Master Plan for Parks, Recreation and Open Space

phase two

Harris County, Texas

05.20.03

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Master Plan for Parks, Recreation and Open Space

phase two

Study conducted for

Harris County, Texas

under the advisement of the

Harris County Public Infrastructure Department

and the

Harris County Flood Control District

Consultant Team

BCA Bricker + Cannady Architects

Burditt Associates

Gulf Coast Institute

5.20.03

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Spark Park Database
Golf Course Database
Park Database (CD)

I Executive Summary

Introduction

This Phase Two document is a supplement and update of the *Master Plan for Parks, Recreation and Open Space Phase One* document dated 5.4.01.

Phase One of the master plan was an initial investigation that focused on Harris County owned and managed facilities, particularly in the unincorporated areas of the County. Phase Two of the master plan is broader in scope and includes the review and analysis of a consolidated inventory of park and recreational facilities within the County inclusive of state and municipal facilities not owned by the County.

II Existing Parks in Harris County and Geographic Information System

The County Precinct park inventories and maps assembled in Phase One have been updated to reflect changes that have occurred since publication of the Phase One plan. Additionally, the Phase One plan identified 5 prioritized projects for each of the 4 Precincts and proposed a development schedule for the selected projects. This development schedule has also been updated.

Design and implementation of the Harris County Parks Geographic Information System (GIS) included collecting, reviewing, editing and merging numerous existing data from various sources. Additional data has been acquired through the distribution of surveys, and via interviews, meetings and other research efforts. The GIS links spatial data about parks and other geographic features with a relational database. The GIS is a tool to enter, manage, analyze and display, through maps and charts this complex assemblage of information.

III Projected Parks, Recreation and Open Space Needs

Park acreage requirements were calculated based on the Phase I goal of 20 acres per 1,000 population utilizing the population projections from the Houston-Galveston Area Council Regional Analysis Zone data. Acreage deficits are documented for years 2000, 2005, 2010 and 2020. An analysis of current park acreages by park type was also conducted and these finding were compared to historic guidelines established by the National Recreation and Park Association.

Current active recreation amenity quantities were reviewed and compared to standards developed in other municipal master plans. The geographic distribution of these amenities was also reviewed.

IV Harris County Precinct Amenity Priorities

Administration and staff from the Precinct parks departments were surveyed and interviewed to develop a prioritized list of recreational amenities. Thirty-four amenity categories were identified and ranked. Priorities vary from Precinct to Precinct, however the following categories received the highest rankings overall: trails (natural and hard surface), land acquisition/park expansion, soccer fields and playgrounds.

V Municipal Master Plans in Harris County

Park master plans from eleven municipalities within the County were reviewed and compared to identify similarities regarding goals, standards, and priorities. These municipal master plans are generally in agreement with the County's master plan. This suggests further opportunities for partnerships in planning, development and management of park projects.

VI Assessment of Harris County Flood Control District Facilities

Facilities owned or managed by HCFCD are a key component in the acquisition and development of recreational amenities and open space. Forty-nine regional stormwater detention basins were analyzed to identify opportunities for complementary use.

Channel right-of-ways, buy-out properties and floodplain acquisition/ preservation facilities are also discussed. Several existing or planned joint development projects are described, as are the HCFCD function, history, mission and perspective on joint development.

VII Proposed Primary Greenway Plan

Various existing and previously proposed hike and off-street bike trails and greenway plans have been evaluated. Existing trails/ greenways were recorded in the GIS. Previously proposed trails/ greenways were selectively added and newly proposed linkages were located to create the "Primary Greenway Plan".

The intent of this plan is to enhance interconnectivity throughout the park systems, increase preservation of and recreational access to the creeks and bayous, and create additional transportation options. As this plan is implemented, secondary and tertiary plans should be developed to expand the network.

VIII Funding Sources for Parks, Recreation and Open Space

Twenty grant funding sources have been identified and summarized to enhance the County's efforts to secure grant funds. Pertinent information such as agency contacts, funding sources, maximum funds available, purpose, target recipients, deadlines and scoring considerations have been documented.

IX Appendix

This section includes various exhibits supplemental to this report.

II Existing Parks in Harris County and Geographic Information System

Overview

There are currently 658 public parks covering 49,705 acres within Harris County. These parks are divided among the State, County and 24 municipalities as indicated below.

