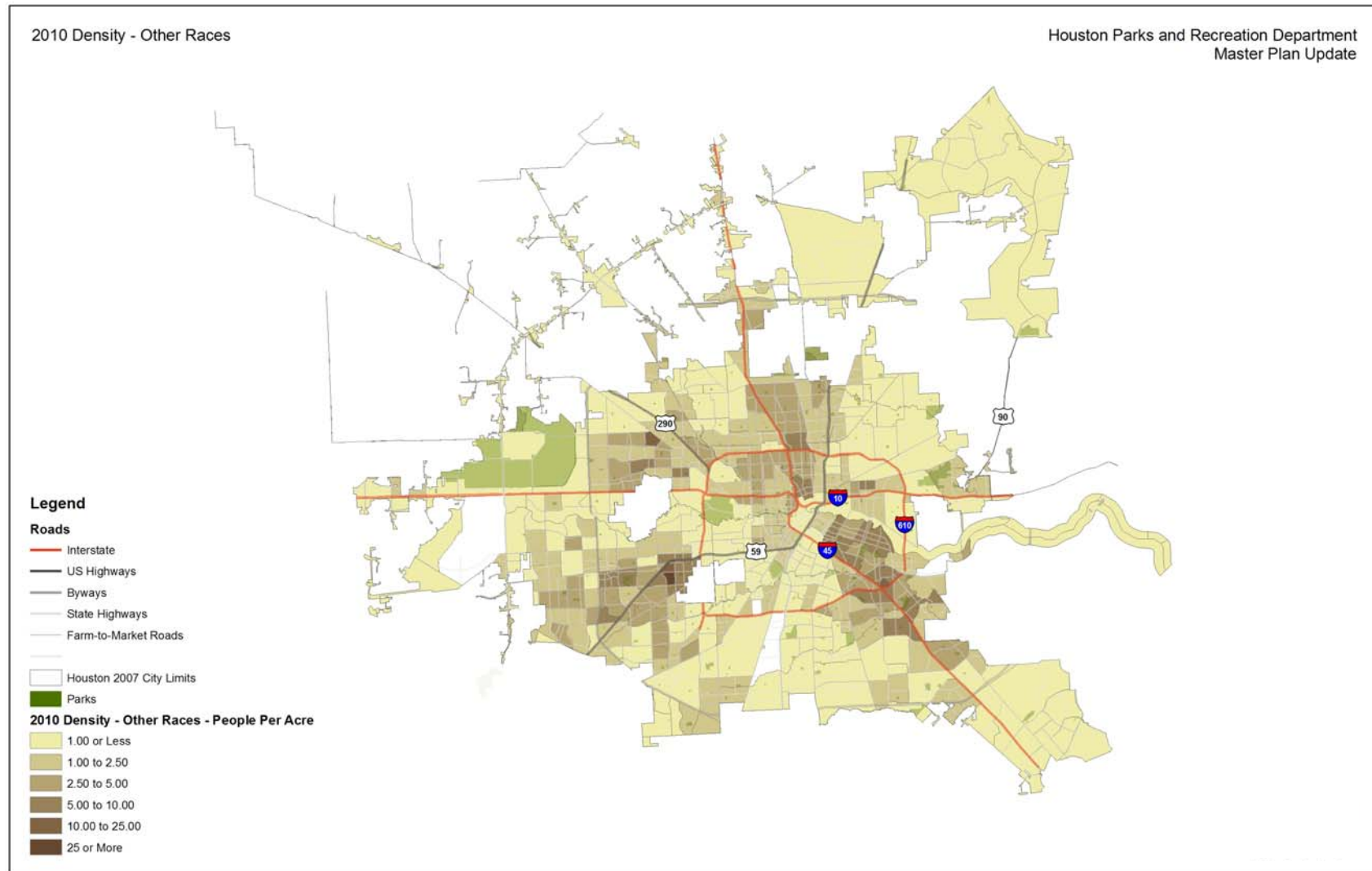


## 2010 ASIAN POPULATION DENSITIES (FIGURE 1-17)

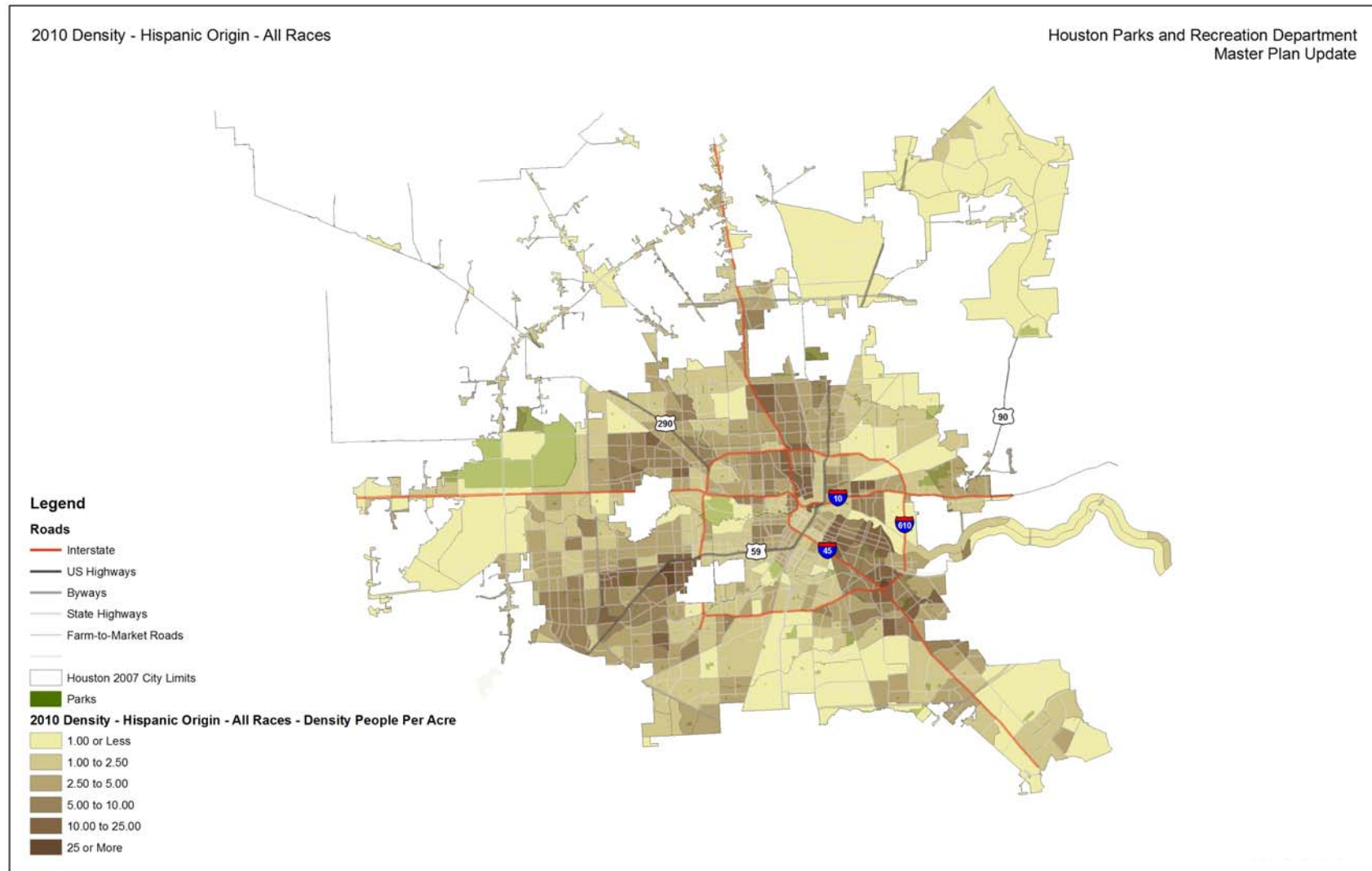




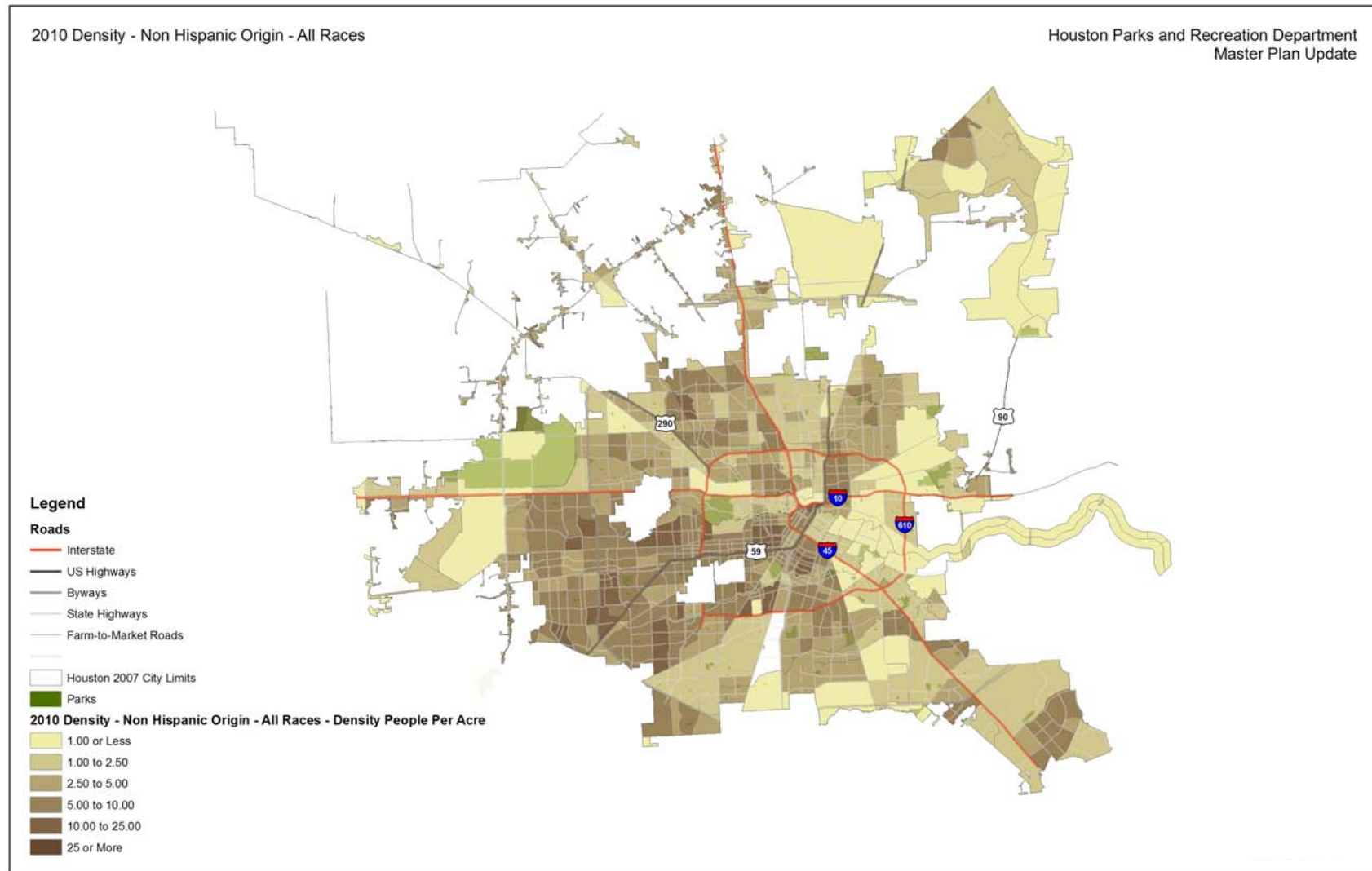
## 2010 OTHER RACE POPULATION DENSITIES (FIGURE 1-18)



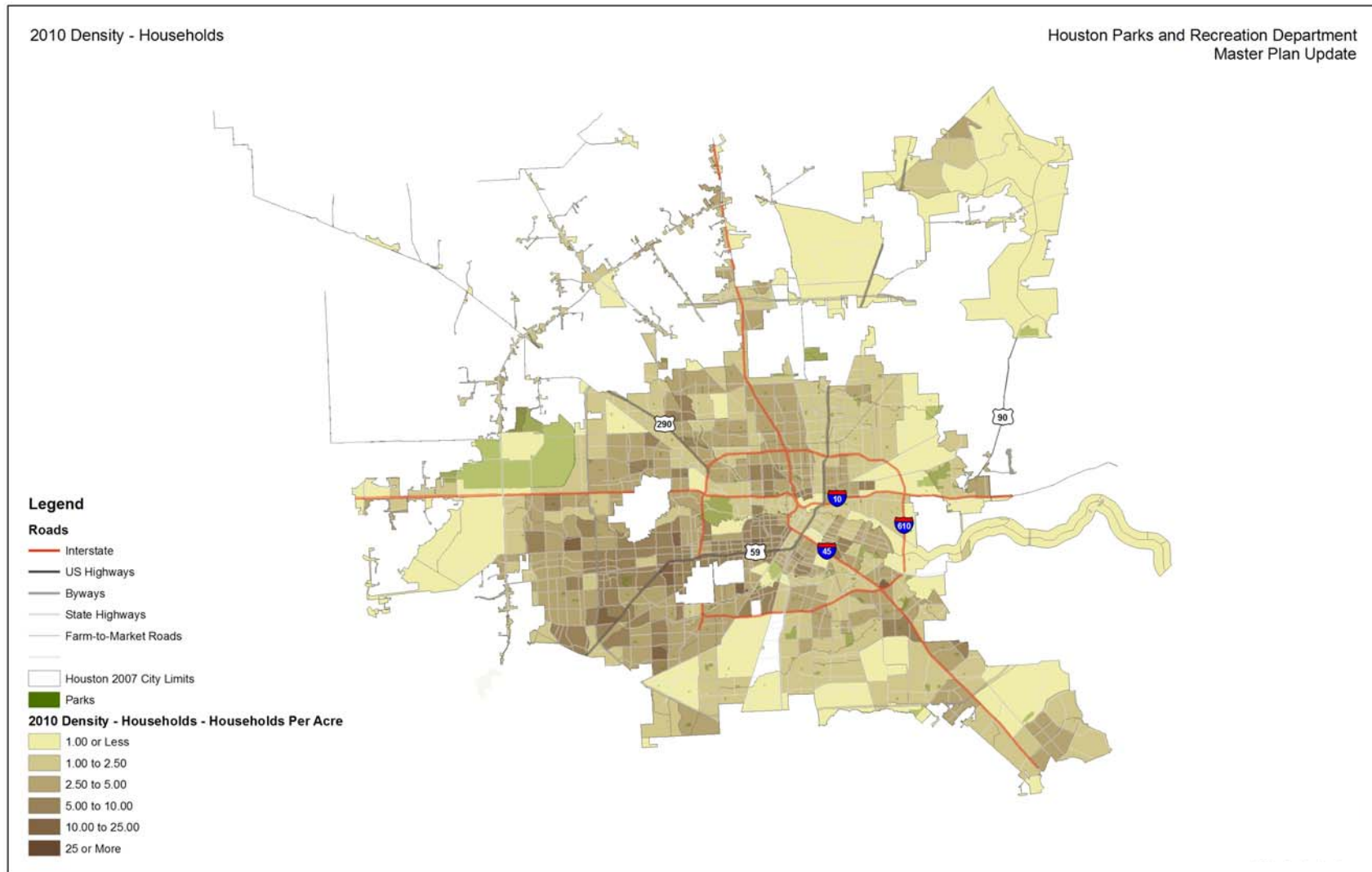
## 2010 HISPANIC POPULATION DENSITIES (FIGURE 1-19)



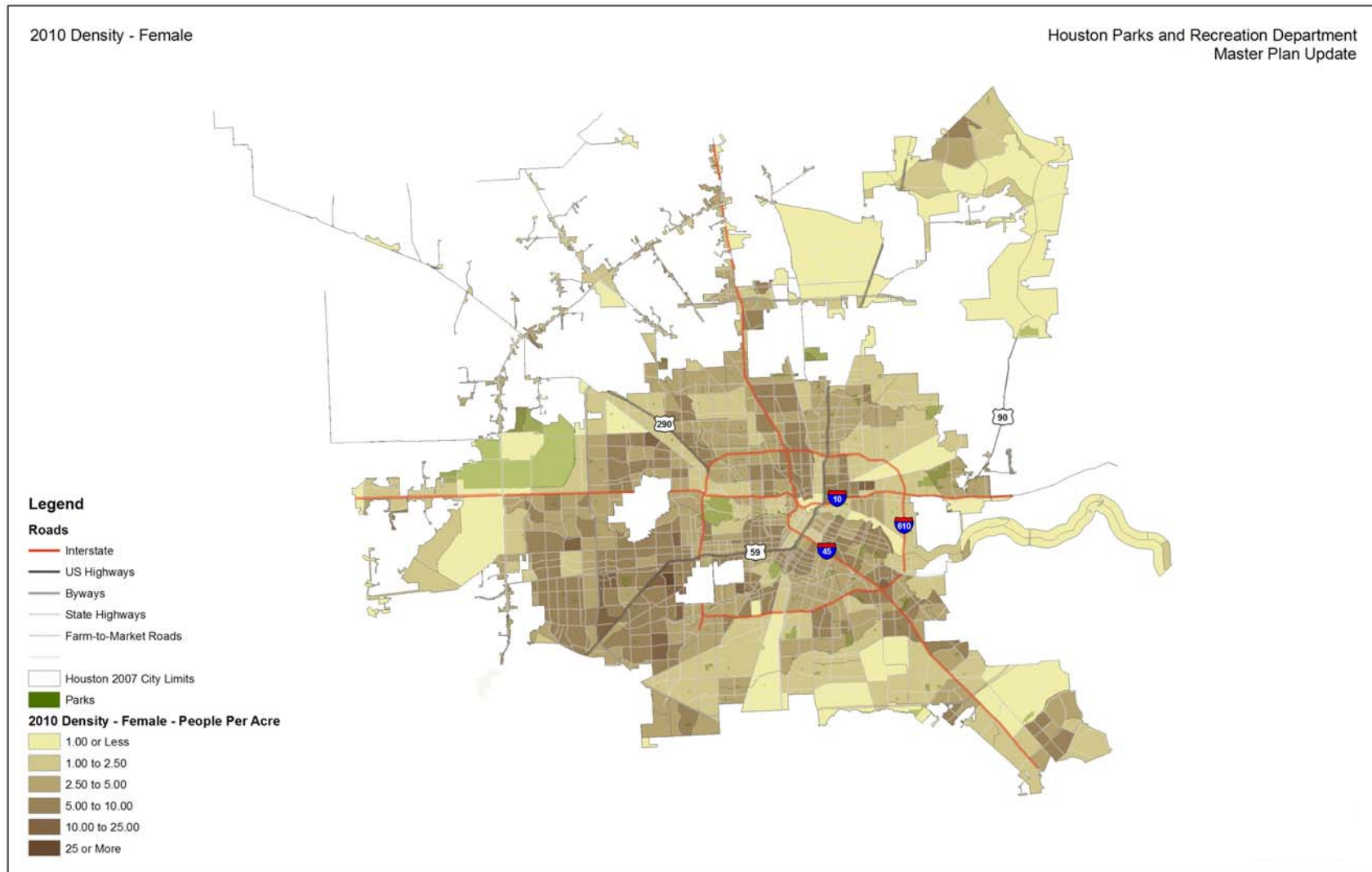
## 2010 NON-HISPANIC POPULATION DENSITIES (FIGURE 1-20)



## 2010 HOUSEHOLDS DENSITIES (FIGURE 1-21)

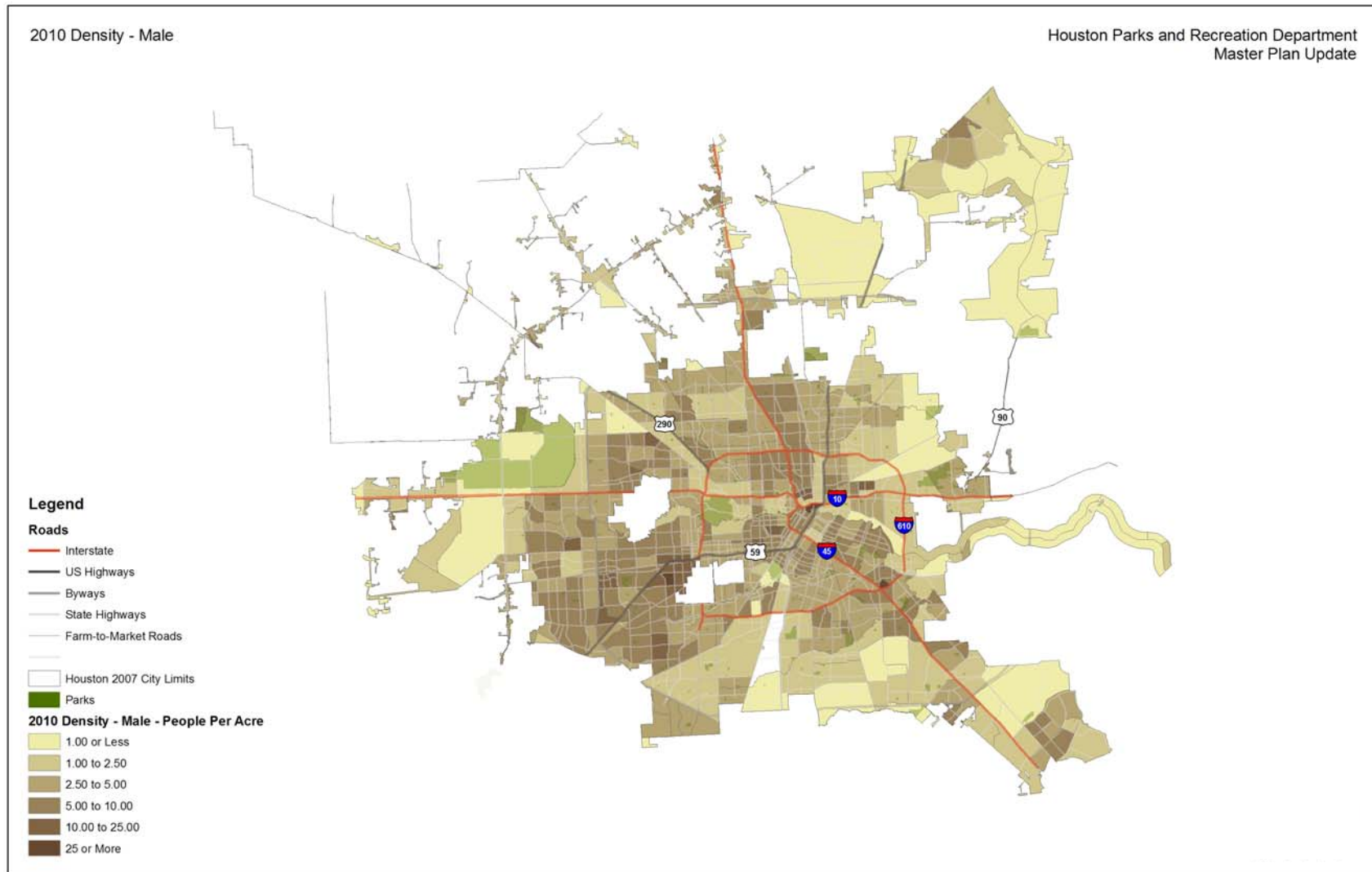


## 2010 FEMALE DENSITIES (FIGURE 1-22)

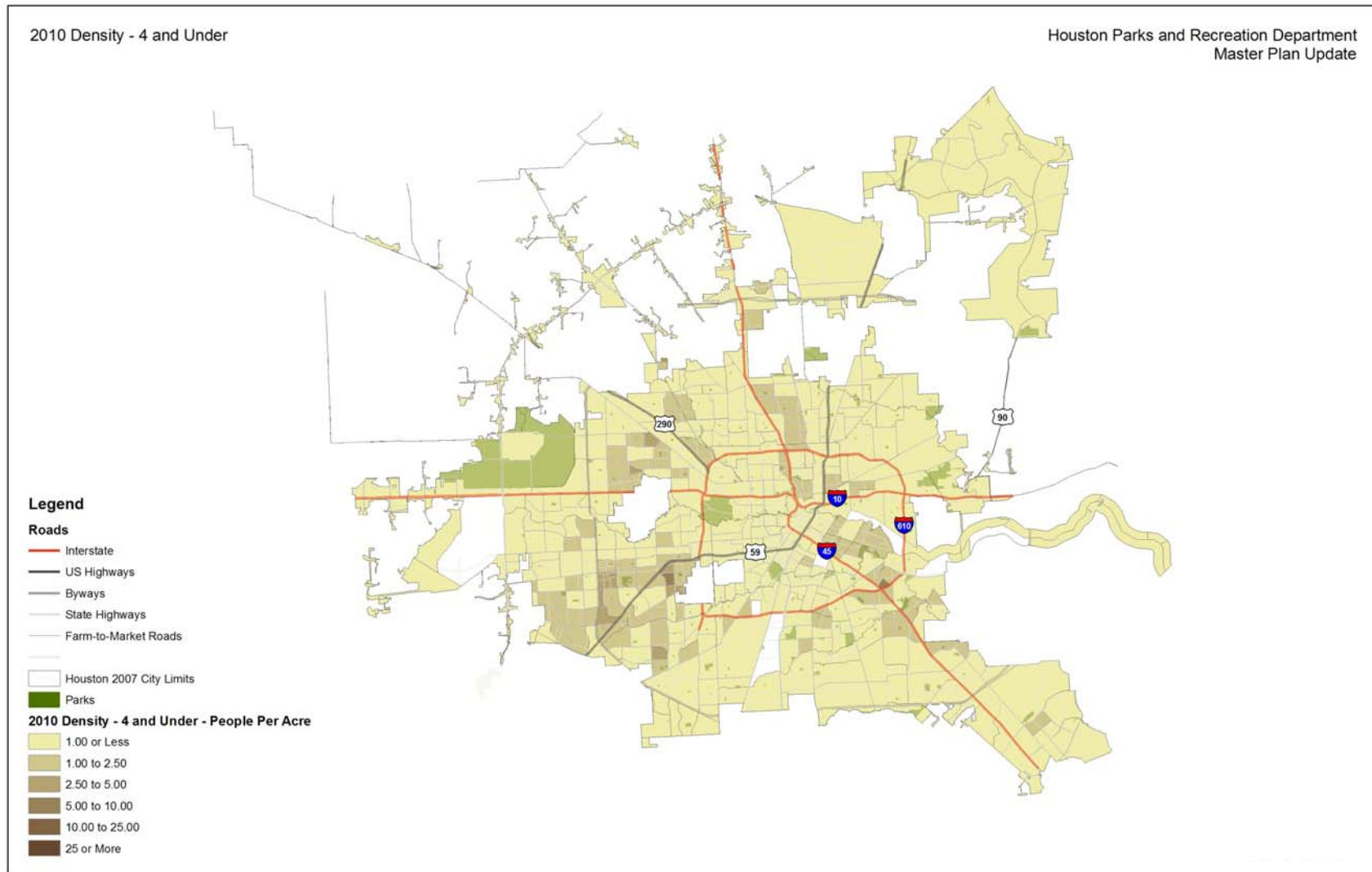




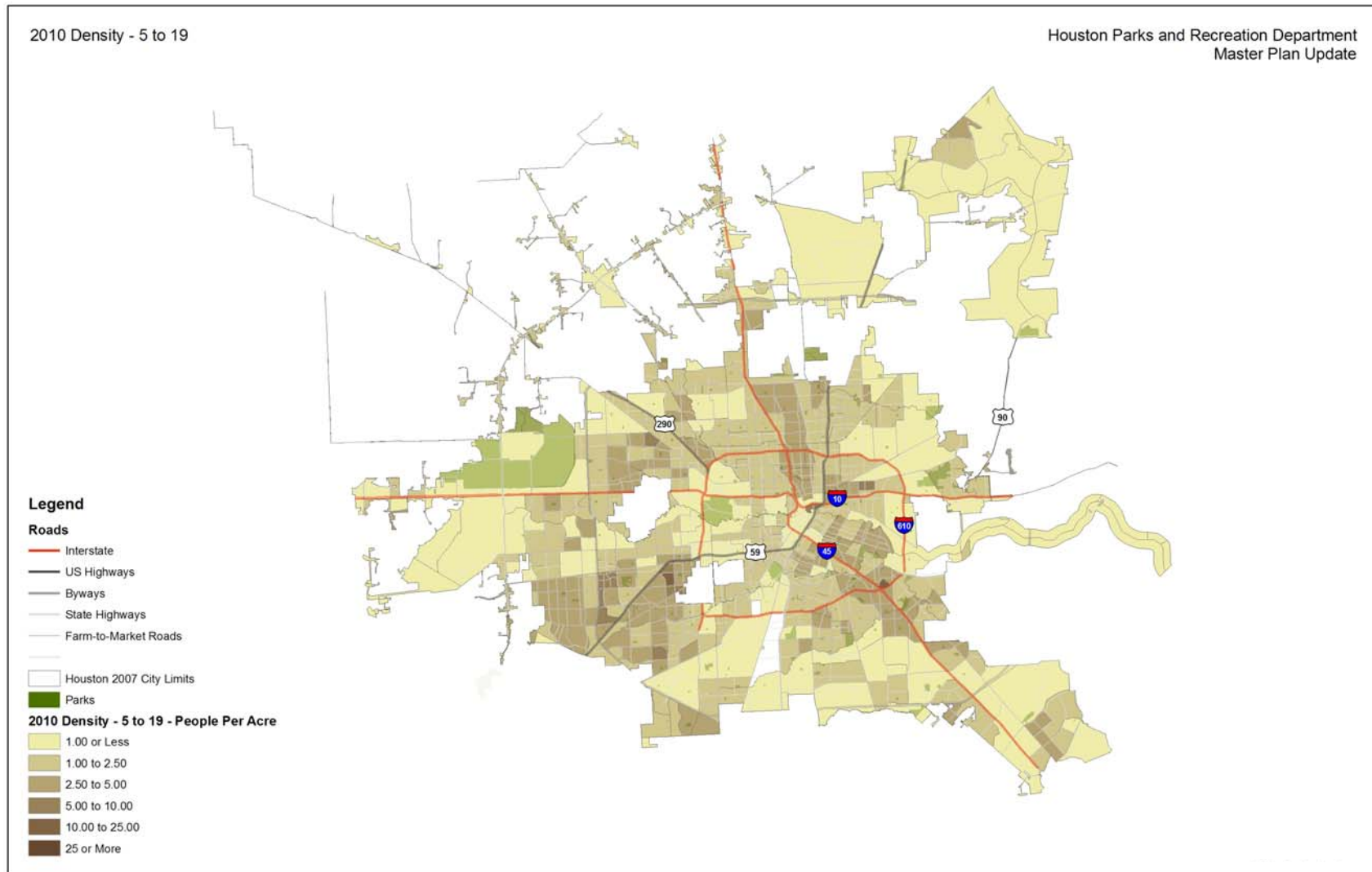
## 2010 MALE DENSITIES (FIGURE 1-23)



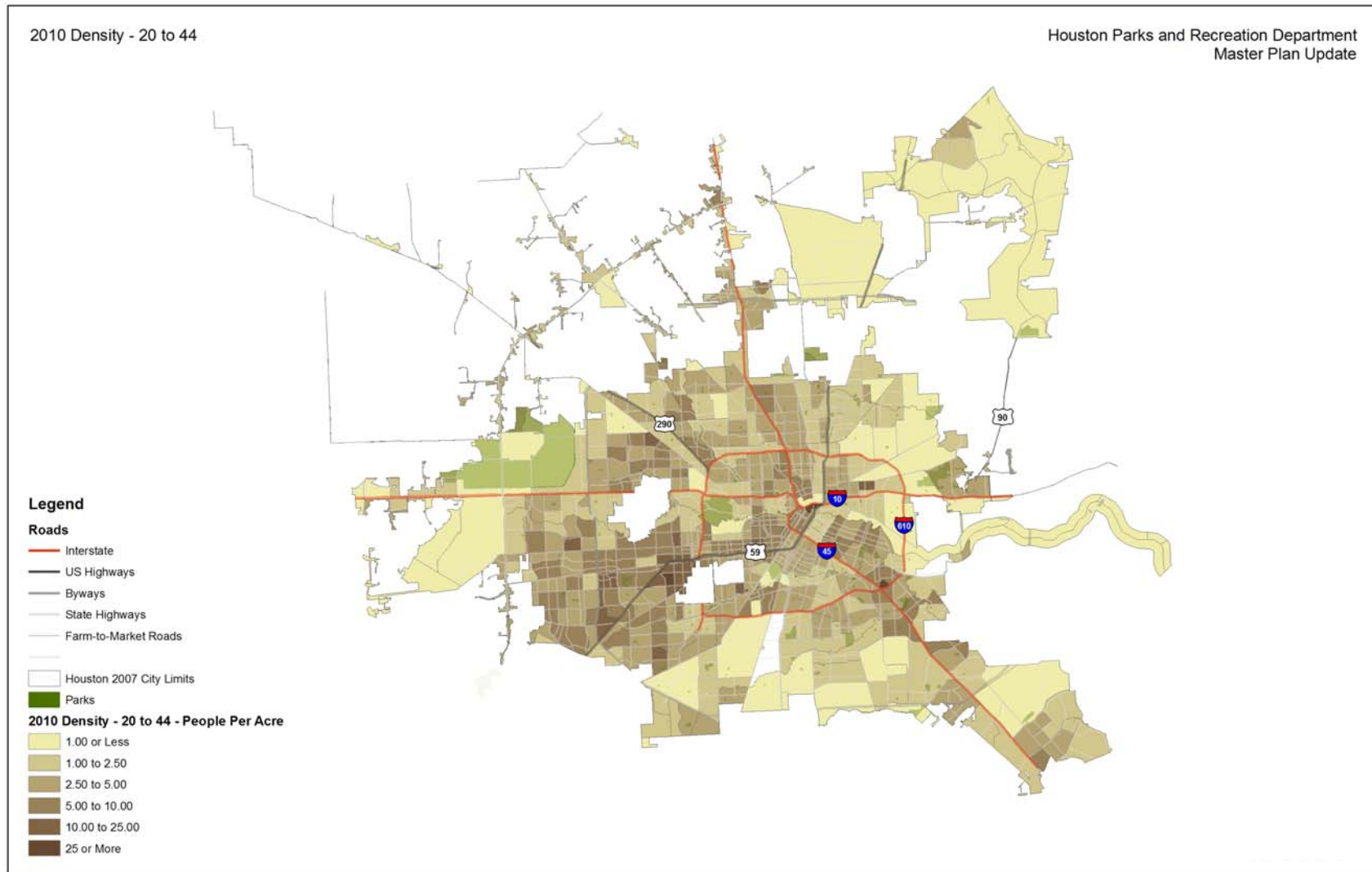
## 2010 AGE 4 AND UNDER DENSITIES (FIGURE 1-24)



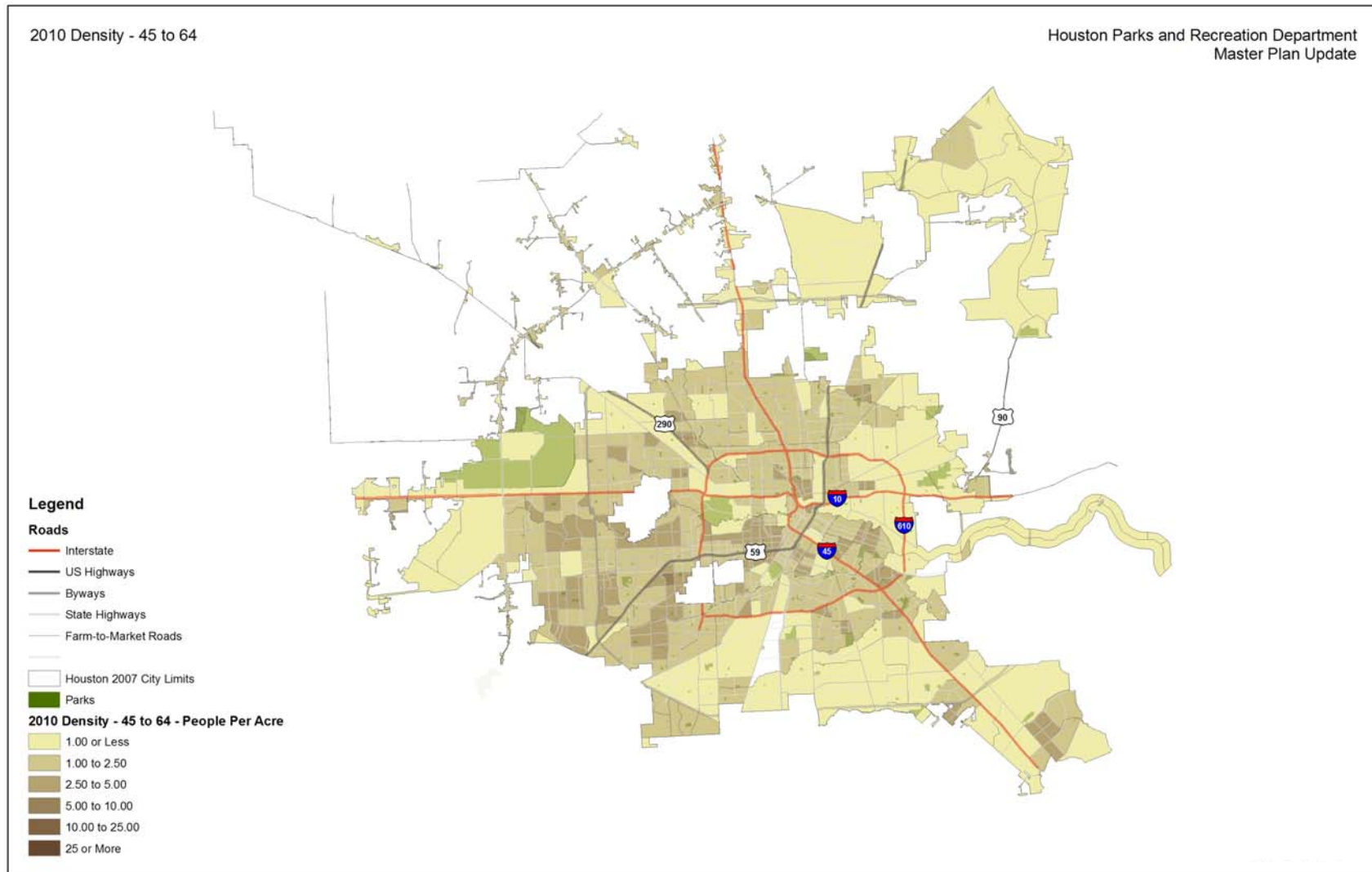
## 2010 AGE 5 TO 19 DENSITIES (FIGURE 1-25)



## 2010 AGE 20 TO 44 DENSITIES (FIGURE 1-26)

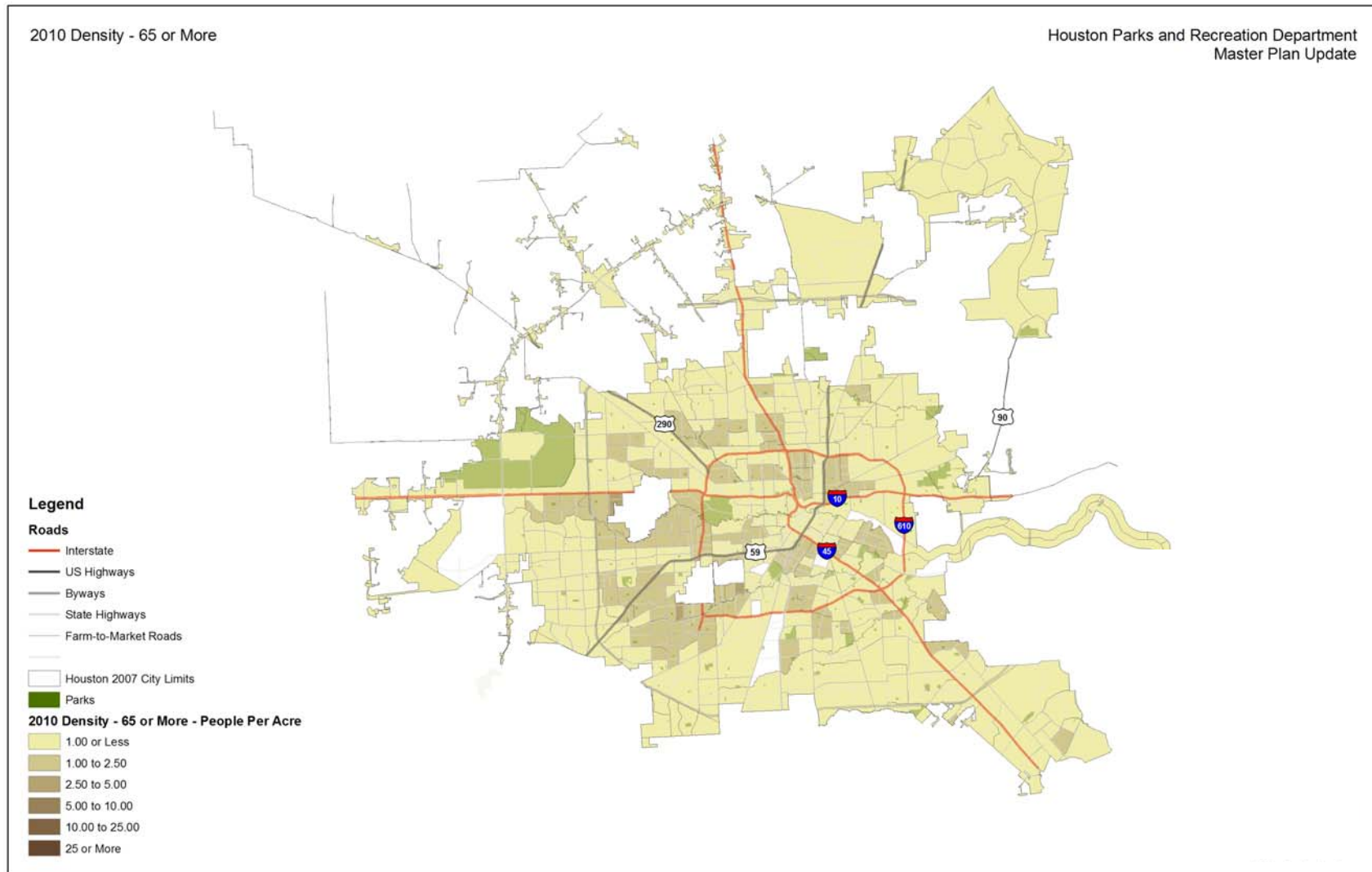


## 2010 AGE 45 TO 64 DENSITIES (FIGURE 1-27)

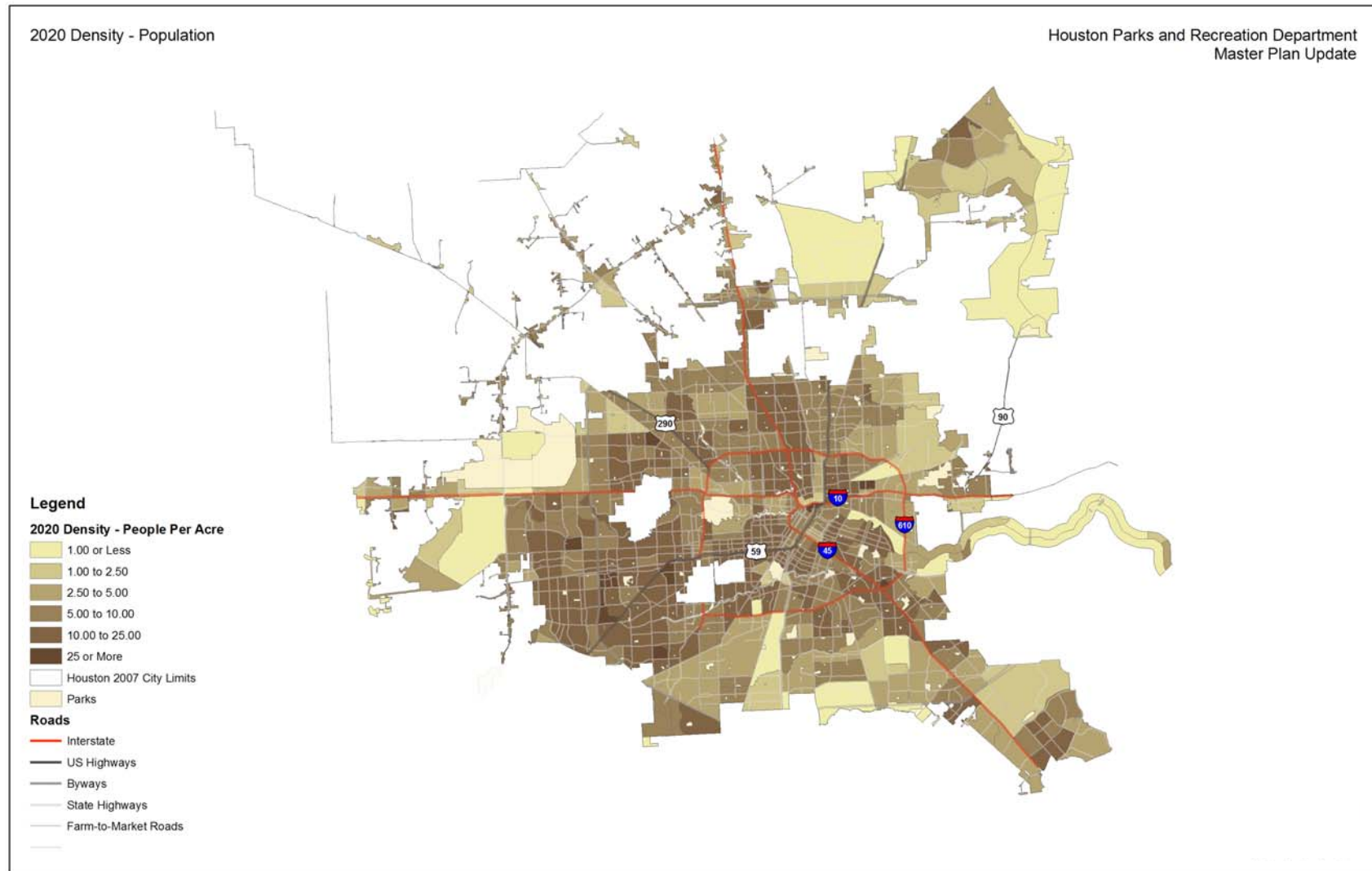




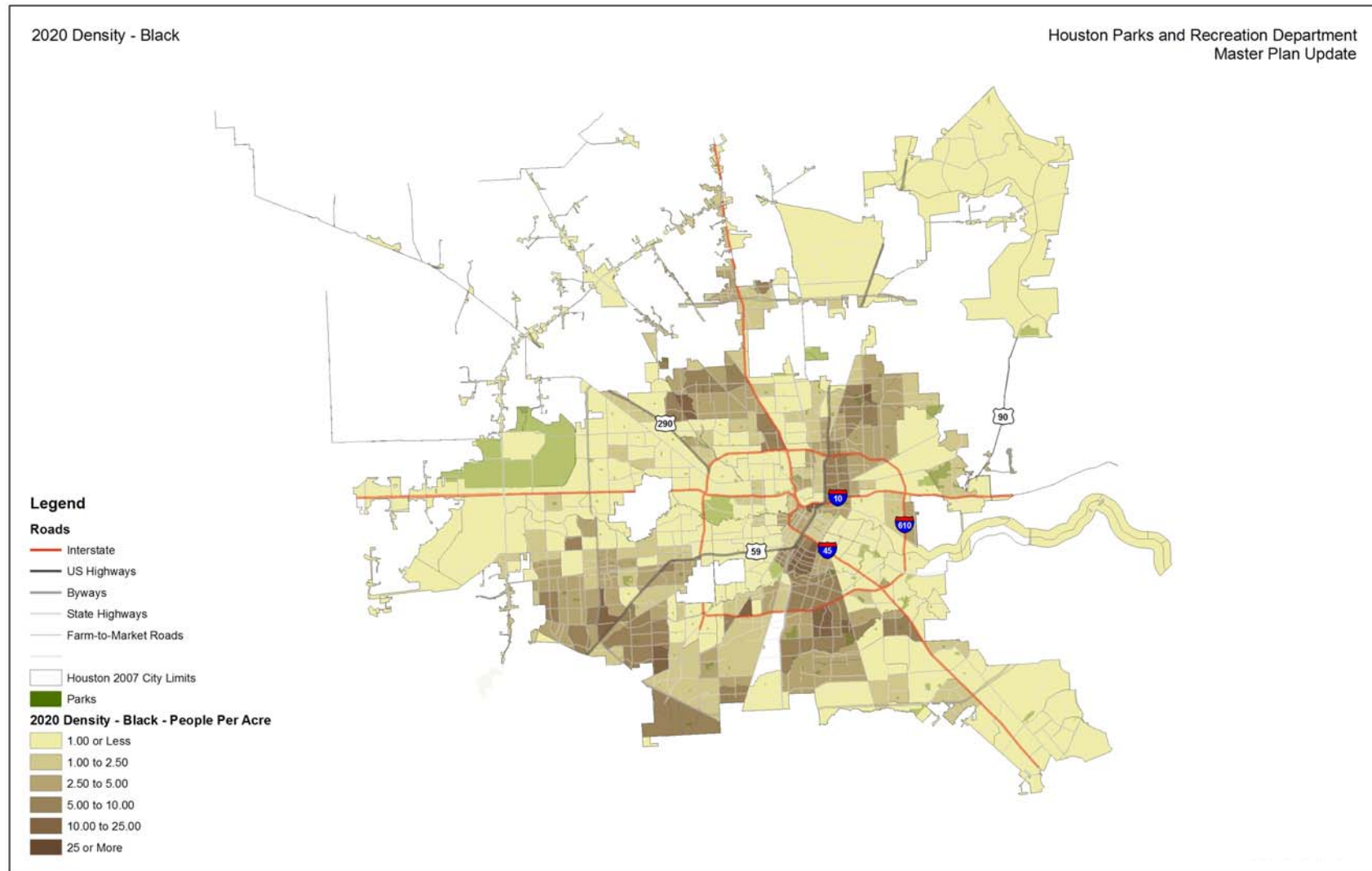
## 2010 AGE 65 AND OVER DENSITIES (FIGURE 1-28)



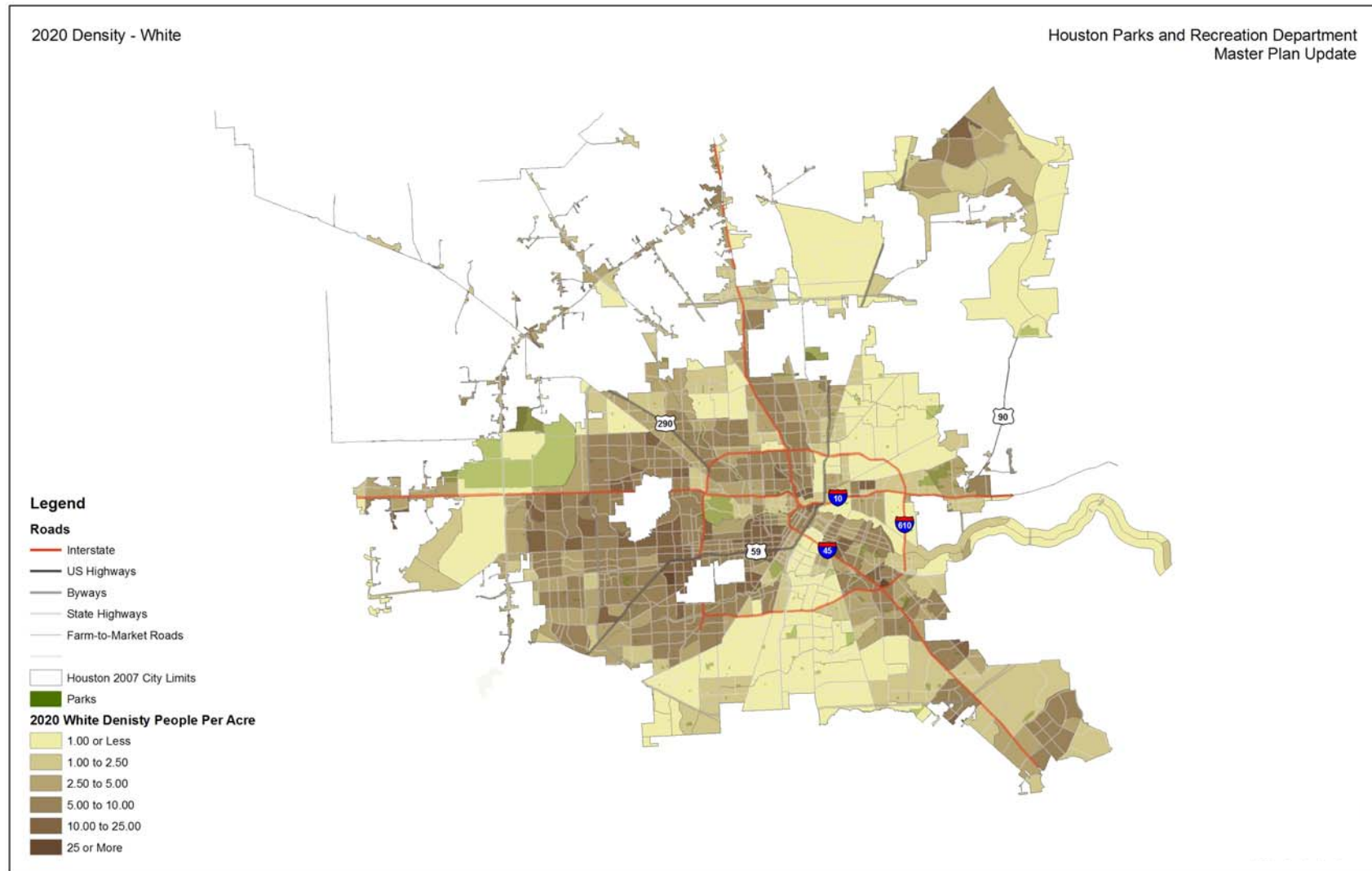
## 2020 TOTAL POPULATION DENSITIES (FIGURE 1-29)