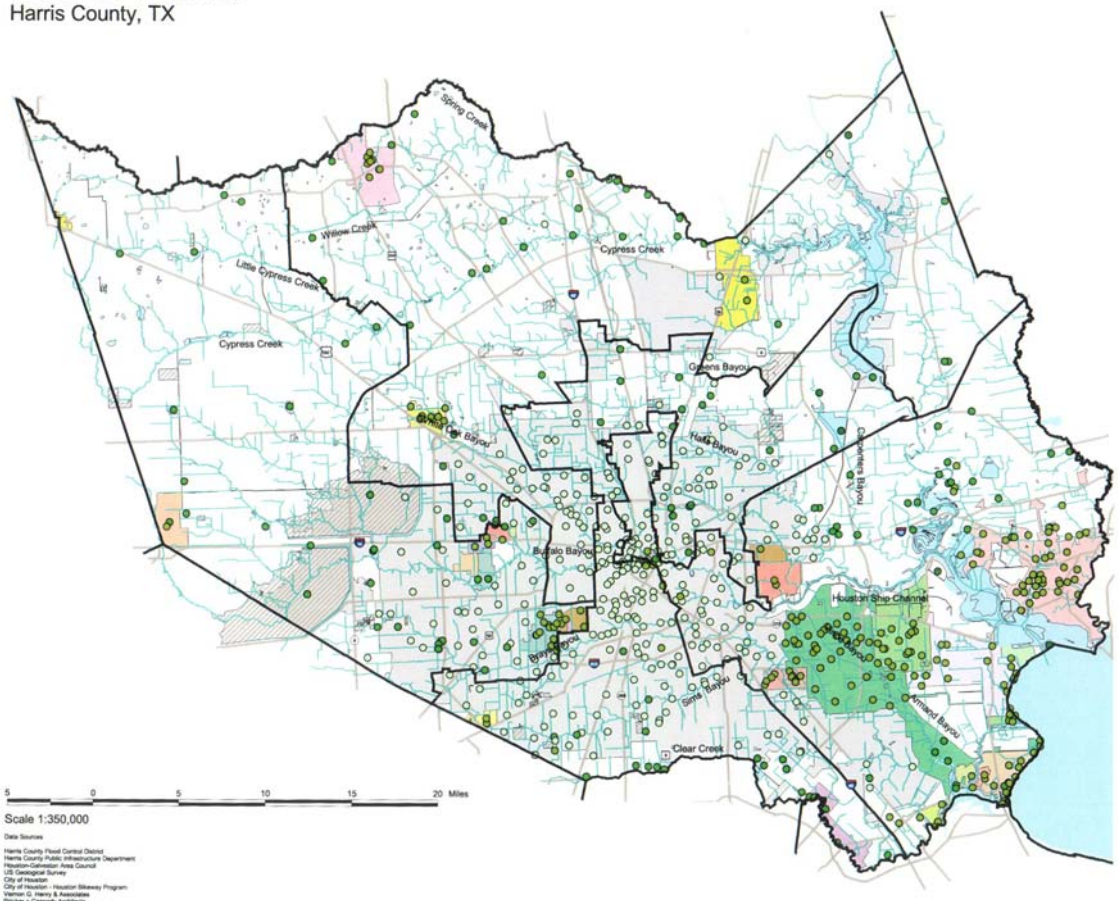
Jurisdiction	Park Count	Acres
State	4	6,616
Harris County	138	21,630
Baytown	45	1,036
Bellaire	15	37
Deer Park	21	351
El Lago	3	9
Galena Park	1	68
Hedwig Village	2	2
Houston	299	18,632
Humble	2	5
Jacinto City	1	7
Jersey Village	9	139
Katy	1	20
La Porte	21	181
Missouri City	2	2
Morgan's Point	1	2
Nassau Bay	3	67
Pasadena	46	613
Seabrook	13	127
Shoreacres	4	22
South Houston	8	27
Spring Valley	2	5
Taylor Lake Village	1	28
Tomball	8	53
Webster	3	21
West University	5	6
Total	658	49,705

There are a total of 34 municipalities within or partially within Harris County; however 10 of these municipalities are not represented in this report. These 10 municipalities do not have parks, or their parks lie outside the County lines. Furthermore, jurisdictions that have parks within Harris County and surrounding Counties are represented only by those parks or portions of parks that lie within Harris County.

Harris County Parks

Although the number of County parks represents 21 percent of the public park total, the acreage owned or maintained by the County represents 43 percent of the total public park acreage. The County park system consists of mini, neighborhood, community, regional, greenway and special use parks. Updated park inventories and location maps organized by Precinct follows.