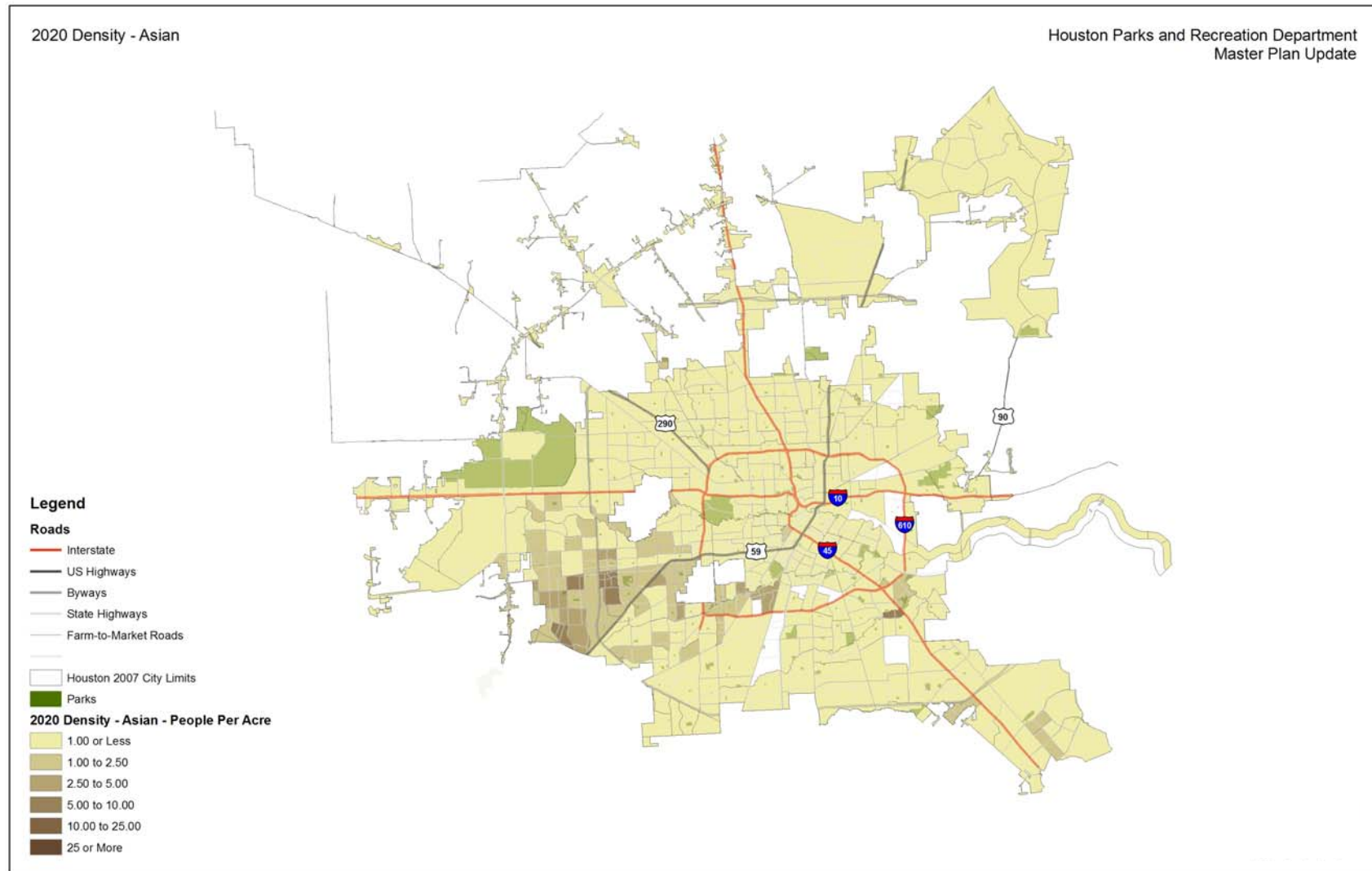
## 2020 BLACK POPULATION DENSITIES (FIGURE 1-30)



## 2020 WHITE POPULATION DENSITIES (FIGURE 1-31)

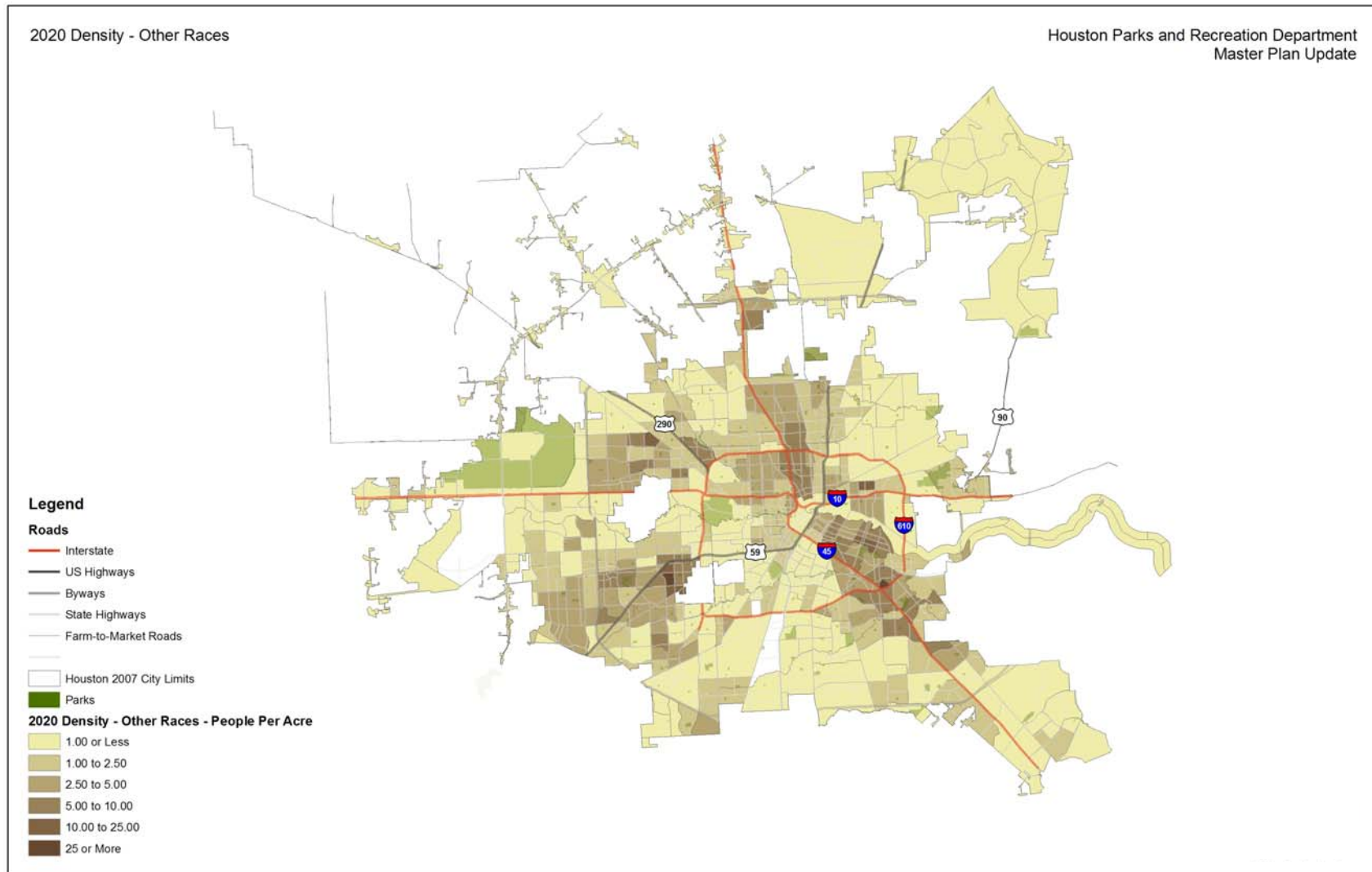


## 2020 ASIAN POPULATION DENSITIES (FIGURE 1-32)

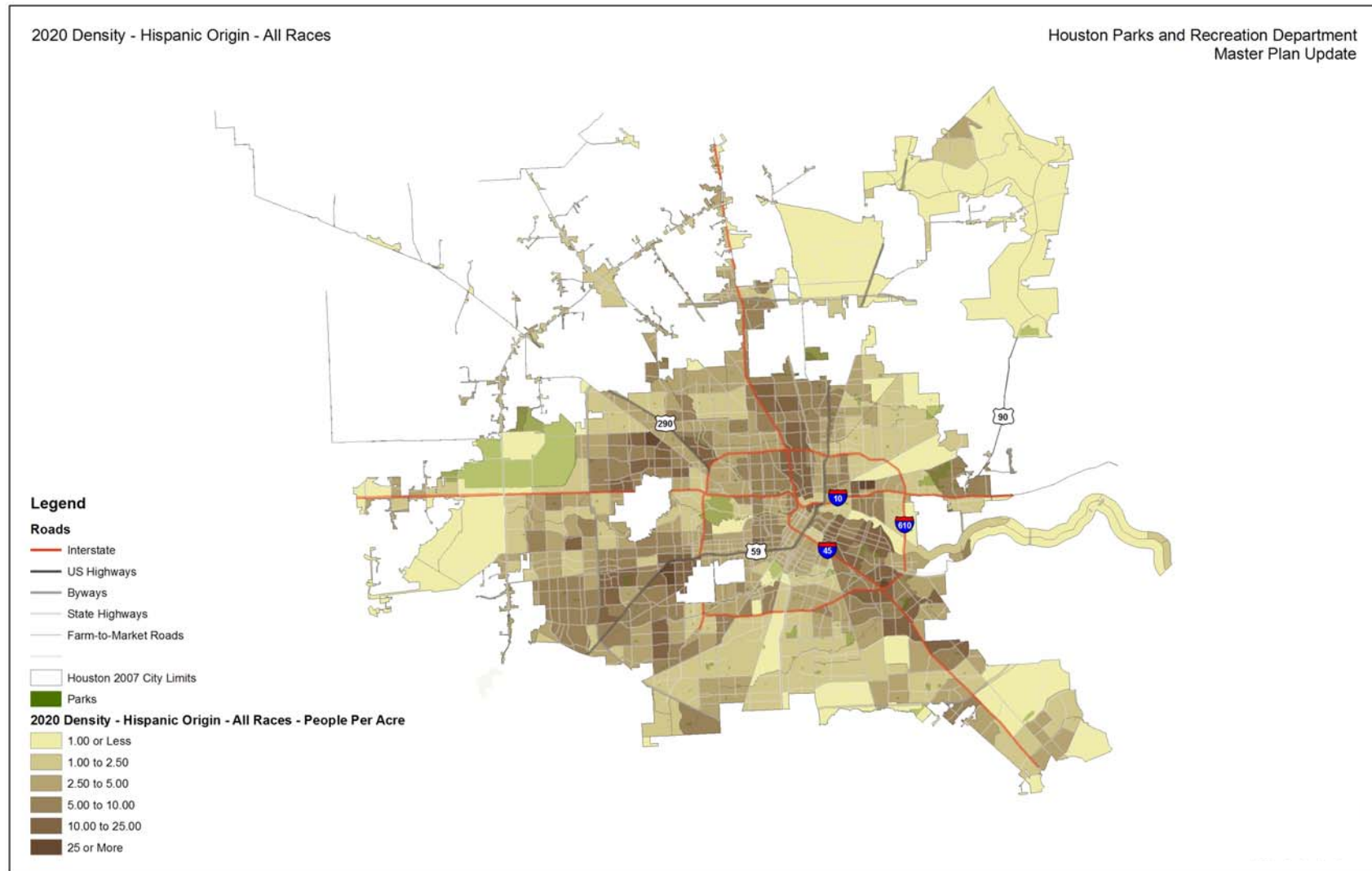




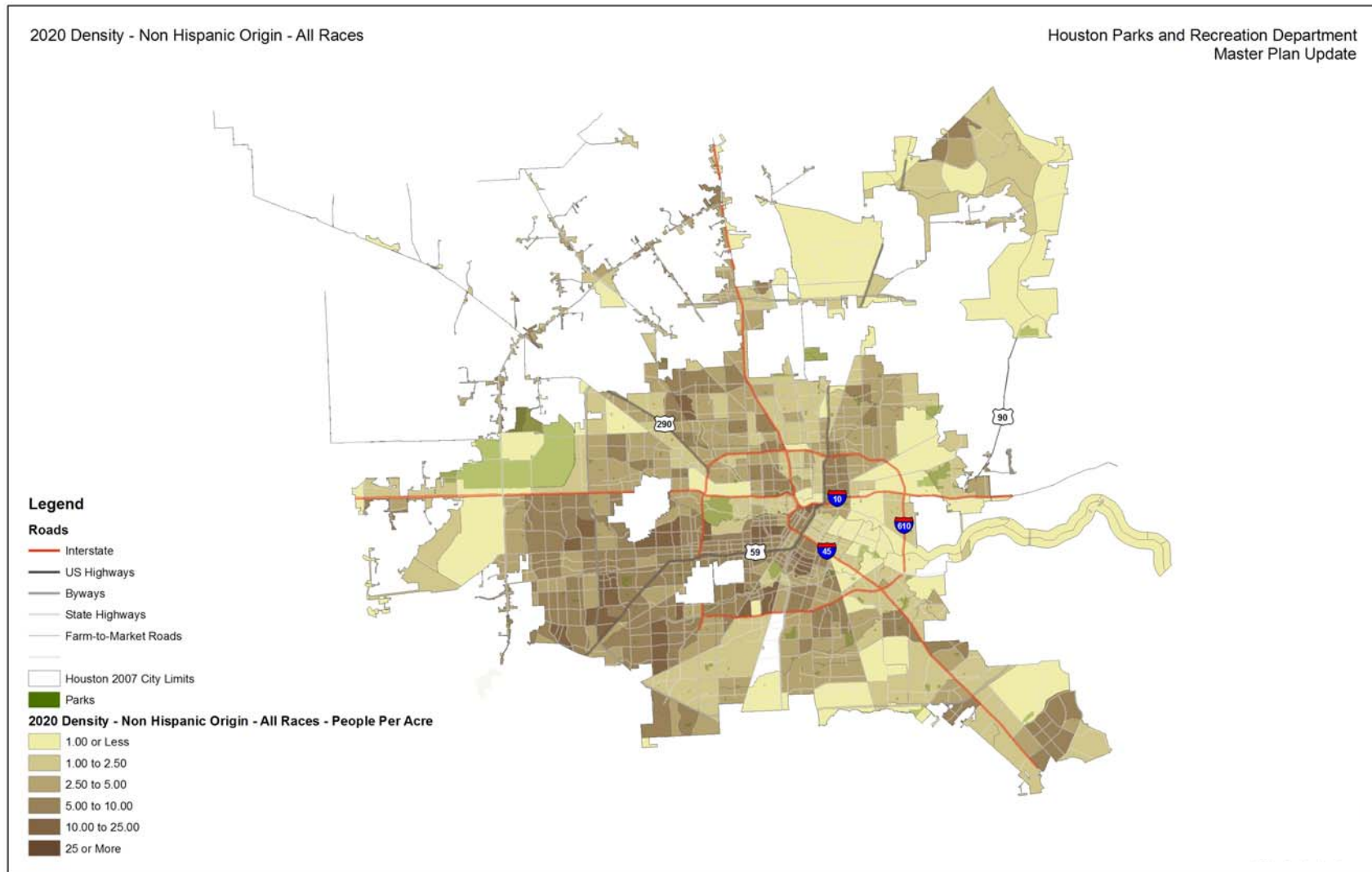
## 2020 OTHER RACE POPULATION DENSITIES (FIGURE 1-33)



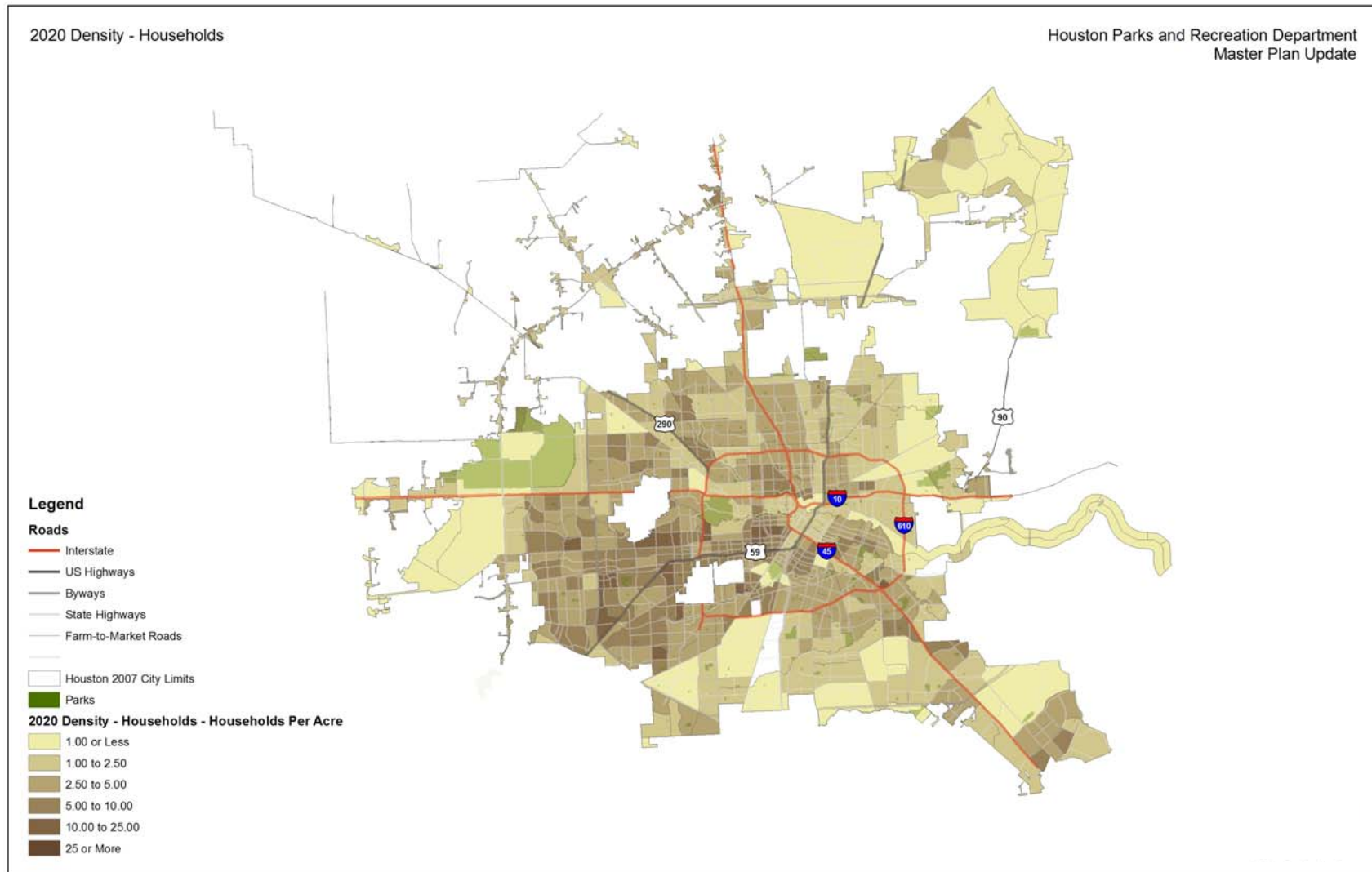
## 2020 HISPANIC POPULATION DENSITIES (FIGURE 1-34)



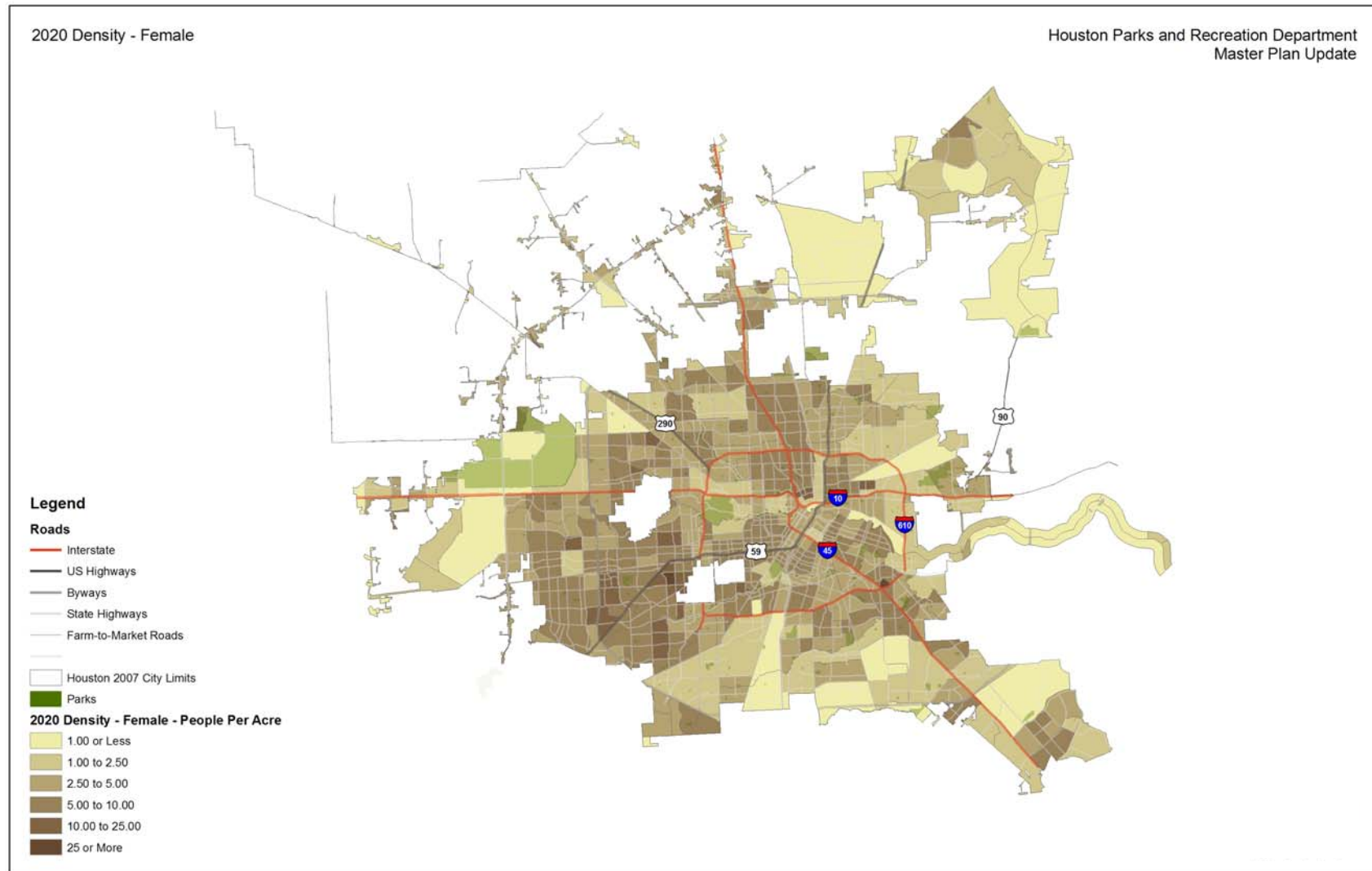
## 2020 NON-HISPANIC POPULATION DENSITIES (FIGURE 1-35)



## 2020 HOUSEHOLDS DENSITIES (FIGURE 1-36)

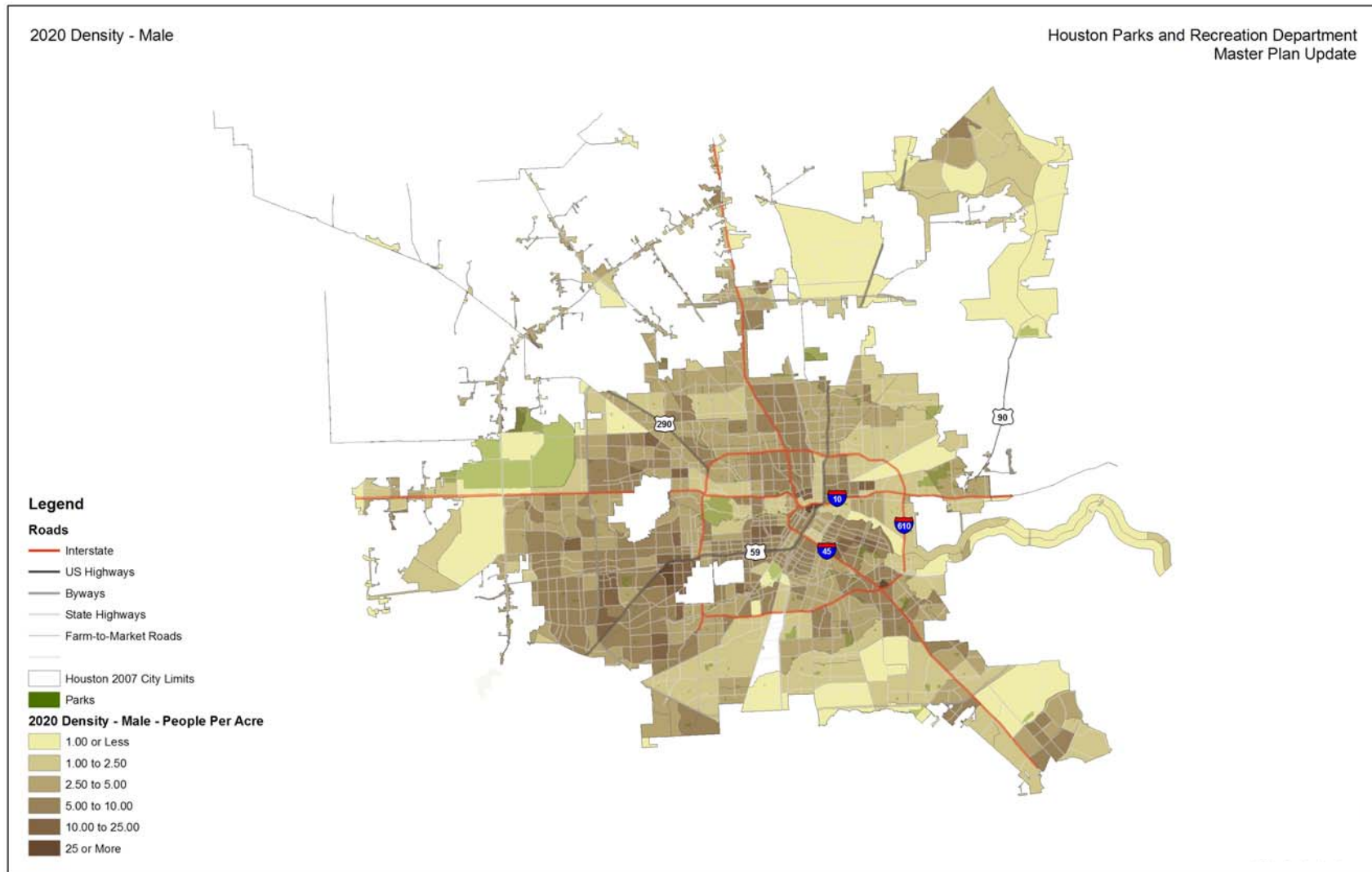


## 2020 FEMALE DENSITIES (FIGURE 1-37)

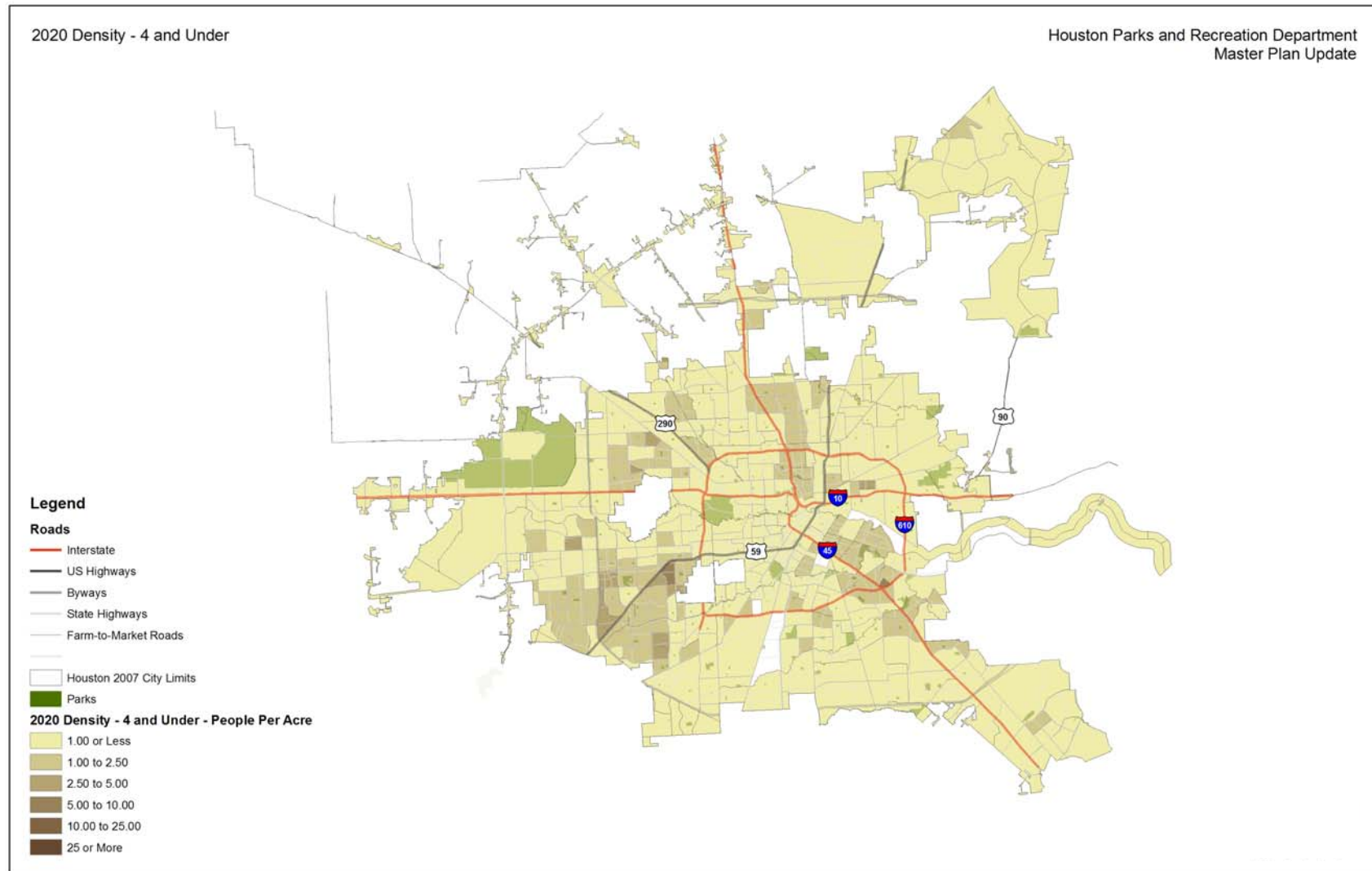




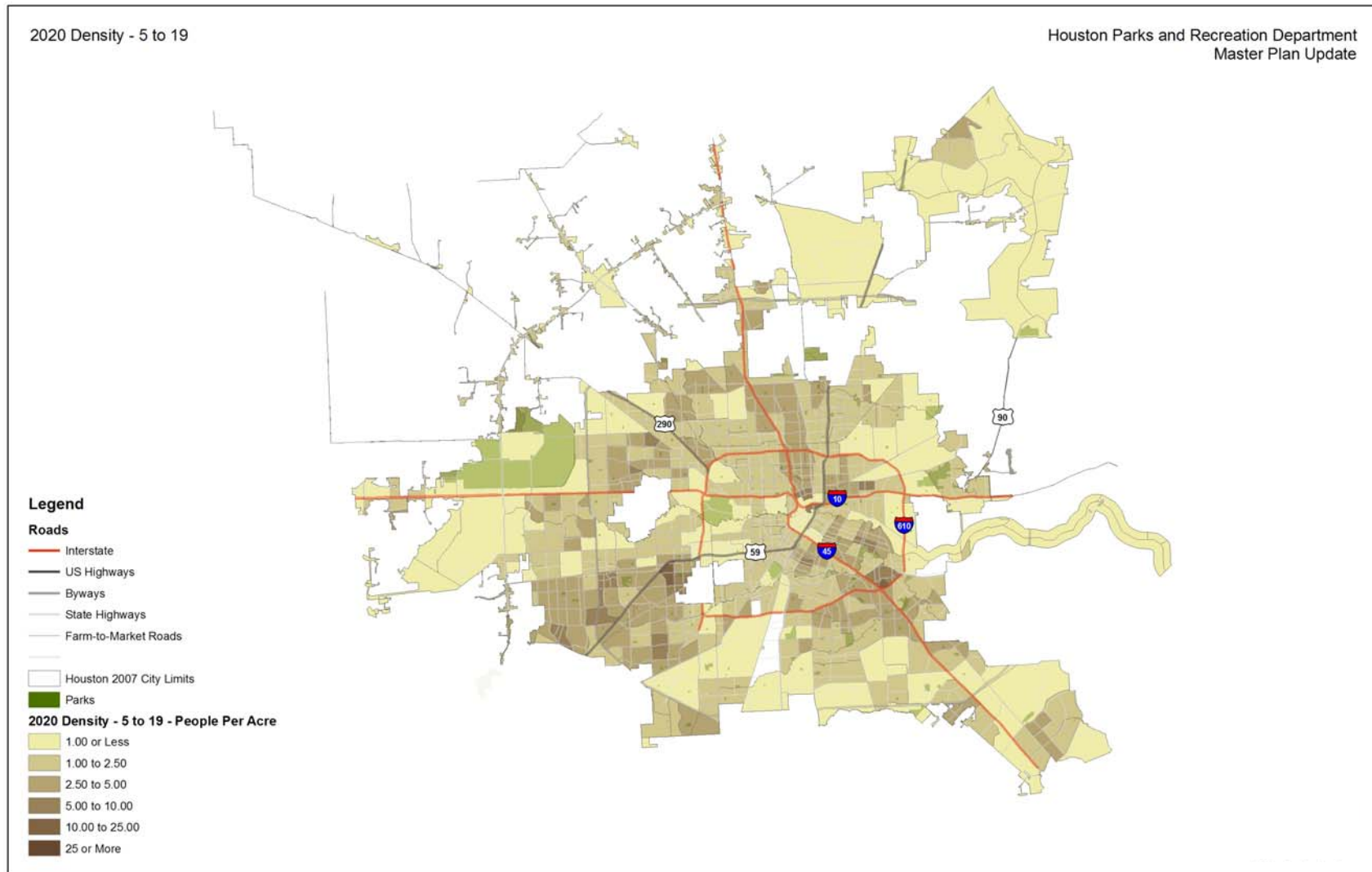
## 2020 MALE DENSITIES (FIGURE 1-38)



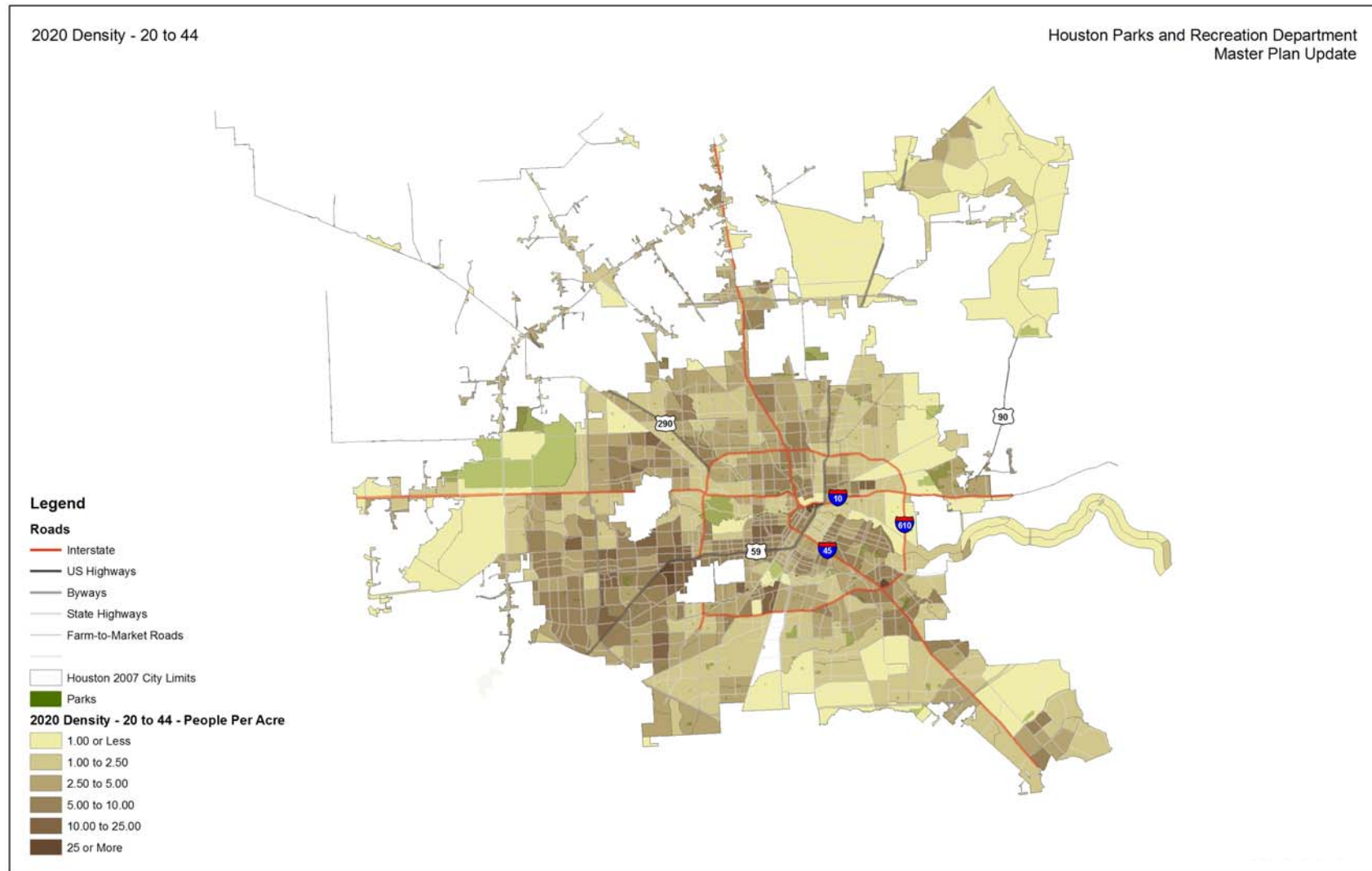
## 2020 AGE 4 AND UNDER DENSITIES (FIGURE 1-39)



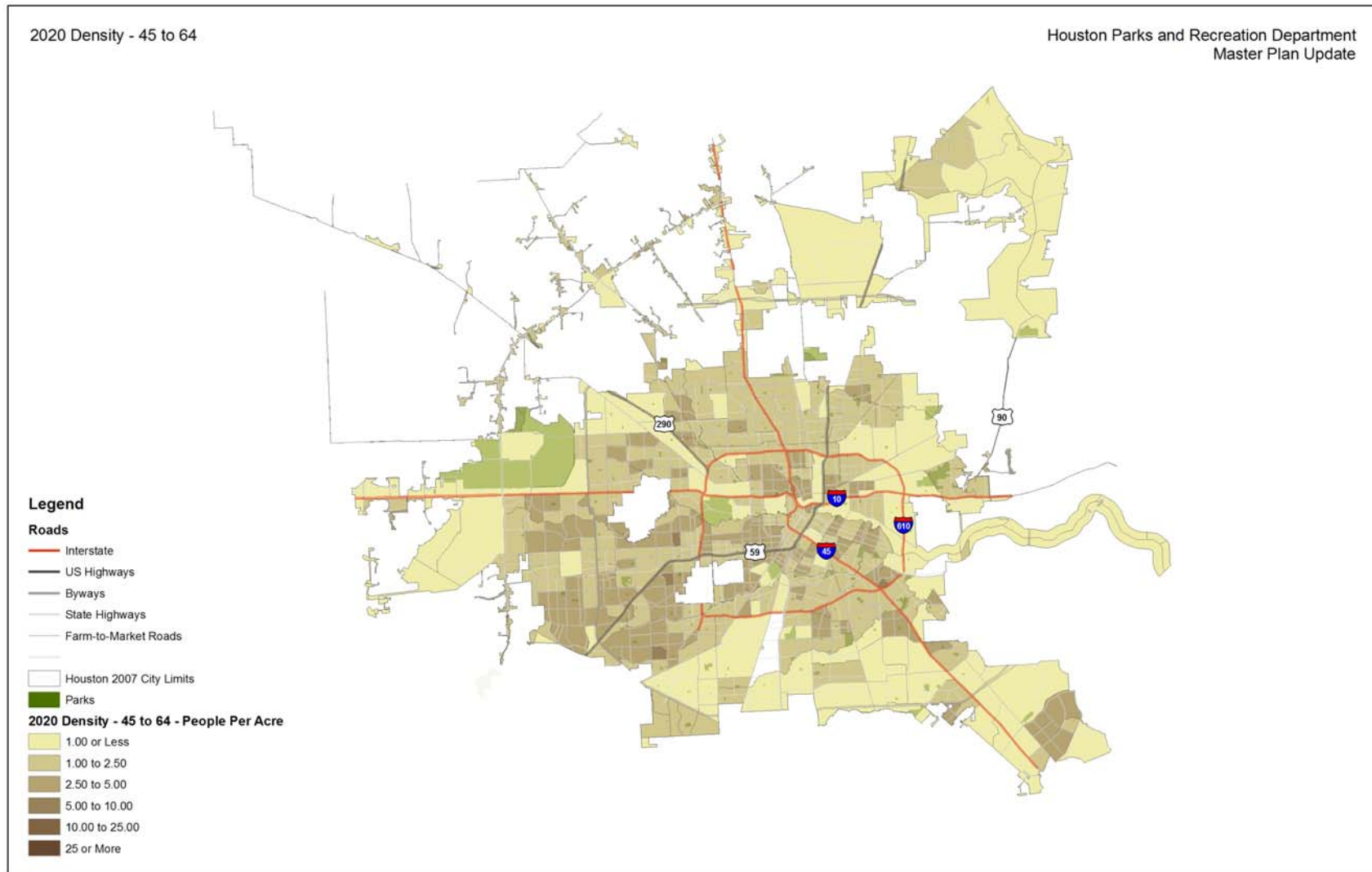
## 2020 AGE 5 TO 19 DENSITIES (FIGURE 1-40)



## 2020 AGE 20 TO 44 DENSITIES (FIGURE 1-41)

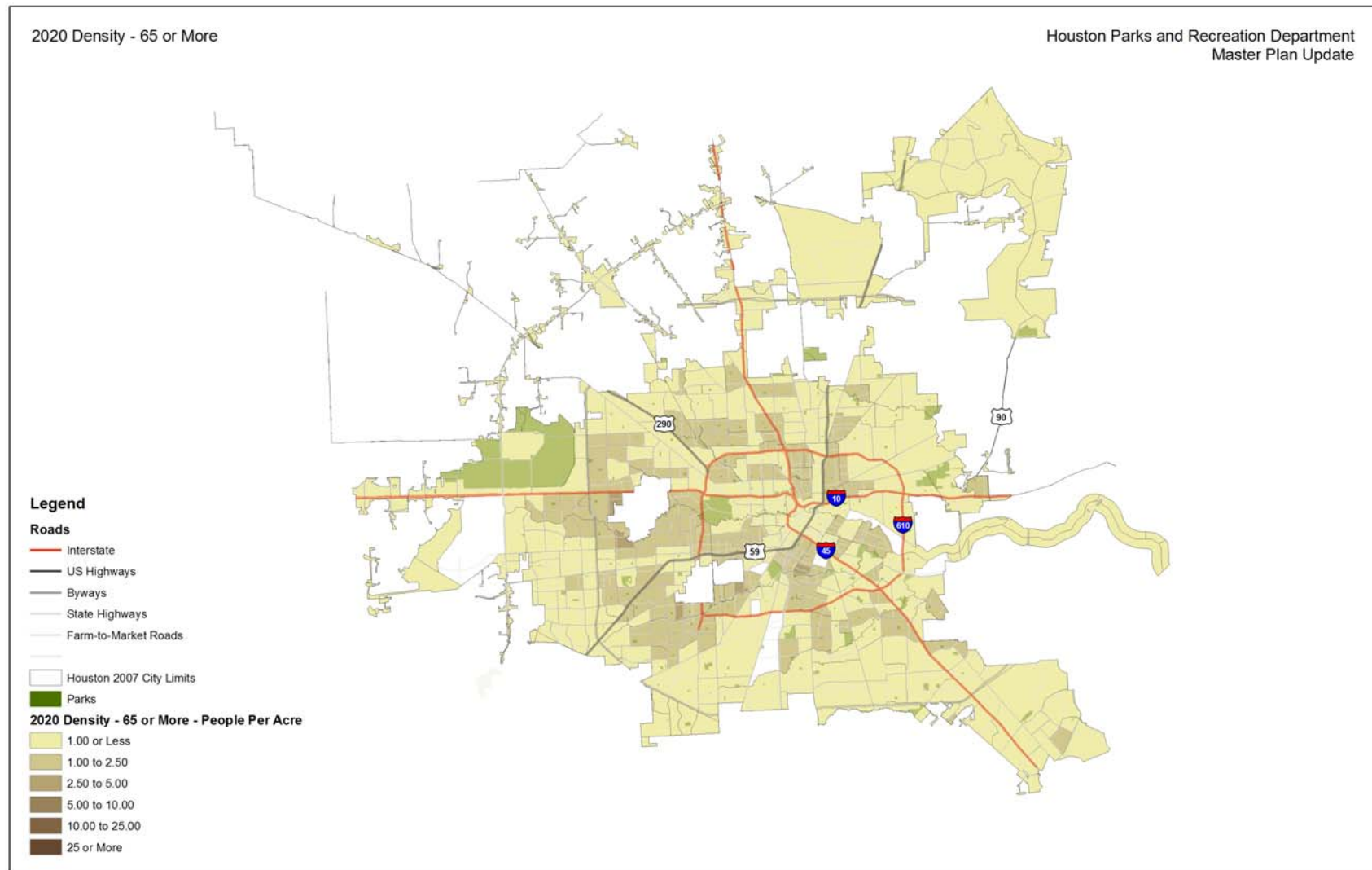


## 2020 AGE 45 TO 64 DENSITIES (FIGURE 1-42)





2020 AGE 65 AND OVER DENSITIES (FIGURE 1-43)



## APPENDIX 2 - TRAILS OVERVIEW

It is not possible to talk about a City of Houston trail system without thinking regionally. While there are many miles of trails built or planned within the city limits it is only through partnerships with other public entities that a comprehensive trail system can be planned, developed and maintained. While many of the trail corridors follow our bayous and creeks it is equally as important to plan for the connections that will link the various waterways together and provide a safe and thorough system of trails for recreation, connections and commuting.

Below is a brief explanation of the many trails and organizations that have taken on the responsibility of trail development. Cooperation and partnerships are crucial for the continued growth of the system which will benefit all within the region.

### GREENWAY FOCUS

The Houston Parks Board's focus for Greenway (trails) development is centered on the bayou systems including Sims, Brays, White Oak, Halls, Greens and Hunting Bayous. Their efforts in promoting and acquiring land and ultimate development of these greenway corridors should be embraced by HPARD and money set aside where needed to help these projects come to fruition. The Parks Board has been successful in acquiring more than just a right of way along the bayous; they have acquired parkland to serve not only for trail access but for the development of a park corridor along some of these waterways.

### BRAYS BAYOU GREENWAY

The Houston Parks Board has completed acquisition of the land along Brays Bayou between the Houston Ship Channel and Gus Wortham Park for phase I of the Brays Bayou Greenway. Phase II which the Parks Board is currently working on includes acquisition of land between Gus Wortham Park and MacGregor Park. Money is needed for the design and construction of this trail. Once completed these trails will extend the Brays Bayou trail system from Bissonnet Street on the west to the Houston Ship Channel with a potential to further develop this trail by tying into the Terry Hershey and George Bush Trails providing access from the west edge of the city and into far western Harris and northern Fort Bend Counties to the far east side of the City of Houston.

### SIMS BAYOU TRAIL

The US Army Corps of Engineers has a 14 mile trail project along Sims Bayou from just west of IH-45 connecting five existing parks (Townwood, Scottcrest, Law, Stewart and Reveille Parks) and one proposed park (Hill at Sims Greenway) and ending at Croquet Street west of South Post Oak.

The Bayou Partnership Association shows a Paddle Trail on Sims Bayou from Reveille Park on the west to Milby Park on the east with Glenwood Park, Charlton Park and Sims Bayou Urban Nature Center as an intermediate stop.

Additionally, The Houston Parks Board is in the planning stages to develop a 9 mile trail from Law Park on the west to Milby Park on the east.

## BUFFALO BAYOU TRAIL

Two miles of new hike and bike trails link the Allen Parkway and Memorial Drive trails to Sesquicentennial Park behind the Wortham Theater downtown. There are also canoe launches at Sabine Street and the Parking Lot H. The Buffalo Bayou Partnership has also opened the city-funded Northside Trail connecting the Theater District and Sesquicentennial Park to the University of Houston Downtown.

The organization's master plan, "Buffalo Bayou and Beyond" calls for trails from Shepherd to Lockwood Drives and is promoting and funding trail in east of downtown. The land along the bayou east of downtown is almost all in private hands today. These private landowners are banding together to give small parcels of the land to the city for hike and bike trails. As of spring of 2004, almost 4 miles of trails have been built along the bayou on private lands just east of downtown. Dozens of volunteers have helped plant more than 100 native trees along the new trails. The trails will officially open to the public in the spring.

Houston Ship Channel which includes the East and West Heritage Trails and would tie into the White Oak and MKT Trails heading northwest the East and West Heritage Trails and would tie into the White Oak and MKT Trails heading northwest from downtown. Portions of this trail system are in place and others need land acquisitions and construction. The section of the trail between Sabine Street and Shepherd Drive is in desperate need of being expanded and rebuilt to handle the existing pedestrian and bicycle traffic.

## TERRY HERSHEY TRAIL AND GEORGE BUSH PARK (BUFFALO BAYOU – WEST HOUSTON)

Existing along Buffalo Bayou west of Beltway 8 is the Terry Hershey Trail creating a link to the west at State Highway 6 tying into the trail system in George Bush Park. These two trails systems contain over 17 miles of trails through the far western areas of the city. They are both built and maintained by Harris County, yet serve residents of west Houston and provide recreational activities for a far greater area of Houston. With the cooperation of TxDOT in the redesign of IH-10 a trail connection is possible under the freeway tying Terry Hershey Trail into the trails through Addicks Reservoir and Bear Creek Park.

## WESTCHASE DISTRICT TRAIL

The Westchase District Trail North is a 4 mile multi-use trail that runs along a green space west of Beltway 8. The trail begins south of Buffalo Bayou and ends at Richmond. The trail connects to the existing on-street bikeways at Briar Forest, Walnut Bend, and Wilcrest. A south segment is planned from Richmond to Brays Bayou. Due to land ownership issues along Buffalo Bayou between Beltway 8 and Shepherd Drive the continuation of the Buffalo Bayou trail is not possible therefore the north/south connection of the western portion of the Buffalo Bayou trail (Terry Hershey trail) and Brays Bayou will allow for connections from the far western reaches of the city to downtown and on to the Houston Ship Channel.

## CULLEN TO BUSH PARKS TRAIL CONNECTION

The Houston Parks Board is proposing to construct an approximate 1 mile trail connection to link over 17 miles of trails in George Bush/Terry Hershey trail system to over 7 miles of Cullen/Bear Creek/Mayde Creek trails. With this connection a network of over 37 miles of off-road trails will be available for recreation and commuting to the Energy Corridor, the Enclave area and Westchase.