Master Plan - Phase Two
Harris County, TX



Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

Municipalities
Harris County

Exhibit II-A

LEGEND

- Precinct Borders

Parks 2003
- Harris County
- Houston
- Municipal
- State of Texas

HCFCD Facilities
- Drainage
- Detention/Floodplain Preservation
- County Borders
- Major Roads
- Waterways
- Lakes & Bays

Cities
- Baytown city
- Bellaire city
- Bunker Hill Village city
- Deer Park, City
- El Lago city
- Friendswood city
- Galena Park city
- Hedwig Village city
- Hilshire Village city
- Houston city
- Humble city
- Hunters Creek Village city
- Jacinto City city
- Jersey Village city
- Katy
- La Porte city
- League City city
- Missouri City city
- Morgan's Point city
- Nassau Bay city
- Pasadena city
- Pearland city
- Piney Point Village city
- Seabrook city
- Shoreacres city
- South Houston city
- Southside Place city
- Spring Valley city
- Stafford town
- Taylor Lake Village city
- Tomball city
- Waller city
- Webster city
- West University Place city

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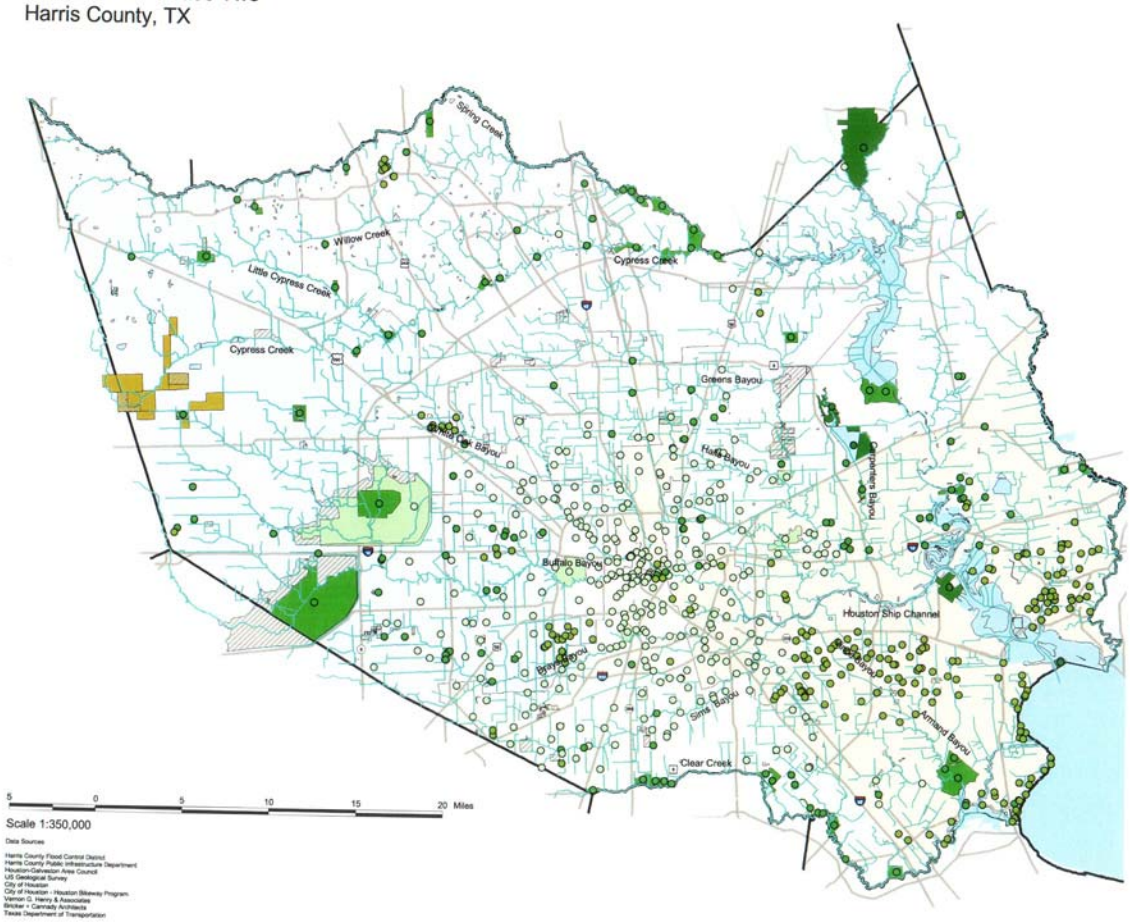
Master Plan - Phase Two
Harris County, TX

Parks & Precincts
All Parks in Harris County

Exhibit II-B



Data Sources:
Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

Parks 2003
- Harris County
- Houston
- Municipal
- State of Texas

HCFCD Facilities
- Drainage
- Detention/Floodplain Preservation

Parks 2003
- Harris County
- Houston
- State of Texas
- Katy Prairie Conservancy Lands