## CONNECTION OF THE GEORGE BUSH/TERRY HERSHEY TRAIL TO BRAYS BAYOU AND THE UNIVERSITY OF HOUSTON

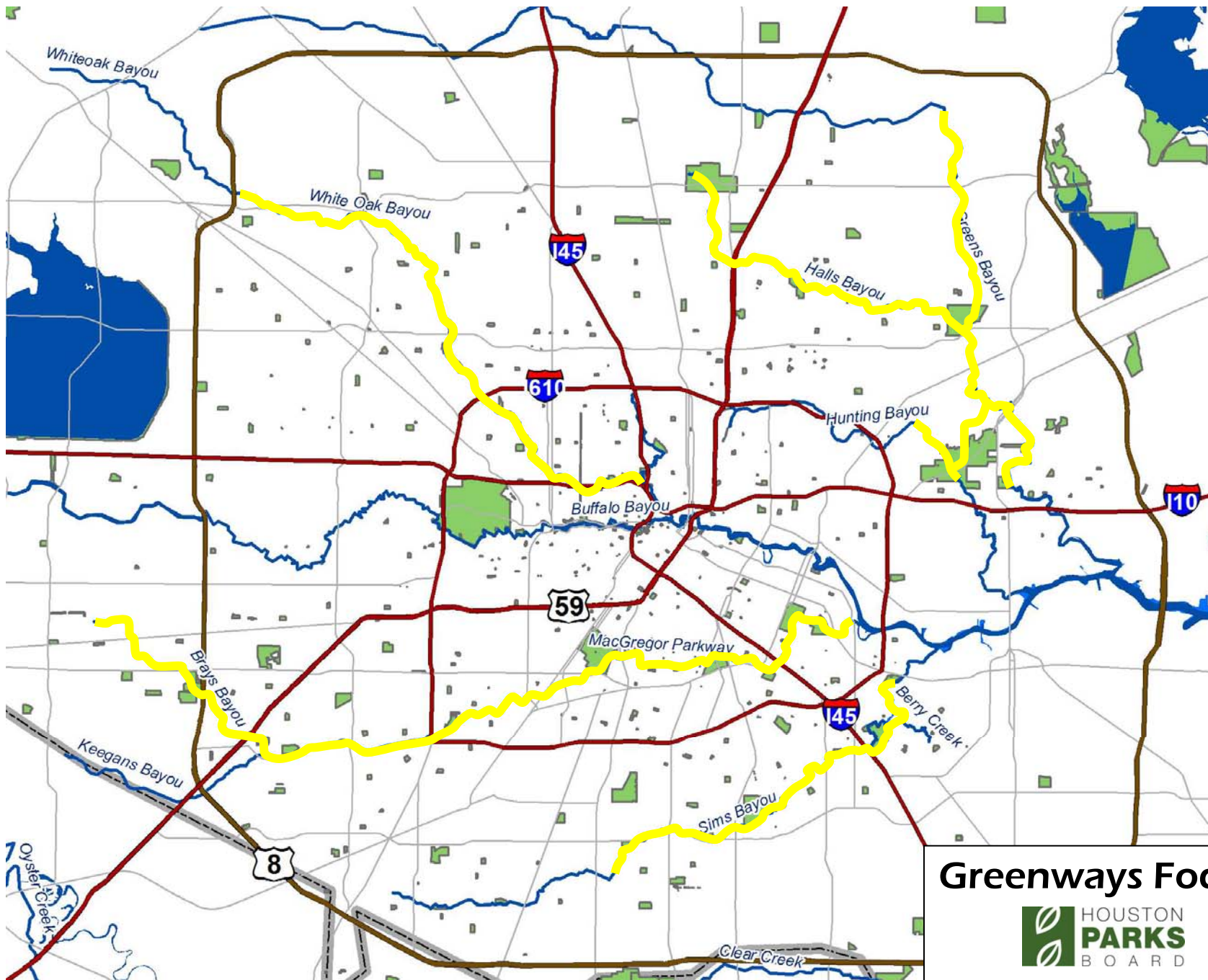
An additional connection would be to tie the Terry Hershey Robin Trail to the Brays Bayou Trail tying west Houston into the University of Houston.

## SPRING CREEK GREENWAY

Along the boundary between Harris and Montgomery Counties lies the Spring Creek Greenway established to connect and protect 12,000 acres of forest on both sides of the creek. The greenway will allow for trails for hiking, bikes, horseback and the creek provides opportunities for canoeing and kayaking. The connection will be from The Woodlands to Kingwood (part of the City of Houston). Primarily being created through a partnership between the two counties, the tie into Houston and Lake Houston Park create an opportunity for the city to be part of project that not only provides recreation, but also is an environmental gem – a biologically diverse ecosystem.

## CYPRESS CREEK GREENWAY

The Cypress Creek Flood Control Coalition's mission is to promote a multi-use approach to land use with the Cypress Creek watershed including flood mitigation, preservation and recreation. A continuous greenway will be provided through Harris County and the City of Houston beginning on the west in the master planned community of Bridgeland and tying into the Spring Creek Greenway on the east. From the recreation side, the greenway will link existing and planned anchor parks along the greenway. A trail system will be included and will utilize both the creek and its tributaries to tie the greenway into adjacent residential areas.



## Greenways Focus





## APPENDIX 3 – PARK ORDINANCE CHECKLIST

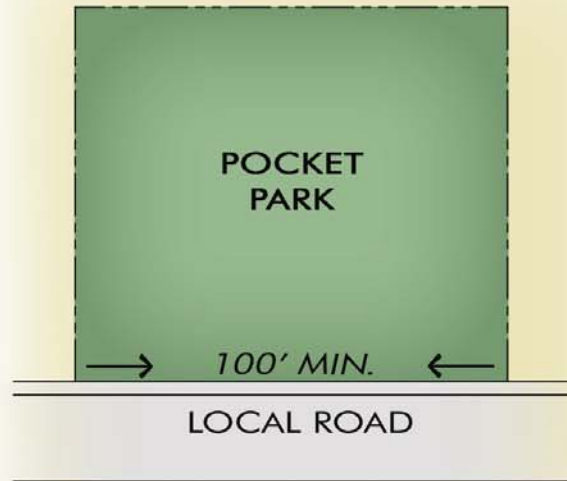
### PARK LAND DEDICATION - STAFF REVIEW CHECKLIST FOR EVALUATION OF PROPOSED LAND DEDICATIONS

Number of Units	Acreage Required	Park Classification	Parking	Desired Roadway Classification	Minimum Street Frontage	Public Utilities Available	Sketch Reference
28 to 55	1/2* to 1 acre *Minimum parcel size inside IH 610	Pocket Park	On-Street	Local	100 feet	Electric and Storm	PP-1
56 to 833	1* to 15 acres *Minimum parcel size outside IH610	Neighborhood Park	On-Street	Local or Collector	50 feet acre dedicated. Minimum requirement of 100 feet	Electric, Water and Storm	NP-1
834 to 8,333	16 to 150 acres	Community Park	On-Site	Collector, Thoroughfare or Principal Thoroughfare	500 feet minimum	Electric, Water, Sanitary and Storm	CP-1
8,334 or greater	over 150 acres	Regional Park	On-Site	Thoroughfare or Principal Thoroughfare	1,000 feet minimum	Electric, Water, Sanitary and Storm	RP-1

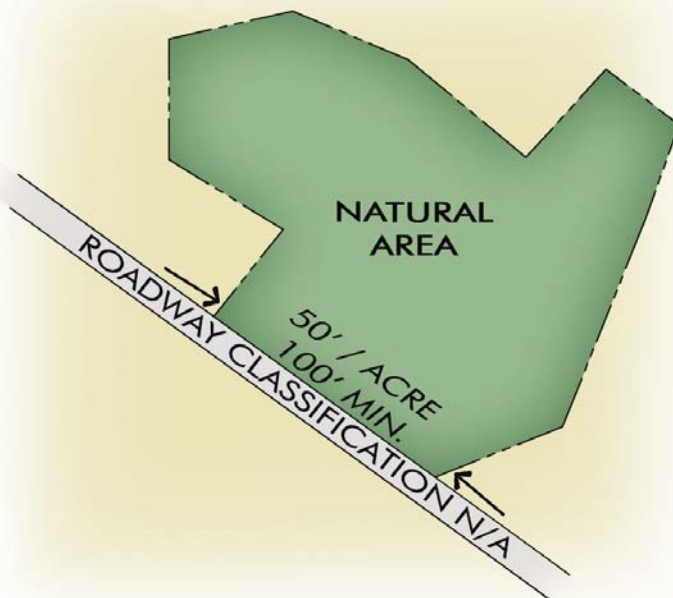
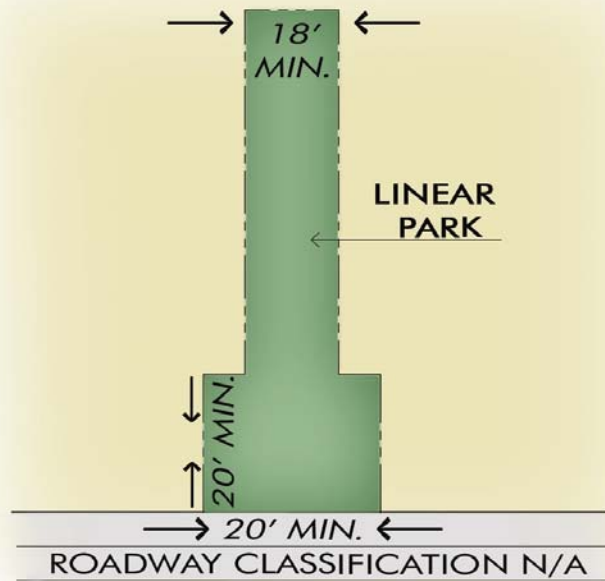
Number of Units	Acreage Required	Park Classification	Parking	Desired Roadway Classification	Minimum Street Frontage	Public Utilities Available	Sketch Reference
varies	varies	Linear Park/Greenway	None	Roadway classification N/A. Must provide connection to rail, park, trail or school or provide loop trail opportunity	20 feet minimum at street (and 20' back from the street) then 18' width minimum for remainder of park	Electric and Storm	LP-1
varies	over 5 acres	Natural Areas	On-Site	N/A	50 feet acre dedicated. Minimum requirement of 100 feet	None required	NA-1

## NOTES

1. No detention ponds (slopes or bottoms permitted)
2. Trail widths - 10' trail and 4' clear on each side
3.  $10AC \times 1.8 \times \text{UNITS} / 1000 = AC$









## APPENDIX 4 – CITIZEN SURVEY

Hello this is NSR calling on behalf of the City of Houston Park and Recreation Department. We'd like to include your opinions about future development of the parks and recreation programs in the area.

1. Within the past year, how often have you and/or your household members visited a park in the Houston area?  
Would you say; (Read list, one answer only)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
At least weekly	390 21.5	54 26.5	47 23.0	55 26.8	36 18.0	26 26.0	18 18.0	24 12.0	32 16.0	61 30.5	37 18.5	390 26.2	0 0.0	123 37.7	278 18.4	309 29.8	180 16.8	88 28.1	84 26.9	101 26.0	72 19.8	38 12.0
At least monthly	318 17.5	47 23.0	49 24.0	36 17.6	41 20.5	16 16.0	22 22.0	25 12.5	27 13.5	24 12.0	31 15.5	318 21.4	0 0.0	65 19.9	260 17.2	261 25.2	145 13.5	74 23.6	75 24.0	69 17.7	62 17.1	36 11.4
At least once in three months	186 10.3	22 10.8	15 7.4	31 15.1	21 10.5	11 11.0	11 11.0	21 10.5	8 4.0	19 9.5	27 13.5	186 12.5	0 0.0	30 9.2	156 10.3	122 11.8	94 8.8	37 11.8	43 13.8	42 10.8	31 8.5	25 7.9
A few times per year	338 18.6	31 15.2	34 16.7	39 19.0	25 12.5	18 18.0	19 19.0	48 24.0	45 22.5	32 16.0	47 23.5	338 22.7	0 0.0	54 16.6	287 19.0	195 18.8	206 19.2	63 20.1	55 17.6	70 18.0	64 17.6	68 21.5
Once a year or less	255 14.1	28 13.7	21 10.3	24 11.7	23 11.5	9 9.0	9 9.0	63 31.5	11 5.5	41 20.5	26 13.0	255 17.1	0 0.0	28 8.6	228 15.1	88 8.5	191 17.8	27 8.6	34 10.9	49 12.6	59 16.3	68 21.5
Never	326 18.0	22 10.8	38 18.6	20 9.8	54 27.0	20 20.0	21 21.0	19 9.5	77 38.5	23 11.5	32 16.0	0 0.0	326 100.0	26 8.0	304 20.1	62 6.0	255 23.8	24 7.7	21 6.7	58 14.9	75 20.7	82 25.9
Don't know	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0

1c. Do you know if the parks you visit are city, county or private parks? (Check all that apply)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
City	1047 55.4	124 54.9	113 50.9	134 59.6	120 58.8	29 28.4	43 41.3	146 73.0	85 41.9	124 60.5	129 64.5	1014 65.2	33 9.9	218 61.1	849 54.2	633 57.8	610 55.1	179 54.4	188 58.4	241 58.1	222 59.7	178 53.6
County	168 8.9	42 18.6	43 19.4	26 11.6	5 2.5	7 6.9	9 8.7	4 2.0	11 5.4	16 7.8	5 2.5	152 9.8	16 4.8	52 14.6	122 7.8	105 9.6	91 8.2	26 7.9	26 8.1	44 10.6	30 8.1	36 10.8
Private	62 3.3	6 2.7	7 3.2	13 5.8	1 0.5	14 13.7	11 10.6	4 2.0	4 2.0	1 0.5	1 0.5	58 3.7	4 1.2	17 4.8	48 3.1	64 5.8	19 1.7	13 4.0	18 5.6	14 3.4	9 2.4	7 2.1
Don't know	614 32.5	54 23.9	59 26.6	52 23.1	78 38.2	52 51.0	41 39.4	46 23.0	103 50.7	64 31.2	65 32.5	332 21.3	282 84.2	70 19.6	548 35.0	294 26.8	388 35.0	111 33.7	90 28.0	116 28.0	111 29.8	111 33.4

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2a. Overall, how would you rate the maintenance of the parks in Houston? Would you say; *(Read list, one answer only)*

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
Excellent	301 16.6	41 20.1	37 18.1	34 16.6	17 8.5	24 24.0	28 28.0	20 10.0	27 13.5	53 26.5	20 10.0	287 19.3	14 4.3	54 16.6	250 16.5	185 17.8	171 16.0	50 16.0	58 18.6	74 19.0	60 16.5	50 15.8
Good	883 48.7	109 53.4	89 43.6	121 59.0	96 48.0	56 56.0	43 43.0	117 58.5	75 37.5	84 42.0	93 46.5	817 54.9	66 20.2	156 47.9	739 48.8	545 52.6	507 47.3	186 59.4	162 51.9	189 48.6	161 44.4	153 48.3
Needs some improvement	269 14.8	26 12.7	51 25.0	23 11.2	34 17.0	7 7.0	12 12.0	28 14.0	20 10.0	30 15.0	38 19.0	251 16.9	18 5.5	68 20.9	205 13.5	180 17.4	142 13.3	45 14.4	52 16.7	62 15.9	59 16.3	40 12.6
Needs much improvement	68 3.8	9 4.4	16 7.8	12 5.9	0 0.0	1 1.0	3 3.0	9 4.5	3 1.5	7 3.5	8 4.0	63 4.2	5 1.5	32 9.8	41 2.7	62 6.0	23 2.1	13 4.2	16 5.1	18 4.6	12 3.3	7 2.2
Don't know/no opinion	292 16.1	19 9.3	11 5.4	15 7.3	53 26.5	12 12.0	14 14.0	26 13.0	75 37.5	26 13.0	41 20.5	69 4.6	223 68.4	16 4.9	278 18.4	65 6.3	228 21.3	19 6.1	24 7.7	46 11.8	71 19.6	67 21.1

2b. What, if anything, needs to be done differently in park maintenance? Would you say; *(Read list, check all that apply)*

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
Increase mowing	188 6.2	29 7.2	44 8.7	40 8.6	13 4.8	4 3.3	7 4.5	16 5.8	5 2.1	13 4.7	17 5.5	168 6.5	20 4.8	65 9.2	135 5.6	124 6.5	95 5.8	30 5.5	47 8.2	45 6.6	30 5.2	26 5.5
Increase trash pick-up	415 13.7	67 16.7	79 15.7	73 15.7	20 7.4	11 8.9	18 11.5	42 15.1	22 9.4	34 12.2	49 15.9	382 14.7	33 7.9	101 14.4	326 13.6	271 14.3	222 13.5	81 14.8	79 13.7	102 15.0	78 13.6	58 12.2
Improve tree maintenance	209 6.9	39 9.7	46 9.1	49 10.6	13 4.8	4 3.3	8 5.1	11 4.0	8 3.4	9 3.2	22 7.1	192 7.4	17 4.1	69 9.8	146 6.1	147 7.8	94 5.7	38 6.9	47 8.2	47 6.9	42 7.3	24 5.1
Remove graffiti	264 8.7	52 12.9	61 12.1	54 11.6	7 2.6	9 7.3	13 8.3	9 3.2	11 4.7	32 11.5	16 5.2	236 9.1	28 6.7	93 13.2	185 7.7	175 9.2	129 7.9	47 8.6	54 9.4	67 9.8	49 8.5	38 8.0
Upgrade playground equipment, benches, tables, grills, trash cans	557 18.4	78 19.4	114 22.6	103 22.2	49 18.0	21 17.1	30 19.2	44 15.8	17 7.3	47 16.9	54 17.5	526 20.2	31 7.4	154 21.9	420 17.5	446 23.5	250 15.2	131 23.9	120 20.8	130 19.1	97 16.9	67 14.1
Improve restrooms	596 19.7	83 20.6	125 24.8	101 21.8	49 18.0	16 13.0	28 17.9	71 25.5	27 11.5	45 16.2	51 16.6	566 21.8	30 7.2	157 22.3	453 18.9	419 22.1	295 18.0	121 22.0	127 22.0	145 21.3	112 19.5	76 16.0
Nothing	469 15.5	42 10.4	28 5.6	38 8.2	52 19.1	31 25.2	29 18.6	64 23.0	60 25.6	66 23.7	59 19.2	424 16.3	45 10.7	52 7.4	419 17.5	230 12.1	310 18.9	74 13.5	76 13.2	100 14.7	94 16.3	98 20.7
Don't know/not familiar	321 10.6	12 3.0	7 1.4	6 1.3	69 25.4	27 22.0	23 14.7	21 7.6	84 35.9	32 11.5	40 13.0	106 4.1	215 51.3	12 1.7	311 13.0	83 4.4	248 15.1	27 4.9	26 4.5	45 6.6	73 12.7	87 18.4

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3a. Within the past 3 years, who in your household has participated in a Houston Recreation program such as recreation center programs, softball, baseball, after school or summer programs, senior programs, etc.? Was it seniors, adults, youth or no one in your household? (Read list, check all that apply)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
Senior (age 65+)	56 3.0	5 2.4	16 7.5	9 4.2	2 1.0	0 0.0	1 1.0	2 1.0	4 2.0	11 5.4	6 3.0	46 3.0	10 3.0	69 17.9	0 0.0	22 2.1	42 3.9	5 1.6	3 0.9	4 1.0	16 4.4	27 8.4
Adult (age 20 to 64)	55 3.0	11 5.3	11 5.2	13 6.1	3 1.5	0 0.0	0 0.0	2 1.0	2 1.0	8 3.9	5 2.5	48 3.2	7 2.1	78 20.2	0 0.0	28 2.6	33 3.1	9 2.8	8 2.5	18 4.6	13 3.6	6 1.9
Youth (under age 20)	215 11.7	35 16.8	56 26.4	34 15.9	13 6.5	9 9.0	10 10.0	19 9.5	2 1.0	26 12.7	11 5.5	206 13.7	9 2.7	239 61.9	0 0.0	248 23.3	56 5.2	46 14.4	57 17.9	58 14.7	31 8.5	20 6.2
No one (Skip to Q4.)	1513 82.3	157 75.5	129 60.8	158 73.8	182 91.0	91 91.0	89 89.0	177 88.5	192 96.0	160 78.0	178 89.0	1209 80.1	304 92.1	0 0.0	1513 100.0	768 72.0	947 87.8	259 81.2	251 78.7	314 79.7	306 83.6	268 83.5

3b. Overall, how would you rate the quality of recreation programs offered by the City of Houston Parks and Recreation Department? Would you say; (Read list, one answer only)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	299	47	74	47	18	9	11	23	8	40	22	278	21	325	0	269	123	54	61	75	56	49
Excellent	62 20.7	11 23.4	10 13.5	5 10.6	12 66.7	2 22.2	3 27.3	4 17.4	5 62.5	8 20.0	2 9.1	57 20.5	5 23.8	67 20.6	0 0.0	56 20.8	25 20.3	11 20.4	14 23.0	12 16.0	16 28.6	8 16.3
Good	153 51.2	26 55.3	36 48.6	21 44.7	4 22.2	6 66.7	5 45.5	13 56.5	3 37.5	24 60.0	15 68.2	142 51.1	11 52.4	165 50.8	0 0.0	148 55.0	60 48.8	31 57.4	33 54.1	39 52.0	21 37.5	27 55.1
Needs some improvement	56 18.7	5 10.6	23 31.1	9 19.1	2 11.1	0 0.0	2 18.2	5 21.7	0 0.0	7 17.5	3 13.6	54 19.4	2 9.5	61 18.8	0 0.0	42 15.6	27 22.0	6 11.1	11 18.0	13 17.3	13 23.2	12 24.5
Needs much improvement	18 6.0	4 8.5	4 5.4	7 14.9	0 0.0	1 11.1	0 0.0	1 4.3	0 0.0	0 0.0	1 4.5	15 5.4	3 14.3	22 6.8	0 0.0	14 5.2	7 5.7	3 5.6	2 3.3	8 10.7	4 7.1	1 2.0
Don't know/not familiar	10 3.3	1 2.1	1 1.4	5 10.6	0 0.0	0 0.0	1 9.1	0 0.0	0 0.0	1 2.5	1 4.5	10 3.6	0 0.0	10 3.1	0 0.0	9 3.3	4 3.3	3 5.6	1 1.6	3 4.0	2 3.6	1 2.0

3c. Do you have any suggestions for improvement of the recreation programs you or others in your home have participated?

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	299	47	74	47	18	9	11	23	8	40	22	278	21	325	0	269	123	54	61	75	56	49
No	203 67.9	34 72.3	45 60.8	26 55.3	15 83.3	6 66.7	9 81.8	12 52.2	6 75.0	30 75.0	20 90.9	187 67.3	16 76.2	215 66.2	0 0.0	186 69.1	84 68.3	43 79.6	38 62.3	42 56.0	42 75.0	35 71.4
Yes (write in below)	96 32.1	13 27.7	29 39.2	21 44.7	3 16.7	3 33.3	2 18.2	11 47.8	2 25.0	10 25.0	2 9.1	91 32.7	5 23.8	110 33.8	0 0.0	83 30.9	39 31.7	11 20.4	23 37.7	33 44.0	14 25.0	14 28.6

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3d. Have you used the City's Fall, Spring or Summer Recreation Program Catalogue booklet or used it on line?  
(If yes, was it the booklet, online or both? (Check all answers that apply)

	Total	District										Park User		Program User		Children in Household		Age of Respondent				
		A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	299	47	74	47	18	9	11	23	8	40	22	278	21	325	0	269	123	54	61	75	56	49
Yes, booklet	24	4	4	6	0	0	0	1	0	3	6	22	2	29	0	24	10	6	3	6	6	3
	7.9	8.5	5.4	12.0	0.0	0.0	0.0	4.3	0.0	7.5	27.3	7.8	9.5	8.8	0.0	8.8	8.1	10.7	4.9	8.0	10.5	6.1
Yes, online	18	5	5	4	0	0	0	3	0	1	0	18	0	22	0	24	2	7	6	3	2	0
	6.0	10.6	6.8	8.0	0.0	0.0	0.0	13.0	0.0	2.5	0.0	6.4	0.0	6.7	0.0	8.8	1.6	12.5	9.8	4.0	3.5	0.0
No, neither	260	38	65	40	18	9	11	19	8	36	16	241	19	279	0	224	112	43	52	66	49	46
	86.1	80.9	87.8	80.0	100.0	100.0	100.0	82.6	100.0	90.0	72.7	85.8	90.5	84.5	0.0	82.4	90.3	76.8	85.2	88.0	86.0	93.9

4. Which of the following recreation program opportunities would you and members of your household be MOST interested in participating in Houston? (Read list, check only the programs they are most interested in participating)