- County Borders
- Major Roads
- Waterways
- Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

5.20.2003

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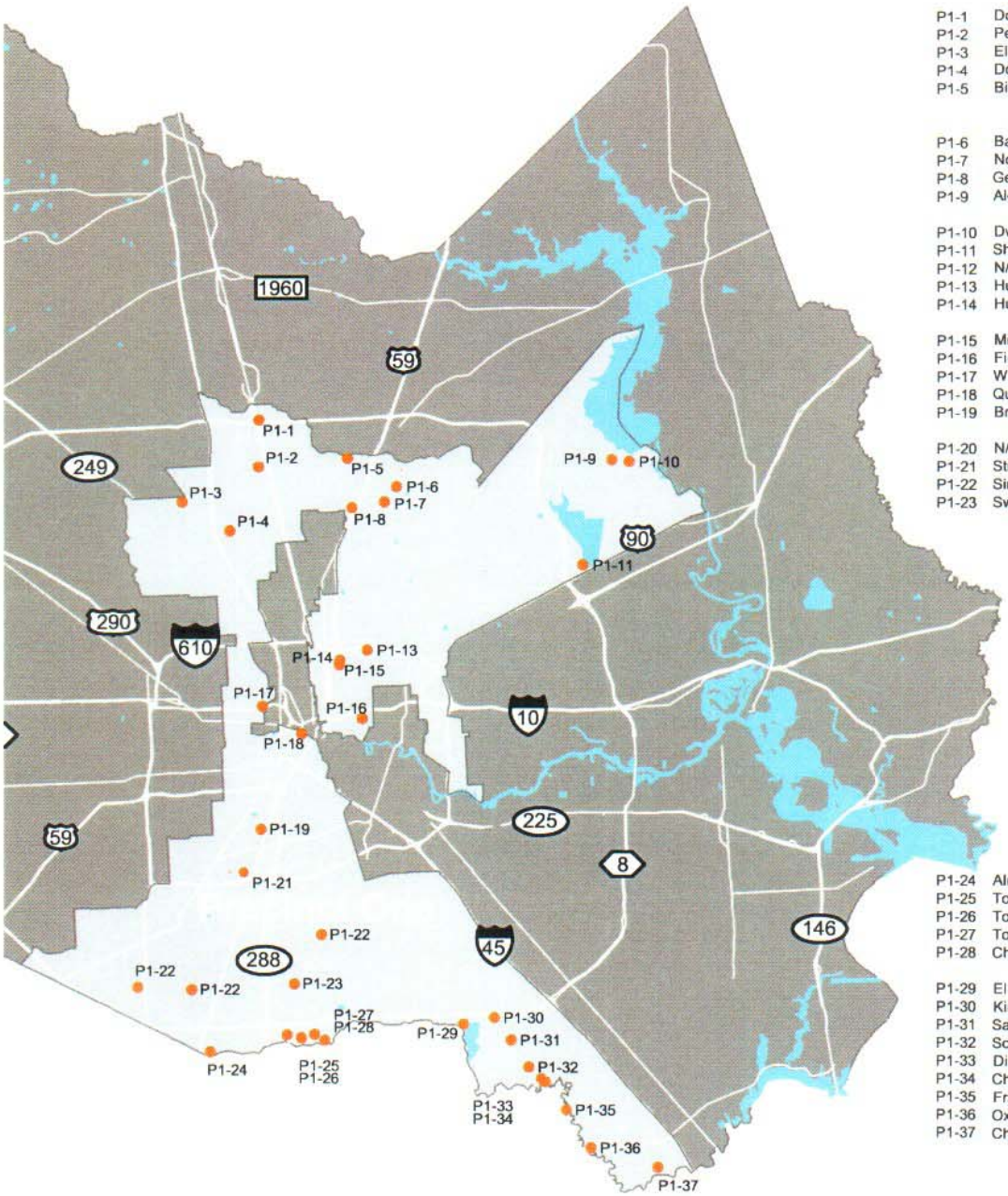
Precinct One - Existing Parks Inventory

	Total Acreage	Undeveloped Acreage
Mini Parks (less than 5 acres)		
Gerber Park	2.00	
Kirkwood South Park	3.00	
Mickey Leland Memorial Park	0.42	
Quebedeaux Park	2.00	
Sagemeadow Park	3.00	
Sub-Total	10.42	0.0
Neighborhood Parks (5 to 25 acres)		
Barbara Jordan Park	6.00	
Dow One Park	9.00	
Dow Two Park	9.00	
Finnigan Park (joint City of Houston-County park)	19.00	
Hutcheson Park	8.40	
Norman Way Park	7.00	7.0
Oxnard Park	14.00	10.0
Pep Mueller Park	13.00	
Sheldon Sports Park	15.10	
Street Olympics Complex	7.25	
Swingle Road Park	15.00	15.0
Sub-Total	122.75	32.0
Community Parks (25 to 150 acres)		
Almeda Park	43.00	43.0
Bill Crowley Park	39.00	
Choate Park	41.00	41.0
Christia V. Adair Park	78.00	
Dixie Farm Road Park	40.00	40.0
Frankie Carter Randolph Park	93.00	18.0
Tom Bass Regional Park II Golf	50.00	40.0
Tom Bass Regional Park III	115.00	
Sub-Total	499.00	182.0
Regional Parks (over 150 acres)		
Alexander Deussen Park	309.00	30.0
Challenger Seven Memorial Park	326.00	142.0
Dwight D. Eisenhower Park	682.50	600.0
El Franco Lee Park	365.00	290.0
Tom Bass Regional Park I	292.00	50.0
Sub-Total	1,974.50	1,112.0
Total	2,606.67	1,326.0

Greenway Parks		Total Linear Miles
Brays Bayou Hike & Bike Trail		5.50
Ella Blvd. Hike & Bike Trail		1.00
Hunting Bayou Hike & Bike Trail		1.00
Sims Bayou Hike & Bike Trail 1		2.00
Sims Bayou Hike & Bike Trail 2		0.50
Sims Bayou Hike & Bike Trail 3		3.00
Southbelt Hike & Bike Trail		2.00
White Oak Bayou Hike & Bike Trail		0.50
	Total	15.50

Precinct One Existing Parks
Exhibit II-C



P1-1 Dow Park One
P1-2 Pep Mueller Park
P1-3 Ella Blvd. Hike & Bike Trail
P1-4 Dow Park Two
P1-5 Bill Crowley Park

P1-6 Barbara Jordan Park
P1-7 Norman Way Park
P1-8 Gerber Park
P1-9 Alexander Deussen Park

P1-10 Dwight D. Eisenhower Park
P1-11 Sheldon Park
P1-12 N/A
P1-13 Hutcheson Park
P1-14 Hunting Bayou Hike & Bike Trail

P1-15 Mickey Leland Memorial Park
P1-16 Finnigan Park
P1-17 White Oak Bayou Hike & Bike Trail
P1-18 Quebedeaux Park
P1-19 Brays Bayou Hike & Bike Trail

P1-20 N/A
P1-21 Street Olympics Complex
P1-22 Sims Bayou Hike & Bike Trail I, II, III
P1-23 Swingle Park

P1-24 Almeda Park
P1-25 Tom Bass Regional Park Section 1
P1-26 Tom Bass Regional Park Section 2 - Golf
P1-27 Tom Bass Regional Park Section 3
P1-28 Christia V. Adair Park

P1-29 El Franco Lee Park
P1-30 Kirkwood South Park
P1-31 Sagemeadow Park
P1-32 Southbelt Hike & Bike Trail
P1-33 Dixie Farm Road Park
P1-34 Choate Park
P1-35 Frankie Carter Randolph Park
P1-36 Oxnard Park
P1-37 Challenger Seven Memorial Park

0 7 miles

Precinct Two - Existing Parks Inventory

	Total Acreage	Undeveloped Acreage
Mini Parks (less than 5 acres)		
Cedar Grove Park	0.60	
Cloverleaf Park	1.00	
Grays Sports Complex	1.00	
Leon Grayson Community Center	2.00	
Moncrief Park	3.40	
Nadolney Park	2.80	2.8
Sub-Total	10.80	2.8
Neighborhood Parks (5 to 25 acres)		
Baytown Park (Seniors Sports Complex)	6.30	
Burnett Park	10.00	
Channelwood Park	6.40	
Clear Lake Park South	16.00	
Highlands Park (604 Highland Wood)	16.00	
Highlands Sports Complex (1008 Wallisville)	16.00	
James Bute Park	5.00	
James Driver Park	15.00	
Meadowbrook Park	13.00	3.0
River Terrace Park	13.90	
Seabrook Sports Complex	8.20	
Stratford Park	13.00	
Sub-Total	138.80	3.0
Community Parks (25 to 150 acres)		
Bay Area Park	64.00	64.0
Channelview Sports Complex	31.30	
Clear Lake Park North	43.00	
Dads' Club Sports Park	34.00	
East Harris County Soccer Complex	150.00	150.0
Edna Mae Washington Park	30.00	
Northshore Family Park	37.40	37.4
Northshore Park	46.40	
Riley Chambers Park	35.40	
Sylvan Beach Park	31.40	
Sub-Total	502.90	251.4