	Total	District										Park User		Program User		Children in Household		Age of Respondent				
		A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
Fishing tournaments and activities	337	65	88	59	1	26	19	26	10	34	9	308	29	109	239	257	153	70	73	99	51	37
	3.0	3.4	3.5	2.5	0.3	4.1	3.1	3.9	2.2	3.0	1.0	3.0	2.5	3.1	2.9	2.7	3.0	2.8	2.8	3.5	2.9	2.6
Tutoring programs for teens	358	63	101	77	0	10	17	12	2	38	38	328	30	141	231	338	131	73	82	102	52	43
	3.1	3.3	4.0	3.3	0.0	1.6	2.8	1.8	0.4	3.4	4.3	3.2	2.6	4.0	2.8	3.6	2.6	3.0	3.2	3.6	2.9	3.0
Nature programs and learning trails	532	110	93	138	1	46	37	25	29	38	15	486	46	151	399	410	252	102	124	137	88	69
	4.7	5.8	3.7	5.9	0.3	7.3	6.1	3.8	6.5	3.4	1.7	4.7	4.0	4.3	4.8	4.4	5.0	4.1	4.8	4.8	5.0	4.8
Outdoor environmental education	509	95	115	123	1	41	26	22	26	48	12	469	40	154	373	384	237	100	112	137	93	59
	4.5	5.0	4.6	5.3	0.3	6.5	4.3	3.3	5.8	4.3	1.4	4.6	3.5	4.4	4.5	4.1	4.7	4.0	4.3	4.8	5.3	4.1
Youth, adult or senior day camps	401	72	107	84	2	21	17	18	6	43	31	372	29	140	271	327	187	80	90	103	64	62
	3.5	3.8	4.3	3.6	0.6	3.3	2.8	2.7	1.3	3.8	3.5	3.6	2.5	4.0	3.3	3.5	3.7	3.2	3.5	3.6	3.6	4.3
Outdoor education camping programs	401	73	99	89	2	25	21	16	9	48	19	367	34	142	273	374	155	87	103	110	55	40
	3.5	3.8	4.0	3.8	0.6	4.0	3.4	2.4	2.0	4.3	2.2	3.6	3.0	4.0	3.3	4.0	3.1	3.5	4.0	3.8	3.1	2.8
Computer learning programs	607	94	133	105	5	32	28	64	24	64	58	538	69	195	431	479	287	118	134	145	107	91
	5.3	4.9	5.3	4.5	1.5	5.1	4.6	9.7	5.4	5.7	6.6	5.2	6.0	5.5	5.2	5.1	5.7	4.8	5.2	5.1	6.0	6.3
After school programs	473	74	106	84	19	21	25	35	8	46	55	441	32	176	314	500	151	123	130	111	55	46
	4.1	3.9	4.2	3.6	5.9	3.3	4.1	5.3	1.8	4.1	6.3	4.3	2.8	5.0	3.8	5.3	3.0	5.0	5.0	3.9	3.1	3.2
Fitness programs	718	106	129	133	26	36	34	54	32	79	89	648	70	184	550	528	361	155	147	185	126	93
	6.3	5.5	5.2	5.7	8.0	5.7	5.6	8.2	7.2	7.1	10.2	6.3	6.1	5.2	6.7	5.6	7.2	6.3	5.7	6.5	7.1	6.5
Swim lessons	583	88	112	107	7	30	36	42	18	54	89	542	41	176	420	570	215	135	150	147	86	58
	5.1	4.6	4.5	4.6	2.2	4.7	5.9	6.3	4.0	4.8	10.2	5.3	3.6	5.0	5.1	6.1	4.3	5.5	5.8	5.1	4.9	4.0
Baseball leagues	417	65	107	88	7	16	18	18	11	40	47	385	32	156	278	410	145	100	102	98	67	42
	3.7	3.4	4.3	3.8	2.2	2.5	3.0	2.7	2.5	3.6	5.4	3.8	2.8	4.4	3.4	4.4	2.9	4.0	3.9	3.4	3.8	2.9
Tennis leagues	320	49	74	73	0	19	17	20	16	34	18	295	25	100	231	268	137	72	78	84	48	35
	2.8	2.6	3.0	3.1	0.0	3.0	2.8	3.0	3.6	3.0	2.1	2.9	2.2	2.8	2.8	2.9	2.7	2.9	3.0	2.9	2.7	2.4
Basketball leagues	417	62	110	84	13	12	20	22	7	43	44	386	31	163	272	405	144	115	102	98	58	37
	3.7	3.2	4.4	3.6	4.0	1.9	3.3	3.3	1.6	3.8	5.0	3.8	2.7	4.6	3.3	4.3	2.9	4.7	3.9	3.4	3.3	2.6
Soccer programs	374	63	80	101	2	19	20	11	9	35	34	347	27	137	255	374	124	112	99	88	43	27
	3.3	3.3	3.2	4.3	0.6	3.0	3.3	1.7	2.0	3.1	3.9	3.4	2.4	3.9	3.1	4.0	2.5	4.5	3.8	3.1	2.4	1.9
Archery programs (bow and arrow)	206	50	51	52	0	8	13	12	3	15	2	190	16	74	140	183	81	51	46	61	30	16
	1.8	2.6	2.0	2.2	0.0	1.3	2.1	1.8	0.7	1.3	0.2	1.9	1.4	2.1	1.7	1.9	1.6	2.1	1.8	2.1	1.7	1.1
Skateboarding	180	43	52	38	1	5	9	5	3	17	7	166	14	91	101	203	51	41	47	58	17	16
	1.6	2.2	2.1	1.6	0.3	0.8	1.5	0.8	0.7	1.5	0.8	1.6	1.2	2.6	1.2	2.2	1.0	1.7	1.8	2.0	1.0	1.1

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4. Which of the following recreation program opportunities would you and members of your household be MOST interested in participating in Houston? *(Read list, check only the programs they are most interested in participating)*

	Total	District										Park User		Program User		Children in Household		Age of Respondent				
		A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
Football leagues	324 2.8	54 2.8	96 3.8	64 2.8	12 3.7	9 1.4	12 2.0	16 2.4	2 0.4	34 3.0	25 2.9	299 2.9	25 2.2	138 3.9	201 2.4	328 3.5	105 2.1	86 3.5	93 3.6	67 2.3	38 2.1	35 2.4
Arts and craft programs	509 4.5	94 4.9	110 4.4	105 4.5	27 8.4	35 5.5	29 4.8	32 4.8	21 4.7	52 4.6	4 0.5	453 4.4	56 4.9	166 4.7	360 4.4	383 4.1	251 5.0	95 3.8	104 4.0	130 4.5	80 4.5	90 6.3
3 par golf	295 2.6	60 3.1	70 2.8	68 2.9	1 0.3	24 3.8	23 3.8	10 1.5	10 2.2	26 2.3	3 0.3	265 2.6	30 2.6	87 2.5	217 2.6	199 2.1	147 2.9	68 2.8	56 2.2	85 3.0	47 2.7	34 2.4
Disc or Frisbee golf	212 1.9	43 2.2	59 2.4	56 2.4	0 0.0	10 1.6	14 2.3	11 1.7	4 0.9	13 1.2	2 0.2	189 1.8	23 2.0	71 2.0	148 1.8	178 1.9	85 1.7	52 2.1	51 2.0	61 2.1	27 1.5	18 1.3
Children's recreation programs	518 4.5	84 4.4	117 4.7	113 4.9	16 5.0	32 5.1	30 4.9	26 3.9	8 1.8	45 4.0	47 5.4	481 4.7	37 3.2	159 4.5	372 4.5	516 5.5	186 3.7	130 5.3	129 5.0	128 4.5	68 3.8	56 3.9
Youth recreation programs	426 3.7	74 3.9	105 4.2	97 4.2	11 3.4	25 4.0	23 3.8	21 3.2	6 1.3	39 3.5	25 2.9	393 3.8	33 2.9	143 4.1	296 3.6	401 4.3	165 3.3	90 3.6	111 4.3	108 3.8	62 3.5	49 3.4
Bike ride or fun run	490 4.3	91 4.8	87 3.5	107 4.6	2 0.6	38 6.0	29 4.8	23 3.5	17 3.8	53 4.7	43 4.9	451 4.4	39 3.4	111 3.1	390 4.7	392 4.2	218 4.3	118 4.8	115 4.4	128 4.5	75 4.2	45 3.1
Special needs fitness programs (for handicapped)	324 2.8	61 3.2	87 3.5	74 3.2	0 0.0	4 0.6	8 1.3	9 1.4	5 1.1	31 2.8	45 5.1	281 2.7	43 3.8	82 2.3	249 3.0	221 2.4	170 3.4	62 2.5	59 2.3	82 2.9	55 3.1	58 4.0
Nutrition programs	407 3.6	74 3.9	84 3.4	78 3.4	31 9.6	22 3.5	26 4.3	23 3.5	18 4.0	41 3.7	10 1.1	358 3.5	49 4.3	105 3.0	312 3.8	249 2.7	231 4.6	83 3.4	81 3.1	92 3.2	72 4.1	65 4.5
Dance or theater programs	432 3.8	67 3.5	82 3.3	96 4.1	7 2.2	33 5.2	25 4.1	28 4.2	19 4.3	26 2.3	49 5.6	384 3.7	48 4.2	113 3.2	331 4.0	325 3.5	208 4.1	84 3.4	92 3.6	113 3.9	80 4.5	56 3.9
Any others? (write in response below)	136 1.2	23 1.2	29 1.2	24 1.0	5 1.5	8 1.3	3 0.5	9 1.4	8 1.8	14 1.3	13 1.5	122 1.2	14 1.2	53 1.5	88 1.1	75 0.8	80 1.6	20 0.8	29 1.1	34 1.2	19 1.1	29 2.0
None/not interested	497 4.4	16 0.8	15 0.6	7 0.3	124 38.4	25 4.0	31 5.1	52 7.9	115 25.8	69 6.2	43 4.9	314 3.1	183 16.0	11 0.3	486 5.9	112 1.2	387 7.7	50 2.0	49 1.9	73 2.5	107 6.0	132 9.2



5. What is your PREFERRED way to find out about Parks and Recreation activities and programs in Houston?  
Would you say; (Read list, check top one or two answers)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
Newspaper	550 24.2	67 23.8	61 21.5	78 26.7	34 14.5	45 35.4	35 28.7	65 26.1	44 19.5	59 24.8	62 28.2	479 25.1	71 19.5	82 17.7	474 25.7	301 21.3	336 26.2	79 19.4	100 23.8	125 24.2	106 24.2	123 33.9
Citizen Net (E-mailed info about neighborhood issues. Residents can sign up to receive this on	84 3.7	23 8.2	19 6.7	29 9.9	2 0.9	0 0.0	2 1.6	4 1.6	3 1.3	0 0.0	2 0.9	74 3.9	10 2.7	29 6.3	57 3.1	50 3.5	42 3.3	19 4.7	20 4.8	26 5.0	11 2.5	5 1.4
Fliers mailers received at your home	631 27.8	79 28.1	94 33.1	79 27.1	68 29.1	33 26.0	29 23.8	72 28.9	36 15.9	63 26.5	78 35.5	559 29.3	72 19.7	163 35.1	478 25.9	423 29.9	342 26.6	116 28.5	101 24.0	172 33.3	135 30.8	86 23.7
City parks department web site	283 12.5	36 12.8	36 12.7	47 16.1	7 3.0	22 17.3	24 19.7	40 16.1	31 13.7	31 13.0	9 4.1	259 13.6	24 6.6	57 12.3	234 12.7	218 15.4	134 10.4	72 17.7	86 20.5	61 11.8	48 11.0	13 3.6
Fliers students receive at school	219 9.6	32 11.4	34 12.0	29 9.9	13 5.6	14 11.0	16 13.1	21 8.4	8 3.5	29 12.2	23 10.5	211 11.1	8 2.2	87 18.8	137 7.4	296 20.9	48 3.7	70 17.2	61 14.5	53 10.3	22 5.0	12 3.3
Any others? (write in response below)	127 5.6	33 11.7	27 9.5	27 9.2	1 0.4	3 2.4	1 0.8	11 4.4	3 1.3	16 6.7	5 2.3	114 6.0	13 3.6	37 8.0	92 5.0	49 3.5	84 6.5	13 3.2	22 5.2	30 5.8	33 7.5	25 6.9
Don't know/no preference	379 16.7	11 3.9	13 4.6	3 1.0	109 46.6	10 7.9	15 12.3	36 14.5	101 44.7	40 16.8	41 18.6	212 11.1	167 45.8	9 1.9	371 20.1	76 5.4	298 23.2	38 9.3	30 7.1	49 9.5	83 18.9	99 27.3

6a. Which of the following facilities do you feel are needed in the parks in Houston. Please rate each on a scale from 1 to 4 with 4 being definitely needed and 1 being not needed.

### AMPHITHEATER/PERFORMING ARTS SPACE

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	372 20.5	46 22.5	29 14.2	40 19.5	59 29.5	26 26.0	25 25.0	27 13.5	24 12.0	34 17.0	62 31.0	293 19.7	79 24.2	44 13.5	330 21.8	200 19.3	225 21.0	62 19.8	57 18.3	81 20.8	75 20.7	71 22.4
2-	305 16.8	39 19.1	38 18.6	52 25.4	47 23.5	20 20.0	20 20.0	29 14.5	9 4.5	32 16.0	19 9.5	266 17.9	39 12.0	66 20.2	244 16.1	194 18.7	171 16.0	76 24.3	50 16.0	65 16.7	56 15.4	52 16.4
3-	287 15.8	39 19.1	37 18.1	34 16.6	39 19.5	20 20.0	10 10.0	33 16.5	17 8.5	42 21.0	16 8.0	259 17.4	28 8.6	62 19.0	235 15.5	180 17.4	167 15.6	60 19.2	67 21.5	54 13.9	58 16.0	46 14.5
4-Definitely Needed	577 31.8	59 28.9	79 38.7	69 33.7	18 9.0	30 30.0	41 41.0	74 37.0	82 41.0	61 30.5	64 32.0	497 33.4	80 24.5	128 39.3	458 30.3	364 35.1	327 30.5	82 26.2	106 34.0	155 39.8	125 34.4	83 26.2
Don't know/not familiar	272 15.0	21 10.3	21 10.3	10 4.9	37 18.5	4 4.0	4 4.0	37 18.5	68 34.0	31 15.5	39 19.5	172 11.6	100 30.7	26 8.0	246 16.3	99 9.5	181 16.9	33 10.5	32 10.3	34 8.7	49 13.5	65 20.5

6b. MORE HIKE, BIKE, WALK TRAILS (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	209 11.5	28 13.7	27 13.2	18 8.8	27 13.5	27 27.0	9 9.0	11 5.5	13 6.5	30 15.0	19 9.5	164 11.0	45 13.8	35 10.7	176 11.6	119 11.5	124 11.6	33 10.5	23 7.4	50 12.9	43 11.8	42 13.2
2-	213 11.7	34 16.7	25 12.3	22 10.7	45 22.5	15 15.0	9 9.0	25 12.5	11 5.5	16 8.0	11 5.5	181 12.2	32 9.8	47 14.4	171 11.3	112 10.8	134 12.5	46 14.7	30 9.6	43 11.1	44 12.1	42 13.2
3-	356 19.6	32 15.7	39 19.1	55 26.8	65 32.5	17 17.0	11 11.0	47 23.5	17 8.5	36 18.0	37 18.5	307 20.6	49 15.0	68 20.9	292 19.3	229 22.1	200 18.7	67 21.4	77 24.7	75 19.3	66 18.2	63 19.9
4-Definitely Needed	844 46.6	99 48.5	103 50.5	102 49.8	35 17.5	34 34.0	70 70.0	103 51.5	95 47.5	85 42.5	118 59.0	736 49.5	108 33.1	161 49.4	696 46.0	543 52.4	461 43.0	154 49.2	165 52.9	198 50.9	179 49.3	106 33.4
Don't know/not familiar	191 10.5	11 5.4	10 4.9	8 3.9	28 14.0	7 7.0	1 1.0	14 7.0	64 32.0	33 16.5	15 7.5	99 6.7	92 28.2	15 4.6	178 11.8	34 3.3	152 14.2	13 4.2	17 5.4	23 5.9	31 8.5	64 20.2

6c. WATER PARK/OUTDOOR AQUATIC OR SWIMMING POOL FACILITY (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	265 14.6	30 14.7	22 10.8	21 10.2	33 16.5	29 29.0	15 15.0	24 12.0	35 17.5	32 16.0	24 12.0	204 13.7	61 18.7	37 11.3	231 15.3	106 10.2	182 17.0	28 8.9	30 9.6	58 14.9	68 18.7	57 18.0
2-	240 13.2	43 21.1	22 10.8	44 21.5	39 19.5	12 12.0	13 13.0	19 9.5	21 10.5	19 9.5	8 4.0	213 14.3	27 8.3	41 12.6	204 13.5	121 11.7	156 14.6	34 10.9	48 15.4	57 14.7	46 12.7	47 14.8
3-	343 18.9	49 24.0	41 20.1	57 27.8	50 25.0	17 17.0	20 20.0	30 15.0	15 7.5	41 20.5	23 11.5	293 19.7	50 15.3	69 21.2	279 18.4	179 17.3	209 19.5	74 23.6	59 18.9	83 21.3	62 17.1	59 18.6
4-Definitely Needed	771 42.5	73 35.8	109 53.4	73 35.6	46 23.0	36 36.0	47 47.0	115 57.5	64 32.0	78 39.0	130 65.0	679 45.7	92 28.2	167 51.2	617 40.8	599 57.8	372 34.7	166 53.0	160 51.3	167 42.9	153 42.1	97 30.6
Don't know/not familiar	194 10.7	9 4.4	10 4.9	10 4.9	32 16.0	6 6.0	5 5.0	12 6.0	65 32.5	30 15.0	15 7.5	98 6.6	96 29.4	12 3.7	182 12.0	32 3.1	152 14.2	11 3.5	15 4.8	24 6.2	34 9.4	57 18.0

6d. SPRAY PARKS ( PARKS WITH WATER SPRAYS FOR YOUNG PEOPLE AND ADULTS) (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	267 14.7	46 22.5	28 13.7	34 16.6	32 16.0	21 21.0	13 13.0	16 8.0	27 13.5	24 12.0	26 13.0	200 13.4	67 20.6	45 13.8	225 14.9	96 9.3	190 17.7	34 10.9	29 9.3	56 14.4	68 18.7	59 18.6
2-	256 14.1	37 18.1	27 13.2	54 26.3	31 15.5	11 11.0	23 23.0	25 12.5	14 7.0	23 11.5	11 5.5	231 15.5	25 7.7	49 15.0	212 14.0	151 14.6	154 14.4	43 13.7	47 15.1	65 16.7	48 13.2	45 14.2
3-	336 18.5	44 21.6	35 17.2	43 21.0	57 28.5	22 22.0	15 15.0	35 17.5	21 10.5	44 22.0	20 10.0	296 19.9	40 12.3	65 19.9	278 18.4	175 16.9	202 18.9	64 20.4	55 17.6	83 21.3	67 18.5	62 19.6
4-Definitely Needed	748 41.3	68 33.3	102 50.0	65 31.7	46 23.0	38 38.0	44 44.0	112 56.0	73 36.5	82 41.0	118 59.0	651 43.8	97 29.8	152 46.6	607 40.1	582 56.1	362 33.8	157 50.2	165 52.9	164 42.2	147 40.5	86 27.1
Don't know/not familiar	206 11.4	9 4.4	12 5.9	9 4.4	34 17.0	8 8.0	5 5.0	12 6.0	65 32.5	27 13.5	25 12.5	109 7.3	97 29.8	15 4.6	191 12.6	33 3.2	163 15.2	15 4.8	16 5.1	21 5.4	33 9.1	65 20.5

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6e. OPEN SPACE AND NATURE AREAS (Again the scale is 4 being definitely needed and 1 being not needed).

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E	E	F	G	H	I	Yes	No	Yes	No	Yes	No	Under	35-44	45-54	55-64	65+
						North	South											35				
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	174 9.6	17 8.3	21 10.3	16 7.8	35 17.5	17 17.0	10 10.0	8 4.0	13 6.5	21 10.5	16 8.0	124 8.3	50 15.3	26 8.0	149 9.8	96 9.3	102 9.5	30 9.6	17 5.4	47 12.1	33 9.1	29 9.1
2-	200 11.0	33 16.2	30 14.7	26 12.7	36 18.0	12 12.0	10 10.0	20 10.0	7 3.5	23 11.5	3 1.5	171 11.5	29 8.9	40 12.3	164 10.8	126 12.2	118 11.0	35 11.2	45 14.4	45 11.6	27 7.4	41 12.9
3-	380 21.0	59 28.9	41 20.1	60 29.3	70 35.0	15 15.0	19 19.0	49 24.5	17 8.5	31 15.5	19 9.5	344 23.1	36 11.0	79 24.2	307 20.3	228 22.0	217 20.3	86 27.5	67 21.5	89 22.9	63 17.4	66 20.8
4-Definitely Needed	913 50.4	92 45.1	103 50.5	101 49.3	36 18.0	54 54.0	59 59.0	113 56.5	105 52.5	101 50.5	149 74.5	782 52.6	131 40.2	168 51.5	758 50.1	553 53.3	526 49.1	151 48.2	174 55.8	193 49.6	213 58.7	137 43.2
Don't know/not familiar	146 8.1	3 1.5	9 4.4	2 1.0	23 11.5	2 2.0	2 2.0	10 5.0	58 29.0	24 12.0	13 6.5	66 4.4	80 24.5	13 4.0	135 8.9	34 3.3	108 10.1	11 3.5	9 2.9	15 3.9	27 7.4	44 13.9

6f. PLAYGROUND AREAS (The scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E	E	F	G	H	I	Yes	No	Yes	No	Yes	No	Under	35-44	45-54	55-64	65+
						North	South											35				
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	184 10.1	15 7.4	13 6.4	15 7.3	30 15.0	27 27.0	8 8.0	13 6.5	17 8.5	26 13.0	20 10.0	142 9.5	42 12.9	26 8.0	160 10.6	82 7.9	120 11.2	23 7.3	24 7.7	46 11.8	39 10.7	35 11.0
2-	194 10.7	42 20.6	14 6.9	31 15.1	26 13.0	12 12.0	11 11.0	18 9.0	15 7.5	19 9.5	6 3.0	167 11.2	27 8.3	46 14.1	155 10.2	107 10.3	123 11.5	36 11.5	37 11.9	42 10.8	44 12.1	25 7.9
3-	362 20.0	55 27.0	32 15.7	51 24.9	61 30.5	16 16.0	19 19.0	55 27.5	17 8.5	36 18.0	20 10.0	320 21.5	42 12.9	53 16.3	313 20.7	218 21.0	211 19.7	67 21.4	72 23.1	89 22.9	63 17.4	64 20.2
4-Definitely Needed	895 49.4	88 43.1	140 68.6	103 50.2	59 29.5	31 31.0	58 58.0	104 52.0	87 43.5	88 44.0	137 68.5	764 51.4	131 40.2	193 59.2	715 47.3	593 57.2	483 45.1	174 55.6	164 52.6	190 48.8	183 50.4	143 45.1
Don't know/not familiar	178 9.8	4 2.0	5 2.5	5 2.4	24 12.0	14 14.0	4 4.0	10 5.0	64 32.0	31 15.5	17 8.5	94 6.3	84 25.8	8 2.5	170 11.2	37 3.6	134 12.5	13 4.2	15 4.8	22 5.7	34 9.4	50 15.8

6g. UPGRADE RECREATION CENTERS (ADD MEETING SPACE AND RECREATION PROGRAMS) (The scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E	E	F	G	H	I	Yes	No	Yes	No	Yes	No	Under	35-44	45-54	55-64	65+
						North	South											35				
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	183 10.1	19 9.3	19 9.3	20 9.8	32 16.0	12 12.0	7 7.0	18 9.0	15 7.5	21 10.5	20 10.0	144 9.7	39 12.0	20 6.1	164 10.8	93 9.0	116 10.8	28 8.9	31 9.9	36 9.3	39 10.7	32 10.1
2-	236 13.0	41 20.1	19 9.3	44 21.5	26 13.0	12 12.0	16 16.0	27 13.5	14 7.0	18 9.0	19 9.5	207 13.9	29 8.9	38 11.7	200 13.2	132 12.7	144 13.4	50 16.0	35 11.2	54 13.9	46 12.7	42 13.2
3-	326 18.0	65 31.9	32 15.7	51 24.9	30 15.0	20 20.0	13 13.0	38 19.0	23 11.5	33 16.5	21 10.5	285 19.2	41 12.6	72 22.1	260 17.2	206 19.9	179 16.7	68 21.7	62 19.9	77 19.8	67 18.5	41 12.9
4-Definitely Needed	724 39.9	68 33.3	123 60.3	76 37.1	29 14.5	36 36.0	55 55.0	85 42.5	57 28.5	81 40.5	114 57.0	626 42.1	98 30.1	176 54.0	563 37.2	492 47.4	384 35.9	125 39.9	141 45.2	168 43.2	153 42.1	112 35.3
Don't know/not familiar	344 19.0	11 5.4	11 5.4	14 6.8	83 41.5	20 20.0	9 9.0	32 16.0	91 45.5	47 23.5	26 13.0	225 15.1	119 36.5	20 6.1	326 21.5	114 11.0	248 23.2	42 13.4	43 13.8	54 13.9	58 16.0	90 28.4

6h. PICNIC AREAS AND PAVILIONS (PAVILIONS ARE COVERED PICNIC AREAS) (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	173 9.5	15 7.4	18 8.8	23 11.2	22 11.0	12 12.0	9 9.0	10 5.0	23 11.5	18 9.0	23 11.5	131 8.8	42 12.9	20 6.1	154 10.2	78 7.5	112 10.5	29 9.3	23 7.4	40 10.3	33 9.1	28 8.8
2-	246 13.6	49 24.0	15 7.4	36 17.6	26 13.0	22 22.0	13 13.0	32 16.0	21 10.5	26 13.0	6 3.0	208 14.0	38 11.7	47 14.4	206 13.6	138 13.3	151 14.1	53 16.9	40 12.8	60 15.4	50 13.8	37 11.7
3-	413 22.8	61 29.9	35 17.2	64 31.2	71 35.5	20 20.0	19 19.0	62 31.0	24 12.0	40 20.0	17 8.5	364 24.5	49 15.0	70 21.5	349 23.1	245 23.6	238 22.2	79 25.2	81 26.0	98 25.2	76 20.9	69 21.8
4-Definitely Needed	819 45.2	73 35.8	131 64.2	77 37.6	54 27.0	39 39.0	57 57.0	88 44.0	69 34.5	91 45.5	140 70.0	706 47.5	113 34.7	178 54.6	653 43.2	539 52.0	449 41.9	138 44.1	153 49.0	174 44.7	175 48.2	139 43.8
Don't know/not familiar	162 8.9	6 2.9	5 2.5	5 2.4	27 13.5	7 7.0	2 2.0	8 4.0	63 31.5	25 12.5	14 7.0	78 5.2	84 25.8	11 3.4	151 10.0	37 3.6	121 11.3	14 4.5	15 4.8	17 4.4	29 8.0	44 13.9

6i. DOG PARK (FENCED AREA WHERE YOU CAN LET YOUR DOG RUN OFF-LEASH) (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	501 27.6	47 23.0	48 23.5	47 22.9	81 40.5	39 39.0	33 33.0	66 33.0	30 15.0	44 22.0	66 33.0	407 27.4	94 28.8	69 21.2	436 28.8	298 28.7	308 28.8	81 25.9	73 23.4	106 27.2	99 27.3	106 33.4
2-	276 15.2	41 20.1	36 17.6	44 21.5	26 13.0	15 15.0	21 21.0	32 16.0	18 9.0	26 13.0	17 8.5	251 16.9	25 7.7	71 21.8	210 13.9	197 19.0	140 13.1	61 19.5	57 18.3	59 15.2	52 14.3	43 13.6
3-	266 14.7	43 21.1	36 17.6	56 27.3	31 15.5	10 10.0	6 6.0	22 11.0	12 6.0	29 14.5	21 10.5	228 15.3	38 11.7	73 22.4	203 13.4	164 15.8	144 13.4	59 18.8	49 15.7	61 15.7	56 15.4	39 12.3
4-Definitely Needed	538 29.7	60 29.4	75 36.8	51 24.9	19 9.5	28 28.0	35 35.0	62 31.0	65 32.5	66 33.0	77 38.5	467 31.4	71 21.8	95 29.1	450 29.7	311 30.0	315 29.4	94 30.0	105 33.7	132 33.9	121 33.3	62 19.6
Don't know/not familiar	232 12.8	13 6.4	9 4.4	7 3.4	43 21.5	8 8.0	5 5.0	18 9.0	75 37.5	35 17.5	19 9.5	134 9.0	98 30.1	18 5.5	214 14.1	67 6.5	164 15.3	18 5.8	28 9.0	31 8.0	35 9.6	67 21.1