Regional Parks (over 150 acres)

Beltway 8 Sports Park		173.20	173.2
Cedar Bayou Park		170.00	170.0
Rio Villa Park		215.30	215.3
Roy D. "Kipper" Mease Park		297.00	230.0
	Sub-Total	855.50	788.5

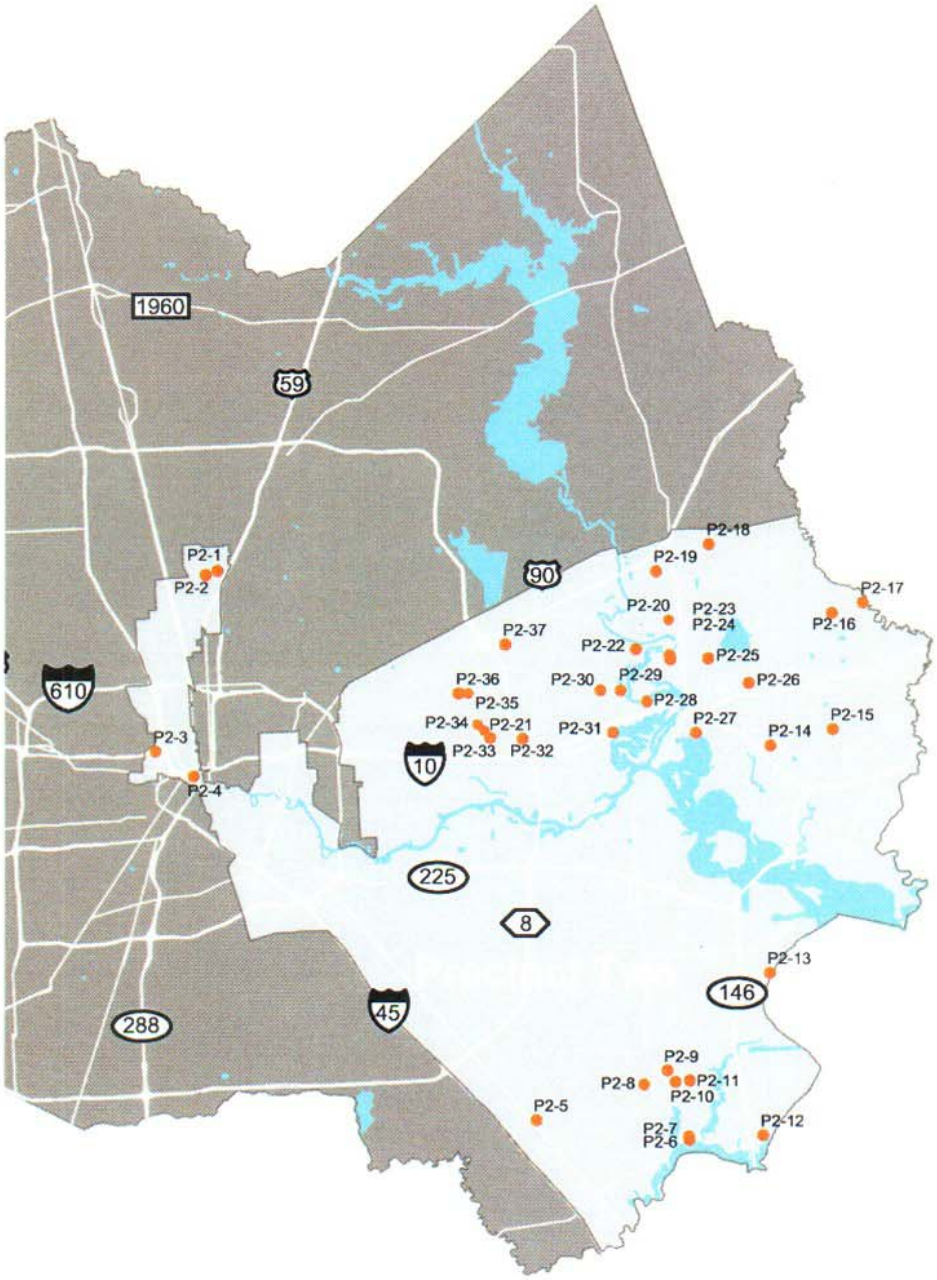
Special Use Parks

Allison Peirce Wetlands Sanctuary		5.79	5.0
Armand Bayou		2,500.00	
	Sub-Total	2,505.79	5.0
	Total	4,013.79	1,050.7

Greenway Parks

		Total Linear Miles
Bay Area Hike & Bike Trail		5.20
Halls Bayou Jogging Trail		1.40
White Oak Bayou Hike & Bike Trail (part)		1.00
	Total	7.60

Precinct Two Existing Parks
Exhibit II-D



P2-1 James Driver Park State Park
P2-2 Halls Bayou Jogging Trail
P2-3 White Oak Bayou Hike & Bike
P2-4 James Bute Park
P2-5 Dad's Club Sports Park

P2-6 Clear Lake Park South
P2-7 Clear Lake Park North
P2-8 Bay Area Park
P2-9 Roy D. "Kipper" Mease Park
P2-10 Armand Bayou Park

P2-11 Bay Area Hike & Bike Park
P2-12 Seabrook Sports Complex
P2-13 Sylvan Beach State Park
P2-14 Baytown Park
P2-15 Grays Sports Complex

P2-16 East Harris County Soccer Complex
P2-17 Cedar Bayou Park
P2-18 Cedar Grove Park
P2-19 Riley Chambers Park
P2-20 Allison Peirce Wetlands Sanctuary

P2-21 Leon Z. Grayson Community Center
P2-22 Rio Villa Park
P2-23 Stratford Park
P2-24 Highlands Park
P2-25 Highlands Sports Complex

P2-26 Edna Mae Washington Park
P2-27 Burnett Park
P2-28 Meadowbrook Park
P2-29 Moncrief Park
P2-30 Channelview Sports Complex

P2-31 River Terrace Park
P2-32 Channelwood Park
P2-33 Cloverleaf Park
P2-34 Nadolney Park
P2-35 Northshore Park
P2-36 Northshore Family Park
P2-37 Beltway 8 Sports Park

0 7 miles

Precinct Three - Existing Parks Inventory

	Total Acreage	Undeveloped Acreage
Mini Parks (less than 5 acres)		
Beltway Park	0.25	
Bracher Park	0.25	
Carol Tree Park	1.50	
Creek Drive Park	0.25	0.25
Flag Tree Park	1.50	1.50
Gessner Pocket Park	0.50	0.50
Housman Park	0.75	
New Kentucky Park	3.90	
Saums Park	0.50	
Sport Park	2.80	
Spring Branch Park	0.50	
Stein Family Park	4.00	
Westview/Moritz Park	0.25	
Sub-Total	16.95	2.25
Neighborhood Parks (5 to 25 acres)		
Alief Amity Park	11.00	
Bishop Fiorenza Park	12.60	
Hockley Park	10.00	
Monsignor Bill Pickard Park (joint City of Houston/County park)	8.40	
Nob Hill Park	13.20	
Ray Miller Park	15.00	
Sub-Total	70.20	0.00
Community Parks (25 to 150 acres)		
Bayland Park	68.00	
Cypress Park	118.00	118.00
Four Seasons Park	32.00	
Katy Park	100.00	
Mary Jo Peckham Park for All Children	32.30	
Telge Park	111.00	80.00
Zube Park	139.40	69.40
Sub-Total	600.70	267.40

Regional Parks (over 150 acres)

Arthur Storey Park		175.00	
Bear Creek Park		2,168.00	1,084.00
George Bush Park		7,800.00	6,240.00
Langham Creek Park		190.00	190.00
Paul D. Rushing Park		215.70	205.70
	Sub-Total	10,548.70	7,719.70