6j. BASEBALL FIELDS (The scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	301 16.6	26 12.7	19 9.3	35 17.1	50 25.0	20 20.0	11 11.0	45 22.5	29 14.5	32 16.0	34 17.0	252 16.9	49 15.0	37 11.3	266 17.6	135 13.0	203 19.0	49 15.7	46 14.7	60 15.4	62 17.1	58 18.3
2-	325 17.9	51 25.0	29 14.2	66 32.2	36 18.0	21 21.0	20 20.0	37 18.5	20 10.0	28 14.0	17 8.5	291 19.6	34 10.4	54 16.6	276 18.2	215 20.7	182 17.0	79 25.2	58 18.6	86 22.1	61 16.8	33 10.4
3-	345 19.0	62 30.4	46 22.5	50 24.4	47 23.5	10 10.0	16 16.0	39 19.5	19 9.5	36 18.0	20 10.0	296 19.9	49 15.0	70 21.5	282 18.6	219 21.1	190 17.7	69 22.0	74 23.7	69 17.7	60 16.5	63 19.9
4-Definitely Needed	578 31.9	55 27.0	105 51.5	44 21.5	35 17.5	19 19.0	37 37.0	55 27.5	56 28.0	63 31.5	109 54.5	499 33.6	79 24.2	150 46.0	439 29.0	398 38.4	307 28.7	96 30.7	104 33.3	134 34.4	135 37.2	88 27.8
Don't know/not familiar	264 14.6	10 4.9	5 2.5	10 4.9	32 16.0	30 30.0	16 16.0	24 12.0	76 38.0	41 20.5	20 10.0	149 10.0	115 35.3	15 4.6	250 16.5	70 6.8	189 17.6	20 6.4	30 9.6	40 10.3	45 12.4	75 23.7

6k. BASKETBALL COURTS (The scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	276 15.2	24 11.8	17 8.3	34 16.6	42 21.0	24 24.0	8 8.0	40 20.0	21 10.5	32 16.0	34 17.0	230 15.5	46 14.1	35 10.7	243 16.1	110 10.6	194 18.1	39 12.5	47 15.1	51 13.1	65 17.9	51 16.1
2-	286 15.8	45 22.1	26 12.7	55 26.8	23 11.5	14 14.0	23 23.0	36 18.0	27 13.5	22 11.0	15 7.5	250 16.8	36 11.0	52 16.0	241 15.9	166 16.0	173 16.2	50 16.0	55 17.6	74 19.0	58 16.0	41 12.9
3-	362 20.0	59 28.9	37 18.1	61 29.8	53 26.5	15 15.0	20 20.0	38 19.0	18 9.0	37 18.5	24 12.0	311 20.9	51 15.6	65 19.9	299 19.8	229 22.1	202 18.9	83 26.5	65 20.8	82 21.1	66 18.2	55 17.4
4-Definitely Needed	623 34.4	63 30.9	121 59.3	47 22.9	47 23.5	22 22.0	34 34.0	59 29.5	58 29.0	64 32.0	108 54.0	541 36.4	82 25.2	157 48.2	480 31.7	459 44.3	311 29.0	118 37.7	113 36.2	146 37.5	130 35.8	91 28.7
Don't know/not familiar	266 14.7	13 6.4	3 1.5	8 3.9	35 17.5	25 25.0	15 15.0	27 13.5	76 38.0	45 22.5	19 9.5	155 10.4	111 34.0	17 5.2	250 16.5	73 7.0	191 17.8	23 7.3	32 10.3	36 9.3	44 12.1	79 24.9

6l. SOCCER FIELDS (The scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	340 18.8	33 16.2	30 14.7	32 15.6	67 33.5	29 29.0	13 13.0	44 22.0	25 12.5	29 14.5	38 19.0	285 19.2	55 16.9	44 13.5	297 19.6	146 14.1	233 21.8	54 17.3	47 15.1	65 16.7	82 22.6	63 19.9
2-	319 17.6	54 26.5	41 20.1	55 26.8	28 14.0	12 12.0	25 25.0	35 17.5	19 9.5	36 18.0	14 7.0	277 18.6	42 12.9	76 23.3	250 16.5	206 19.9	179 16.7	64 20.4	66 21.2	80 20.6	55 15.2	46 14.5
3-	319 17.6	50 24.5	35 17.2	62 30.2	39 19.5	13 13.0	14 14.0	32 16.0	21 10.5	31 15.5	22 11.0	273 18.4	46 14.1	65 19.9	259 17.1	225 21.7	168 15.7	71 22.7	66 21.2	75 19.3	56 15.4	45 14.2
4-Definitely Needed	554 30.6	56 27.5	90 44.1	48 23.4	29 14.5	21 21.0	33 33.0	57 28.5	61 30.5	54 27.0	105 52.5	484 32.5	70 21.5	125 38.3	441 29.1	389 37.5	284 26.5	101 32.3	102 32.7	131 33.7	119 32.8	80 25.2
Don't know/not familiar	281 15.5	11 5.4	8 3.9	8 3.9	37 18.5	25 25.0	15 15.0	32 16.0	74 37.0	50 25.0	21 10.5	168 11.3	113 34.7	16 4.9	266 17.6	71 6.8	207 19.3	23 7.3	31 9.9	38 9.8	51 14.0	83 26.2

6m. MINATURE GOLF/3 PAR GOLF (The scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	468 25.8	55 27.0	41 20.1	69 33.7	76 38.0	23 23.0	21 21.0	48 24.0	40 20.0	43 21.5	52 26.0	389 26.2	79 24.2	68 20.9	406 26.8	234 22.6	287 26.8	79 25.2	72 23.1	101 26.0	106 29.2	76 24.0
2-	318 17.5	54 26.5	36 17.6	52 25.4	15 7.5	17 17.0	20 20.0	42 21.0	18 9.0	36 18.0	28 14.0	279 18.8	39 12.0	64 19.6	259 17.1	210 20.3	181 16.9	64 20.4	67 21.5	73 18.8	64 17.6	43 13.6
3-	305 16.8	49 24.0	46 22.5	47 22.9	43 21.5	17 17.0	12 12.0	27 13.5	16 8.0	34 17.0	14 7.0	273 18.4	32 9.8	79 24.2	233 15.4	207 20.0	164 15.3	63 20.1	63 20.2	74 19.0	43 11.8	56 17.7
4-Definitely Needed	454 25.0	35 17.2	73 35.8	29 14.1	33 16.5	30 30.0	37 37.0	52 26.0	45 22.5	38 19.0	82 41.0	383 25.8	71 21.8	92 28.2	368 24.3	308 29.7	244 22.8	85 27.2	84 26.9	103 26.5	95 26.2	71 22.4
Don't know/not familiar	268 14.8	11 5.4	8 3.9	8 3.9	33 16.5	13 13.0	10 10.0	31 15.5	81 40.5	49 24.5	24 12.0	163 11.0	105 32.2	23 7.1	247 16.3	78 7.5	195 18.2	22 7.0	26 8.3	38 9.8	55 15.2	71 22.4



6n. DISC GOLF OR FRISBEE GOLF (A GOLF GAME THAT IS PLAYED WITH FRISBEES) (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	508 28.0	57 27.9	51 25.0	71 34.6	80 40.0	31 31.0	25 25.0	51 25.5	38 19.0	52 26.0	52 26.0	428 28.8	80 24.5	74 22.7	439 29.0	264 25.5	314 29.3	81 25.9	79 25.3	105 27.0	120 33.1	89 28.1
2-	343 18.9	65 31.9	36 17.6	65 31.7	22 11.0	20 20.0	18 18.0	34 17.0	22 11.0	33 16.5	28 14.0	308 20.7	35 10.7	81 24.8	268 17.7	223 21.5	194 18.1	70 22.4	76 24.4	92 23.7	60 16.5	39 12.3
3-	260 14.3	36 17.6	40 19.6	36 17.6	34 17.0	10 10.0	14 14.0	22 11.0	16 8.0	34 17.0	18 9.0	229 15.4	31 9.5	69 21.2	201 13.3	174 16.8	135 12.6	56 17.9	45 14.4	66 17.0	47 12.9	41 12.9
4-Definitely Needed	376 20.7	28 13.7	63 30.9	14 6.8	30 15.0	23 23.0	31 31.0	48 24.0	36 18.0	30 15.0	73 36.5	315 21.2	61 18.7	70 21.5	310 20.5	272 26.2	193 18.0	78 24.9	79 25.3	79 20.3	75 20.7	52 16.4
Don't know/not familiar	326 18.0	18 8.8	14 6.9	19 9.3	34 17.0	16 16.0	12 12.0	45 22.5	88 44.0	51 25.5	29 14.5	207 13.9	119 36.5	32 9.8	295 19.5	104 10.0	235 21.9	28 8.9	33 10.6	47 12.1	61 16.8	96 30.3

6o. SOFTBALL FIELDS (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	333 18.4	27 13.2	23 11.3	39 19.0	57 28.5	33 33.0	15 15.0	47 23.5	26 13.0	30 15.0	36 18.0	271 18.2	62 19.0	35 10.7	301 19.9	153 14.8	216 20.2	48 15.3	53 17.0	66 17.0	69 19.0	66 20.8
2-	306 16.9	44 21.6	30 14.7	61 29.8	30 15.0	17 17.0	20 20.0	36 18.0	23 11.5	30 15.0	15 7.5	272 18.3	34 10.4	65 19.9	245 16.2	207 20.0	168 15.7	69 22.0	60 19.2	77 19.8	58 16.0	36 11.4
3-	360 19.9	63 30.9	49 24.0	60 29.3	46 23.0	9 9.0	16 16.0	34 17.0	20 10.0	38 19.0	25 12.5	311 20.9	49 15.0	73 22.4	296 19.6	241 23.2	193 18.0	80 25.6	75 24.0	78 20.1	66 18.2	50 15.8
4-Definitely Needed	544 30.0	58 28.4	97 47.5	37 18.0	34 17.0	18 18.0	30 30.0	55 27.5	56 28.0	56 28.0	103 51.5	470 31.6	74 22.7	133 40.8	420 27.8	351 33.8	304 28.4	89 28.4	91 29.2	131 33.7	123 33.9	91 28.7
Don't know/not familiar	270 14.9	12 5.9	5 2.5	8 3.9	33 16.5	23 23.0	19 19.0	28 14.0	75 37.5	46 23.0	21 10.5	163 11.0	107 32.8	20 6.1	251 16.6	85 8.2	190 17.7	27 8.6	33 10.6	37 9.5	47 12.9	74 23.3

6p. FOOTBALL FIELDS (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	400 22.1	43 21.1	28 13.7	55 26.8	56 28.0	36 36.0	18 18.0	58 29.0	35 17.5	36 18.0	35 17.5	334 22.5	66 20.2	52 16.0	351 23.2	188 18.1	260 24.3	52 16.6	65 20.8	82 21.1	92 25.3	78 24.6
2-	304 16.8	56 27.5	30 14.7	58 28.3	25 12.5	12 12.0	21 21.0	33 16.5	30 15.0	26 13.0	13 6.5	270 18.2	34 10.4	59 18.1	251 16.6	181 17.5	182 17.0	62 19.8	55 17.6	86 22.1	56 15.4	39 12.3
3-	315 17.4	49 24.0	37 18.1	48 23.4	46 23.0	13 13.0	16 16.0	32 16.0	13 6.5	38 19.0	23 11.5	269 18.1	46 14.1	64 19.6	254 16.8	213 20.5	170 15.9	74 23.6	58 18.6	70 18.0	56 15.4	49 15.5
4-Definitely Needed	513 28.3	45 22.1	103 50.5	35 17.1	40 20.0	14 14.0	24 24.0	50 25.0	41 20.5	52 26.0	109 54.5	444 29.9	69 21.2	131 40.2	393 26.0	363 35.0	263 24.6	96 30.7	100 32.1	110 28.3	111 30.6	76 24.0
Don't know/not familiar	281 15.5	11 5.4	6 2.9	9 4.4	33 16.5	25 25.0	21 21.0	27 13.5	81 40.5	48 24.0	20 10.0	170 11.4	111 34.0	20 6.1	264 17.4	92 8.9	196 18.3	29 9.3	34 10.9	41 10.5	48 13.2	75 23.7

6q. PRACTICE ATHLETIC FIELDS (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	325 17.9	30 14.7	25 12.3	32 15.6	51 25.5	33 33.0	13 13.0	46 23.0	32 16.0	31 15.5	32 16.0	263 17.7	62 19.0	40 12.3	288 19.0	135 13.0	224 20.9	44 14.1	43 13.8	63 16.2	85 23.4	62 19.6
2-	311 17.2	60 29.4	38 18.6	55 26.8	33 16.5	14 14.0	19 19.0	28 14.0	19 9.5	30 15.0	15 7.5	274 18.4	37 11.3	68 20.9	250 16.5	186 17.9	181 16.9	56 17.9	64 20.5	79 20.3	60 16.5	45 14.2
3-	335 18.5	48 23.5	31 15.2	63 30.7	55 27.5	15 15.0	16 16.0	34 17.0	16 8.0	37 18.5	20 10.0	290 19.5	45 13.8	73 22.4	269 17.8	220 21.2	186 17.4	81 25.9	57 18.3	76 19.5	68 18.7	45 14.2
4-Definitely Needed	540 29.8	55 27.0	100 49.0	42 20.5	27 13.5	14 14.0	28 28.0	64 32.0	44 22.0	54 27.0	112 56.0	476 32.0	64 19.6	130 39.9	418 27.6	401 38.7	264 24.6	103 32.9	111 35.6	125 32.1	100 27.5	80 25.2
Don't know/not familiar	302 16.7	11 5.4	10 4.9	13 6.3	34 17.0	24 24.0	24 24.0	28 14.0	89 44.5	48 24.0	21 10.5	184 12.4	118 36.2	15 4.6	288 19.0	95 9.2	216 20.2	29 9.3	37 11.9	46 11.8	50 13.8	85 26.8

6r. TENNIS COURTS (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	324 17.9	39 19.1	28 13.7	29 14.1	61 30.5	33 33.0	11 11.0	39 19.5	20 10.0	28 14.0	36 18.0	266 17.9	58 17.8	49 15.0	280 18.5	152 14.7	207 19.3	51 16.3	46 14.7	63 16.2	79 21.8	56 17.7
2-	290 16.0	50 24.5	29 14.2	55 26.8	35 17.5	9 9.0	22 22.0	35 17.5	16 8.0	21 10.5	18 9.0	254 17.1	36 11.0	61 18.7	236 15.6	171 16.5	167 15.6	56 17.9	62 19.9	72 18.5	51 14.0	39 12.3
3-	397 21.9	59 28.9	54 26.5	77 37.6	40 20.0	16 16.0	20 20.0	31 15.5	26 13.0	45 22.5	29 14.5	341 22.9	56 17.2	81 24.8	323 21.3	260 25.1	220 20.5	94 30.0	69 22.1	93 23.9	68 18.7	66 20.8
4-Definitely Needed	559 30.8	47 23.0	87 42.6	39 19.0	32 16.0	23 23.0	37 37.0	68 34.0	72 36.0	60 30.0	94 47.0	483 32.5	76 23.3	122 37.4	444 29.3	393 37.9	298 27.8	89 28.4	113 36.2	132 33.9	122 33.6	83 26.2
Don't know/not familiar	243 13.4	9 4.4	6 2.9	5 2.4	32 16.0	19 19.0	10 10.0	27 13.5	66 33.0	46 23.0	23 11.5	143 9.6	100 30.7	13 4.0	230 15.2	61 5.9	179 16.7	23 7.3	22 7.1	29 7.5	43 11.8	73 23.0

6s. SAND VOLLEYBALL (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Not needed	366 20.2	41 20.1	33 16.2	48 23.4	49 24.5	27 27.0	14 14.0	56 28.0	22 11.0	32 16.0	44 22.0	302 20.3	64 19.6	53 16.3	318 21.0	184 17.7	227 21.2	52 16.6	55 17.6	80 20.6	84 23.1	70 22.1
2-	303 16.7	42 20.6	37 18.1	60 29.3	24 12.0	14 14.0	27 27.0	36 18.0	23 11.5	23 11.5	17 8.5	268 18.0	35 10.7	60 18.4	248 16.4	177 17.1	181 16.9	62 19.8	51 16.3	70 18.0	67 18.5	46 14.5
3-	358 19.7	65 31.9	43 21.1	54 26.3	55 27.5	16 16.0	14 14.0	28 14.0	18 9.0	44 22.0	21 10.5	311 20.9	47 14.4	83 25.5	285 18.8	217 20.9	211 19.7	72 23.0	76 24.4	81 20.8	70 19.3	51 16.1
4-Definitely Needed	488 26.9	44 21.6	85 41.7	34 16.6	36 18.0	21 21.0	25 25.0	51 25.5	48 24.0	53 26.5	91 45.5	429 28.9	59 18.1	114 35.0	380 25.1	370 35.7	239 22.3	100 31.9	99 31.7	114 29.3	91 25.1	64 20.2
Don't know/not familiar	298 16.4	12 5.9	6 2.9	9 4.4	36 18.0	22 22.0	20 20.0	29 14.5	89 44.5	48 24.0	27 13.5	177 11.9	121 37.1	16 4.9	282 18.6	89 8.6	213 19.9	27 8.6	31 9.9	44 11.3	51 14.0	86 27.1

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6t. **SKATE PARK** (A PARK DESIGNED SPECIFICALLY FOR INLINE SKATING AND SKATE BOARDING) (Again the scale is 4 being definitely needed and 1 being not needed)

	District											Park User		Program User		Children in Household		Age of Respondent					
	Total	A	B	C	D	E	E	F	G	H	I	Yes	No	Yes	No	Yes	No	Under	35-44	45-54	55-64	65+	
						North	South											35					
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317	
1-Not needed	424	35	42	62	49	34	24	56	30	46	46	359	65	63	367	207	271	70	63	90	100	75	
	23.4	17.2	20.6	30.2	24.5	34.0	24.0	28.0	15.0	23.0	23.0	24.1	19.9	19.3	24.3	20.0	25.3	22.4	20.2	23.1	27.5	23.7	
2-	303	48	43	63	17	16	19	36	17	31	13	266	37	66	243	208	157	66	61	72	57	40	
	16.7	23.5	21.1	30.7	8.5	16.0	19.0	18.0	8.5	15.5	6.5	17.9	11.3	20.2	16.1	20.1	14.7	21.1	19.6	18.5	15.7	12.6	
3-	323	61	44	41	50	11	16	23	23	34	20	274	49	77	255	169	197	58	58	78	63	56	
	17.8	29.9	21.6	20.0	25.0	11.0	16.0	11.5	11.5	17.0	10.0	18.4	15.0	23.6	16.9	16.3	18.4	18.5	18.6	20.1	17.4	17.7	
4-Definitely Needed	469	52	66	29	46	18	21	57	49	39	92	408	61	100	374	367	232	96	95	103	96	61	
	25.9	25.5	32.4	14.1	23.0	18.0	21.0	28.5	24.5	19.5	46.0	27.4	18.7	30.7	24.7	35.4	21.7	30.7	30.4	26.5	26.4	19.2	
Don't know/not familiar	294	8	9	10	38	21	20	28	81	50	29	180	114	20	274	86	214	23	35	46	47	85	
	16.2	3.9	4.4	4.9	19.0	21.0	20.0	14.0	40.5	25.0	14.5	12.1	35.0	6.1	18.1	8.3	20.0	7.3	11.2	11.8	12.9	26.8	

7. Are there areas or neighborhoods in the City of Houston that you feel need a park? (Ask for a yes or no response ----- if yes, ask: where specifically is a park needed)

	District											Park User		Program User		Children in Household		Age of Respondent					
	Total	A	B	C	D	E	E	F	G	H	I	Yes	No	Yes	No	Yes	No	Under	35-44	45-54	55-64	65+	
						North	South											35					
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317	
Yes-where specifically? (Write in response below)	476	54	83	78	53	19	15	58	53	46	17	425	51	131	360	305	268	79	85	141	95	61	
	26.3	26.5	40.7	38.0	26.5	19.0	15.0	29.0	26.5	23.0	8.5	28.6	15.6	40.2	23.8	29.4	25.0	25.2	27.2	36.2	26.2	19.2	
No	665	98	89	84	114	43	43	57	16	74	47	549	116	130	541	414	378	141	123	128	130	111	
	36.7	48.0	43.6	41.0	57.0	43.0	43.0	28.5	8.0	37.0	23.5	36.9	35.6	39.9	35.8	39.9	35.3	45.0	39.4	32.9	35.8	35.0	
Don't know	672	52	32	43	33	38	42	85	131	80	136	513	159	65	612	318	425	93	104	120	138	145	
	37.1	25.5	15.7	21.0	16.5	38.0	42.0	42.5	65.5	40.0	68.0	34.5	48.8	19.9	40.4	30.7	39.7	29.7	33.3	30.8	38.0	45.7	

8a. In order to develop and maintain the park and recreation improvements you have suggested, how strongly would you support EACH of the following funding options? Please rate each on a scale from 1 to 4 with 4 being strong support and 1 being low support. **AN INCREASE IN USER FEES** (PAYING A FEE TO USE A FACILITY OR PROGRAM)

	District											Park User		Program User		Children in Household		Age of Respondent					
	Total	A	B	C	D	E	E	F	G	H	I	Yes	No	Yes	No	Yes	No	Under	35-44	45-54	55-64	65+	
						North	South											35					
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317	
1-Low support	557 30.7	53 26.0	62 30.4	71 34.6	34 17.0	29 29.0	37 37.0	45 22.5	65 32.5	84 42.0	77 38.5	452 30.4	105 32.2	95 29.1	468 30.9	320 30.9	336 31.4	89 28.4	88 28.2	128 32.9	122 33.6	90 28.4	
2-	342 18.9	58 28.4	39 19.1	45 22.0	41 20.5	16 16.0	20 20.0	44 22.0	25 12.5	27 13.5	27 13.5	298 20.0	44 13.5	60 18.4	286 18.9	192 18.5	203 19.0	69 22.0	64 20.5	62 15.9	72 19.8	62 19.6	
3-	346 19.1	42 20.6	34 16.7	40 19.5	56 28.0	31 31.0	19 19.0	45 22.5	20 10.0	33 16.5	26 13.0	299 20.1	47 14.4	69 21.2	283 18.7	203 19.6	208 19.4	68 21.7	55 17.6	83 21.3	68 18.7	61 19.2	
4-Strong support	394 21.7	33 16.2	56 27.5	39 19.0	44 22.0	21 21.0	24 24.0	47 23.5	45 22.5	35 17.5	50 25.0	334 22.5	60 18.4	81 24.8	320 21.2	282 27.2	207 19.3	65 20.8	76 24.4	103 26.5	77 21.2	60 18.9	
No opinion/not familiar	174 9.6	18 8.8	13 6.4	10 4.9	25 12.5	3 3.0	0 0.0	19 9.5	45 22.5	21 10.5	20 10.0	104 7.0	70 21.5	21 6.4	156 10.3	40 3.9	117 10.9	22 7.0	29 9.3	13 3.3	24 6.6	44 13.9	

**8b. CORPORATE ADVERTISING OR NAMING RIGHTS IN PARKS (CORPORATIONS THAT PAY A FEE TO HAVE THEIR NAME ADVERTISED IN A PARK OR A PARK NAMED AFTER THEIR COMPANY)** (Read only if necessary)  
(Again the scale is 1 to 4 with 4 being strong support and 1 being low support.)

	District											Park User		Program User		Children in Household		Age of Respondent					
	Total	A	B	C	D	E	E	F	G	H	I	Yes	No	Yes	No	Yes	No	Under	35-44	45-54	55-64	65+	
						North	South											35					
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317	
1-Low support	251 13.8	31 15.2	27 13.2	35 17.1	25 12.5	10 10.0	23 23.0	24 12.0	24 12.0	34 17.0	18 9.0	192 12.9	59 18.1	46 14.1	208 13.7	108 10.4	171 16.0	29 9.3	34 10.9	49 12.6	60 16.5	54 17.0	
2-	176 9.7	30 14.7	19 9.3	30 14.6	22 11.0	14 14.0	7 7.0	14 7.0	12 6.0	24 12.0	4 2.0	157 10.6	19 5.8	44 13.5	136 9.0	86 8.3	109 10.2	40 12.8	29 9.3	36 9.3	34 9.4	31 9.8	
3-	357 19.7	45 22.1	54 26.5	44 21.5	58 29.0	19 19.0	16 16.0	37 18.5	22 11.0	31 15.5	31 15.5	304 20.4	53 16.3	63 19.3	298 19.7	234 22.6	202 18.9	75 24.0	52 16.7	89 22.9	69 19.0	60 18.9	
4-Strong support	839 46.3	88 43.1	91 44.6	89 43.4	66 33.0	45 45.0	46 46.0	105 52.5	95 47.5	84 42.0	130 65.0	718 48.3	121 37.1	150 46.0	702 46.4	563 54.3	462 43.1	142 45.4	174 55.8	199 51.2	172 47.4	120 37.9	
No opinion/not familiar	190 10.5	10 4.9	13 6.4	7 3.4	29 14.5	12 12.0	8 8.0	20 10.0	47 23.5	27 13.5	17 8.5	116 7.8	74 22.7	23 7.1	169 11.2	46 4.4	127 11.9	27 8.6	23 7.4	16 4.1	28 7.7	52 16.4	

**8c. VOTER APPROVED BOND PROGRAMS (BONDS PROVIDE THE FUNDS TO BUILD OR RENOVATE PARKS)**  
(Again the scale is 1 to 4 with 4 being strong support and 1 being low support.)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E	E	F	G	H	I	Yes	No	Yes	No	Yes	No	Under	35-44	45-54	55-64	65+
						North	South											35				
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Low support	292 16.1	31 15.2	29 14.2	29 14.1	31 15.5	26 26.0	23 23.0	39 19.5	30 15.0	34 17.0	20 10.0	215 14.5	77 23.6	35 10.7	260 17.2	129 12.4	208 19.4	29 9.3	45 14.4	69 17.7	67 18.5	62 19.6
2-	256 14.1	36 17.6	21 10.3	42 20.5	21 10.5	23 23.0	12 12.0	22 11.0	24 12.0	28 14.0	27 13.5	217 14.6	39 12.0	53 16.3	211 13.9	174 16.8	141 13.2	56 17.9	48 15.4	57 14.7	48 13.2	37 11.7
3-	402 22.2	58 28.4	45 22.1	52 25.4	58 29.0	16 16.0	24 24.0	50 25.0	16 8.0	39 19.5	44 22.0	354 23.8	48 14.7	76 23.3	330 21.8	263 25.4	221 20.6	98 31.3	64 20.5	84 21.6	69 19.0	71 22.4
4-Strong support	649 35.8	63 30.9	96 47.1	70 34.1	61 30.5	24 24.0	33 33.0	72 36.0	75 37.5	78 39.0	77 38.5	559 37.6	90 27.6	135 41.4	524 34.6	402 38.8	373 34.8	93 29.7	120 38.5	157 40.4	151 41.6	102 32.2
No opinion/not familiar	214 11.8	16 7.8	13 6.4	12 5.9	29 14.5	11 11.0	8 8.0	17 8.5	55 27.5	21 10.5	32 16.0	142 9.5	72 22.1	27 8.3	188 12.4	69 6.7	128 12.0	37 11.8	35 11.2	22 5.7	28 7.7	45 14.2

**8d. VOTER APPROVED SALES TAX (A SMALL PORTION OF A SALES TAX WOULD GO TO FUND PARKS)**  
(Again the scale is 1 to 4 with 4 being strong support and 1 being low support.)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E	E	F	G	H	I	Yes	No	Yes	No	Yes	No	Under	35-44	45-54	55-64	65+
						North	South											35				
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Low support	664 36.6	77 37.7	55 27.0	79 38.5	37 18.5	47 47.0	41 41.0	104 52.0	75 37.5	96 48.0	53 26.5	531 35.7	133 40.8	97 29.8	576 38.1	323 31.1	435 40.6	87 27.8	109 34.9	139 35.7	162 44.6	125 39.4
2-	282 15.6	41 20.1	32 15.7	41 20.0	29 14.5	18 18.0	21 21.0	19 9.5	18 9.0	27 13.5	36 18.0	247 16.6	35 10.7	71 21.8	219 14.5	216 20.8	139 13.0	81 25.9	44 14.1	68 17.5	45 12.4	37 11.7
3-	269 14.8	29 14.2	31 15.2	40 19.5	50 25.0	15 15.0	13 13.0	22 11.0	14 7.0	22 11.0	33 16.5	239 16.1	30 9.2	42 12.9	229 15.1	169 16.3	158 14.8	56 17.9	51 16.3	53 13.6	49 13.5	53 16.7
4-Strong support	412 22.7	41 20.1	72 35.3	32 15.6	53 26.5	16 16.0	20 20.0	39 19.5	49 24.5	40 20.0	50 25.0	351 23.6	61 18.7	93 28.5	324 21.4	280 27.0	225 21.0	57 18.2	76 24.4	113 29.0	87 24.0	62 19.6
No opinion/not familiar	186 10.3	16 7.8	14 6.9	13 6.3	31 15.5	4 4.0	5 5.0	16 8.0	44 22.0	15 7.5	28 14.0	119 8.0	67 20.6	23 7.1	165 10.9	49 4.7	114 10.6	32 10.2	32 10.3	16 4.1	20 5.5	40 12.6

8e. IMPACT FEES FOR DEVELOPERS (DEVELOPERS WOULD PAY A FEE ON EACH LOT DEVELOPED THAT WOULD GO TO PARKS) (Again the scale is 1 to 4 with 4 being strong support and 1 being low support.)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Low support	265 14.6	22 10.8	20 9.8	25 12.2	30 15.0	14 14.0	19 19.0	74 37.0	18 9.0	28 14.0	15 7.5	211 14.2	54 16.6	36 11.0	231 15.3	134 12.9	174 16.2	37 11.8	41 13.1	53 13.6	62 17.1	51 16.1
2-	221 12.2	39 19.1	35 17.2	40 19.5	20 10.0	13 13.0	11 11.0	17 8.5	14 7.0	19 9.5	13 6.5	194 13.0	27 8.3	55 16.9	170 11.2	157 15.1	120 11.2	54 17.3	43 13.8	47 12.1	41 11.3	31 9.8
3-	365 20.1	47 23.0	40 19.6	53 25.9	60 30.0	16 16.0	15 15.0	31 15.5	14 7.0	49 24.5	40 20.0	326 21.9	39 12.0	70 21.5	302 20.0	250 24.1	192 17.9	81 25.9	70 22.4	86 22.1	51 14.0	61 19.2
4-Strong support	716 39.5	76 37.3	86 42.2	77 37.6	59 29.5	50 50.0	48 48.0	53 26.5	90 45.0	78 39.0	99 49.5	601 40.4	115 35.3	131 40.2	596 39.4	413 39.8	434 40.5	108 34.5	123 39.4	173 44.5	170 46.8	118 37.2
No opinion/not familiar	246 13.6	20 9.8	23 11.3	10 4.9	31 15.5	7 7.0	7 7.0	25 12.5	64 32.0	26 13.0	33 16.5	155 10.4	91 27.9	34 10.4	214 14.1	83 8.0	151 14.1	33 10.5	35 11.2	30 7.7	39 10.7	56 17.7

8f. INCREASED PROPERTY TAXES (Again the scale is 1 to 4 with 4 being strong support and 1 being low support.)

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
1-Low support	1260 69.5	125 61.3	125 61.3	135 65.9	127 63.5	81 81.0	72 72.0	152 76.0	141 70.5	153 76.5	149 74.5	1032 69.4	228 69.9	203 62.3	1072 70.9	711 68.6	779 72.7	193 61.7	210 67.3	270 69.4	282 77.7	235 74.1
2-	214 11.8	35 17.2	27 13.2	39 19.0	25 12.5	12 12.0	19 19.0	14 7.0	11 5.5	19 9.5	13 6.5	193 13.0	21 6.4	55 16.9	165 10.9	150 14.5	109 10.2	54 17.3	39 12.5	57 14.7	29 8.0	29 9.1
3-	101 5.6	16 7.8	14 6.9	18 8.8	13 6.5	2 2.0	5 5.0	9 4.5	11 5.5	8 4.0	5 2.5	89 6.0	12 3.7	20 6.1	82 5.4	56 5.4	58 5.4	21 6.7	16 5.1	28 7.2	20 5.5	12 3.8
4-Strong support	107 5.9	14 6.9	24 11.8	7 3.4	11 5.5	3 3.0	3 3.0	12 6.0	8 4.0	6 3.0	19 9.5	92 6.2	15 4.6	25 7.7	83 5.5	88 8.5	53 4.9	20 6.4	24 7.7	22 5.7	23 6.3	16 5.0
No opinion/not familiar	131 7.2	14 6.9	14 6.9	6 2.9	24 12.0	2 2.0	1 1.0	13 6.5	29 14.5	14 7.0	14 7.0	81 5.4	50 15.3	23 7.1	111 7.3	32 3.1	72 6.7	25 8.0	23 7.4	12 3.1	9 2.5	25 7.9

9. If the City of Houston Park and Recreation Department had additional funds, in which ONE OR TWO areas would you want those funds spent? *(Read list, top one or two answers)*

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
Enhance park maintenance	476 18.7	48 16.3	40 14.2	46 15.0	116 40.3	28 16.9	26 16.4	33 12.6	28 11.0	32 12.1	79 29.0	410 19.2	66 15.9	94 19.5	388 18.4	305 19.6	274 18.6	96 21.4	78 17.3	109 18.9	91 18.1	87 20.3
Develop new parks and facilities	426 16.7	50 17.0	58 20.6	59 19.2	58 20.1	25 15.1	28 17.6	34 13.0	50 19.7	39 14.8	25 9.2	365 17.1	61 14.7	79 16.4	357 16.9	277 17.8	240 16.3	78 17.4	81 17.9	101 17.5	85 16.9	68 15.9
Improve landscaping in parks and along roadways	300 11.8	38 12.9	38 13.5	30 9.8	40 13.9	21 12.7	15 9.4	38 14.5	21 8.3	28 10.6	31 11.4	241 11.3	59 14.2	51 10.6	252 11.9	186 11.9	172 11.7	53 11.8	58 12.8	64 11.1	56 11.1	56 13.1
Revitalization of existing parks	818 32.1	97 33.0	72 25.5	106 34.5	49 17.0	56 33.7	59 37.1	81 30.9	74 29.1	110 41.7	114 41.9	707 33.2	111 26.7	148 30.8	681 32.3	494 31.7	493 33.5	114 25.4	146 32.3	196 34.0	177 35.2	143 33.3
New and improved special events	260 10.2	27 9.2	40 14.2	29 9.4	4 1.4	32 19.3	29 18.2	46 17.6	16 6.3	26 9.8	11 4.0	225 10.6	35 8.4	53 11.0	214 10.1	201 12.9	130 8.8	79 17.6	47 10.4	65 11.3	42 8.3	25 5.8
Any others? (write in response below)	121 4.7	19 6.5	13 4.6	25 8.1	6 2.1	0 0.0	1 0.6	15 5.7	20 7.9	15 5.7	7 2.6	101 4.7	20 4.8	35 7.3	90 4.3	68 4.4	76 5.2	17 3.8	20 4.4	28 4.9	26 5.2	21 4.9
None of the above	147 5.8	15 5.1	21 7.4	12 3.9	15 5.2	4 2.4	1 0.6	15 5.7	45 17.7	14 5.3	5 1.8	83 3.9	64 15.4	21 4.4	128 6.1	28 1.8	87 5.9	12 2.7	22 4.9	14 2.4	26 5.2	29 6.8

And just four short questions for classification purposes

10. How long have you been a resident of Houston? *(Read list, check only one answer)*

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
Less than 2 years	92 5.1	8 3.9	1 0.5	14 6.8	4 2.0	11 11.0	2 2.0	24 12.0	11 5.5	11 5.5	6 3.0	72 4.8	20 6.1	7 2.1	85 5.6	59 5.7	52 4.9	37 11.8	21 6.7	19 4.9	6 1.7	5 1.6
2 to 5 years	134 7.4	7 3.4	8 3.9	12 5.9	9 4.5	23 23.0	10 10.0	16 8.0	17 8.5	7 3.5	25 12.5	112 7.5	22 6.7	16 4.9	118 7.8	105 10.1	64 6.0	46 14.7	26 8.3	29 7.5	19 5.2	9 2.8
6 to 10 years	157 8.7	17 8.3	8 3.9	20 9.8	9 4.5	9 9.0	10 10.0	18 9.0	23 11.5	10 5.0	33 16.5	132 8.9	25 7.7	26 8.0	135 8.9	133 12.8	64 6.0	47 15.0	40 12.8	32 8.2	24 6.6	8 2.5
11 to 20 years	231 12.7	36 17.6	12 5.9	35 17.1	17 8.5	26 26.0	16 16.0	23 11.5	17 8.5	11 5.5	38 19.0	205 13.8	26 8.0	40 12.3	191 12.6	212 20.4	100 9.3	67 21.4	60 19.2	56 14.4	30 8.3	15 4.7
Over 20 years	1119 61.7	125 61.3	156 76.5	113 55.1	151 75.5	29 29.0	60 60.0	116 58.0	117 58.5	159 79.5	93 46.5	915 61.5	204 62.6	223 68.4	917 60.6	523 50.4	770 71.9	110 35.1	141 45.2	250 64.3	274 75.5	274 86.4
Prefer not to answer	80 4.4	11 5.4	19 9.3	11 5.4	10 5.0	2 2.0	2 2.0	3 1.5	15 7.5	2 1.0	5 2.5	51 3.4	29 8.9	14 4.3	67 4.4	5 0.5	21 2.0	6 1.9	24 7.7	3 0.8	10 2.8	6 1.9



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11. Do you have children in your household under 19 years of age? *(Interviewer note: If no children in household check "no children in household under 19" and go to the next question. If yes, ask: are they 0 to 5, 6 to 10, 11 to 13 or 14 to 19 and check all that apply)*

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
0 to 5 years old	256 11.6	32 12.7	33 13.0	39 16.6	22 9.4	17 13.4	22 15.9	22 8.9	13 5.9	21 8.9	35 13.4	241 13.0	15 4.4	63 13.9	200 11.2	451 22.8	0 0.0	130 30.3	66 14.4	41 8.4	12 3.1	7 2.2
6 to 10 years old	289 13.1	30 12.0	33 13.0	28 11.9	25 10.7	21 16.5	17 12.3	39 15.7	23 10.5	24 10.2	49 18.7	275 14.8	14 4.1	80 17.7	216 12.1	578 29.3	0 0.0	94 21.9	112 24.4	64 13.1	11 2.9	5 1.5
11 to 13 years old	220 10.0	21 8.4	26 10.3	20 8.5	12 5.1	18 14.2	24 17.4	31 12.5	12 5.5	16 6.8	40 15.3	209 11.2	11 3.2	69 15.3	159 8.9	461 23.4	0 0.0	51 11.9	79 17.2	71 14.5	14 3.7	3 0.9
14 to 19 years old	287 13.0	47 18.7	40 15.8	29 12.3	27 11.5	23 18.1	29 21.0	31 12.5	13 5.9	21 8.9	27 10.3	265 14.2	22 6.4	93 20.6	202 11.3	484 24.5	0 0.0	51 11.9	94 20.5	106 21.7	29 7.6	7 2.2
No children in household under 19 years old	1071 48.6	112 44.6	104 41.1	109 46.4	141 60.3	45 35.4	45 32.6	121 48.8	144 65.5	147 62.6	103 39.3	816 43.8	255 74.6	131 29.0	947 52.9	0 0.0	1073 100.0	95 22.1	82 17.9	201 41.1	309 80.9	300 92.9
Prefer not to answer	80 3.6	9 3.6	17 6.7	10 4.3	7 3.0	3 2.4	1 0.7	4 1.6	15 6.8	6 2.6	8 3.1	55 3.0	25 7.3	16 3.5	66 3.7	0 0.0	0 0.0	8 1.9	26 5.7	6 1.2	7 1.8	1 0.3

12. How many persons, including yourself, reside within your household? Would you say one, two, three or four or more? *(Check one answer only)*

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
						North	South															
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
One	388 21.4	32 15.7	21 10.3	40 19.5	58 29.0	9 9.0	11 11.0	55 27.5	61 30.5	69 34.5	32 16.0	275 18.5	113 34.7	44 13.5	347 22.9	6 0.6	381 35.6	28 8.9	25 8.0	70 18.0	95 26.2	135 42.6
Two	540 29.8	59 28.9	64 31.4	61 29.8	59 29.5	34 34.0	29 29.0	54 27.0	76 38.0	66 33.0	38 19.0	433 29.1	107 32.8	71 21.8	474 31.3	52 5.0	488 45.6	50 16.0	53 17.0	111 28.5	169 46.6	132 41.6
Three	289 15.9	32 15.7	33 16.2	43 21.0	28 14.0	18 18.0	26 26.0	31 15.5	17 8.5	25 12.5	36 18.0	257 17.3	32 9.8	55 16.9	236 15.6	199 19.2	107 10.0	66 21.1	61 19.6	70 18.0	57 15.7	31 9.8
Four or more	471 26.0	72 35.3	67 32.8	49 23.9	45 22.5	33 33.0	32 32.0	51 25.5	22 11.0	31 15.5	69 34.5	439 29.5	32 9.8	139 42.6	346 22.9	752 72.5	55 5.1	153 48.9	143 45.8	124 31.9	33 9.1	15 4.7
Prefer not to answer	125 6.9	9 4.4	19 9.3	12 5.9	10 5.0	6 6.0	2 2.0	9 4.5	24 12.0	9 4.5	25 12.5	83 5.6	42 12.9	17 5.2	110 7.3	28 2.7	40 3.7	16 5.1	30 9.6	14 3.6	9 2.5	4 1.3

13. And is your age: *(Read list, check only one answer)*

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E North	E South	F	G	H	I	Yes	No	Yes	No	Yes	No	Under 35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
Under 18	23 1.3	7 3.4	5 2.5	3 1.5	5 2.5	0 0.0	0 0.0	1 0.5	0 0.0	2 1.0	0 0.0	21 1.4	2 0.6	10 3.1	15 1.0	31 3.0	3 0.3	23 7.3	0 0.0	0 0.0	0 0.0	0 0.0
18 to 24	85 4.7	15 7.4	11 5.4	10 4.9	10 5.0	3 3.0	4 4.0	11 5.5	4 2.0	6 3.0	11 5.5	75 5.0	10 3.1	22 6.7	65 4.3	66 6.4	34 3.2	85 27.2	0 0.0	0 0.0	0 0.0	0 0.0
25 to 34	205 11.3	17 8.3	16 7.8	35 17.1	20 10.0	13 13.0	13 13.0	23 11.5	13 6.5	22 11.0	33 16.5	193 13.0	12 3.7	28 8.6	179 11.8	225 21.7	58 5.4	205 65.5	0 0.0	0 0.0	0 0.0	0 0.0
35 to 44	312 17.2	37 18.1	44 21.6	35 17.1	23 11.5	24 24.0	24 24.0	43 21.5	26 13.0	26 13.0	30 15.0	291 19.6	21 6.4	68 20.9	251 16.6	347 33.5	82 7.7	0 0.0	312 100.0	0 0.0	0 0.0	0 0.0
45 to 54	389 21.5	56 27.5	42 20.6	52 25.4	36 18.0	30 30.0	22 22.0	40 20.0	34 17.0	45 22.5	32 16.0	331 22.3	58 17.8	80 24.5	314 20.8	277 26.7	201 18.8	0 0.0	0 0.0	389 100.0	0 0.0	0 0.0
55 to 64	363 20.0	34 16.7	38 18.6	36 17.6	38 19.0	16 16.0	21 21.0	49 24.5	51 25.5	34 17.0	46 23.0	288 19.4	75 23.0	60 18.4	306 20.2	64 6.2	309 28.9	0 0.0	0 0.0	0 0.0	363 100.0	0 0.0
65 to 74	198 10.9	20 9.8	26 12.7	21 10.2	27 13.5	11 11.0	9 9.0	16 8.0	19 9.5	31 15.5	18 9.0	155 10.4	43 13.2	37 11.3	164 10.8	15 1.4	187 17.5	0 0.0	0 0.0	0 0.0	0 0.0	198 62.5
75+	119 6.6	15 7.4	12 5.9	11 5.4	24 12.0	1 1.0	4 4.0	11 5.5	10 5.0	21 10.5	10 5.0	80 5.4	39 12.0	16 4.9	104 6.9	7 0.7	113 10.6	0 0.0	0 0.0	0 0.0	0 0.0	119 37.5
Prefer not to answer	119 6.6	3 1.5	10 4.9	2 1.0	17 8.5	2 2.0	3 3.0	6 3.0	43 21.5	13 6.5	20 10.0	53 3.6	66 20.2	5 1.5	115 7.6	5 0.5	84 7.8	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0

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Parks and Recreation 2007 Master Plan Update

Council District:

	District											Park User		Program User		Children in Household		Age of Respondent				
	Total	A	B	C	D	E		F	G	H	I	Yes	No	Yes	No	Yes	No	Under				
						North	South											35	35-44	45-54	55-64	65+
Total	1813	204	204	205	200	100	100	200	200	200	200	1487	326	326	1513	1037	1071	313	312	389	363	317
District A	204	204	0	0	0	0	0	0	0	0	0	182	22	51	157	129	112	39	37	56	34	35
	11.3	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	6.7	15.6	10.4	12.4	10.5	12.5	11.9	14.4	9.4	11.0
District B	204	0	204	0	0	0	0	0	0	0	0	166	38	83	129	128	104	32	44	42	38	38
	11.3	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	11.7	25.5	8.5	12.3	9.7	10.2	14.1	10.8	10.5	12.0
District C	205	0	0	205	0	0	0	0	0	0	0	185	20	56	158	115	109	48	35	52	36	32
	11.3	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	6.1	17.2	10.4	11.1	10.2	15.3	11.2	13.4	9.9	10.1
District D	200	0	0	0	200	0	0	0	0	0	0	146	54	18	182	82	141	35	23	36	38	51
	11.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	16.6	5.5	12.0	7.9	13.2	11.2	7.4	9.3	10.5	16.1
District E-North	100	0	0	0	0	100	0	0	0	0	0	80	20	9	91	79	45	16	24	30	16	12
	5.5	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	5.4	6.1	2.8	6.0	7.6	4.2	5.1	7.7	7.7	4.4	3.8
District E-South	100	0	0	0	0	0	100	0	0	0	0	79	21	11	89	90	45	17	24	22	21	13
	5.5	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	5.3	6.4	3.4	5.9	8.7	4.2	5.4	7.7	5.7	5.8	4.1
District F	200	0	0	0	0	0	0	200	0	0	0	181	19	23	177	123	121	35	43	40	49	27
	11.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	12.2	5.8	7.1	11.7	11.9	11.3	11.2	13.8	10.3	13.5	8.5
District G	200	0	0	0	0	0	0	0	200	0	0	123	77	8	192	61	144	17	26	34	51	29
	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	8.3	23.6	2.5	12.7	5.9	13.4	5.4	8.3	8.7	14.0	9.1
District H	200	0	0	0	0	0	0	0	0	200	0	177	23	45	160	80	147	30	26	45	34	52
	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	11.9	7.1	13.8	10.6	7.7	13.7	9.6	8.3	11.6	9.4	16.4
District I	200	0	0	0	0	0	0	0	0	0	200	168	32	22	178	150	103	44	30	32	46	28
	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	11.3	9.8	6.7	11.8	14.5	9.6	14.1	9.6	8.2	12.7	8.8

## APPENDIX 5 - PROJECT LIST BY COUNCIL DISTRICT

Total needed expenditures per district are:

A	\$144,532,500
B	\$143,915,500
C	\$166,564,000
D	\$93,355,500
E	\$228,767,500
F	\$162,934,500
G	\$183,191,500
H	\$151,377,000
I	<u>\$131,970,500</u>
	<b>\$1,406,608,500</b>

Council District	Equity and Balance		
	Facility Development	Land Acquisition	Total
A	36,920,000	24,750,000	61,670,000
B	32,735,000	22,950,000	55,685,000
C	38,430,000	35,700,000	74,130,000
D	24,125,000	14,250,000	38,375,000
E	55,895,000	47,700,000	103,595,000
F	46,750,000	35,100,000	81,850,000
G	47,315,000	41,550,000	88,865,000
H	36,295,000	28,050,000	64,345,000
I	28,850,000	15,750,000	44,600,000
<b>Total</b>	<b>\$ 347,315,000</b>	<b>\$ 265,800,000</b>	<b>\$ 613,115,000</b>

Council District	Viable Recreation Programming		
	Facility Development	Land Acquisition	Total
A	12,772,500	6,450,000	19,222,500
B	14,462,500	9,600,000	24,062,500
C	18,330,000	16,800,000	35,130,000
D	14,735,500	10,800,000	25,535,500
E	27,930,500	18,150,000	46,080,500
F	11,992,500	5,100,000	17,092,500
G	17,192,500	14,550,000	31,742,500
H	14,248,000	10,200,000	24,448,000
I	14,202,500	9,000,000	23,202,500
<b>Total</b>	<b>\$ 145,866,500</b>	<b>\$ 100,650,000</b>	<b>\$ 246,516,500</b>

Council District	Create Connections		
	Facility Development	Land Acquisition	Total
A	23,140,000	40,500,000	63,640,000
B	23,218,000	40,950,000	64,168,000
C	22,204,000	35,100,000	57,304,000
D	17,745,000	11,700,000	29,445,000
E	32,292,000	46,800,000	79,092,000
F	23,192,000	40,800,000	63,992,000
G	22,984,000	39,600,000	62,584,000
H	22,984,000	39,600,000	62,584,000
I	23,218,000	40,950,000	64,168,000
<b>Total</b>	<b>\$ 210,977,000</b>	<b>\$ 336,000,000</b>	<b>\$ 546,977,000</b>

## APPENDIX 6 - SPARK PARKS

The SPARK School Park Program is a non-profit organization operating out of the City of Houston Mayor's office. Developed in 1983 as a way to increase park space in Houston, Texas, Former City Council Member, Eleanor Tinsley, created SPARK to develop public school grounds into neighborhood parks. An inter-local agreement, one of the first in Houston, between the City, the Houston Parks Board and the school district, formally established the SPARK program. SPARK combines the resources of the Department of Housing and Community Development, seven local school districts, Harris County, the private sector, neighborhood group, PTA/PTO groups and concerned citizens.

Current schools participating in the SPARK program include the following:

### Elementary Schools

Alcott	Alexander
Almeda	Anderson
Ashford	Askew
Atherton	Banks
Bastian	Benavidez
Bendwood	Berry
Betty Best	Bonner
Braeburn	Briargrove
Briscoe	Brock
Browning	Bruce
Buffalo Creek	Burbank
Burrus	Cage
Carrillo	Carroll
Cedar Brook	Chambers
Cimarron	Codwell
Collins	Concord
Coop	Cornelius
Crawford	Crockett
Cummings	Cunningham
Davila	De Zavala
DeChaumes	Dodson
Dogan	Douglass
Durkee	Easter
Edgewood	Eliot
Emerson	Fairchild
Field	Foerster
Fondren	Fonwood
Franklin	Frost
Gallegos	Garcia
Garden Oaks	Garden Villas
Golfcrest	Gregg
Grissom	Harlem

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J. R. Harris  
Hartsfield  
Helms  
Herrera  
Hobby  
Holden  
Houston Gardens  
Janowski  
Anson Jones  
Kashmere Gardens  
Lakewood  
Landis  
Lewis  
Lockhart  
Lyons  
Mading  
McDade  
Meadow Wood  
Milne  
Northline  
Osborne  
Patterson  
Petersen  
Pine Shadows  
Poe  
Pyburn  
Rhoads  
River Oaks  
Rodriguez  
Will Rogers  
Ross  
Ryan  
Shadow Oaks  
Sherman  
Sinclair  
E. O. Smith  
Spring Branch  
Stevenson  
Sutton  
Thompson  
Tijerina  
Travis  
Mark Twain  
Valley Oaks  
Wainwright  
Wharton  
E. White  
Wilchester  
Woodland Acres

R. P. Harris  
Harvard  
J. P. Henderson  
Highland Heights  
Hohl  
Hollibrook  
Isaacs  
Jefferson  
J. Will Jones  
Kennedy  
Lamar  
Lantrip  
Liestman  
Looscan  
MacGregor  
Matthys  
McNamara  
Memorial  
Montgomery  
J. W. Oats  
Park Place  
Peck  
Pilgrim  
Piney Point  
Port Houston  
Reynolds  
Ridgecrest  
Roberts  
T. H. Rogers  
Roosevelt  
Rucker  
Scarborough  
Shadydale  
Sherwood  
Smith  
Katherine Smith  
Spring Shadows  
Sugar Grove  
Terrace  
Tidwell  
Tinsley  
Treasure Forest  
Turner  
Valley West  
West University  
Whidby  
Whittier  
Wilson  
Woodview



**Middle Schools**

Deady  
Fleming  
Hogg  
Jackson  
McReynolds  
T. H. Rogers  
Schultz  
Spring Woods  
Stovall  
West Briar

Edison  
Hamilton  
Holland  
Marshall  
Ortiz  
Ryan  
Sharpstown  
Stevenson  
Waller Jr. High

**High Schools**

Davis  
Sam Houston  
Reagan  
B. T. Washington

Kashmere  
Sharpstown  
Waltrip  
Westbury

**Others**

Energized for Excellence Academy  
Harris Academy  
Young Scholars Academy

Gregory-Lincoln Education Center  
Terrell Alternative