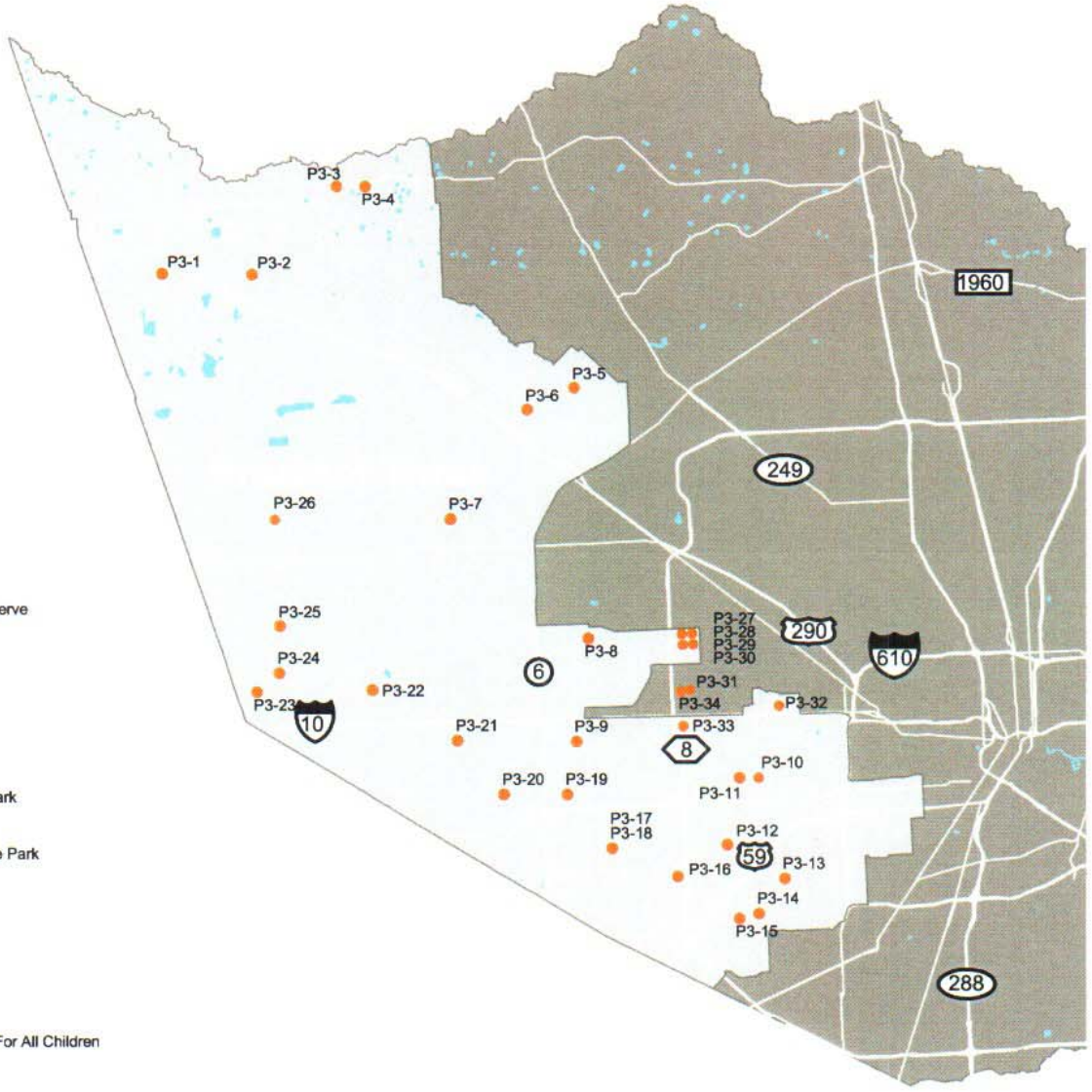
Special Use Parks

Kleb Woods Nature Preserve		130.00	100.00
Molly Pryor Memorial Orchard		1.10	
	Sub-Total	131.10	100.00
	Total	11,367.65	8,089.35

Greenway Parks

		Total Linear Miles
Brays Bayou Hike & Bike Trail		5.50
Terry Hershey Park		6.50
	Total	12.00

Precinct Three Existing Parks
Exhibit II-E



P3-1 Hockley Park
P3-2 Zube Park
P3-3 New Kentucky Park
P3-4 Kleb Woods Nature Preserve
P3-5 Cypress Park

P3-6 Telge Park
P3-7 Langham Creek Park
P3-8 Bear Creek Park
P3-9 Terry Hershey Park
P3-10 Flag Tree Park

P3-11 Carol Tree Park
P3-12 Monsignor Bill Pickard Park
P3-13 Bayland Park
P3-14 Stein Family Park
P3-15 Bray's Bayou Hike & Bike Park

P3-16 Arthur Storey Park
P3-17 Bishop Fiorenza Park
P3-18 Alief Amity Park
P3-19 Ray Miller Park
P3-20 George Bush Park

P3-21 Sports Park
P3-22 Saums Park
P3-23 Mary Jo Peckham Park For All Children
P3-24 Katy Park
P3-25 Four Seasons Park

P3-26 Paul D. Rushing Park
P3-27 Bracher Park
P3-28 Creek Drive Park
P3-29 Housman Park
P3-30 Spring Branch Park

P3-31 Gessner Pocket Park
P3-32 Westview/Moritz Park
P3-33 Beltway Park
P3-34 Nob Hill Park

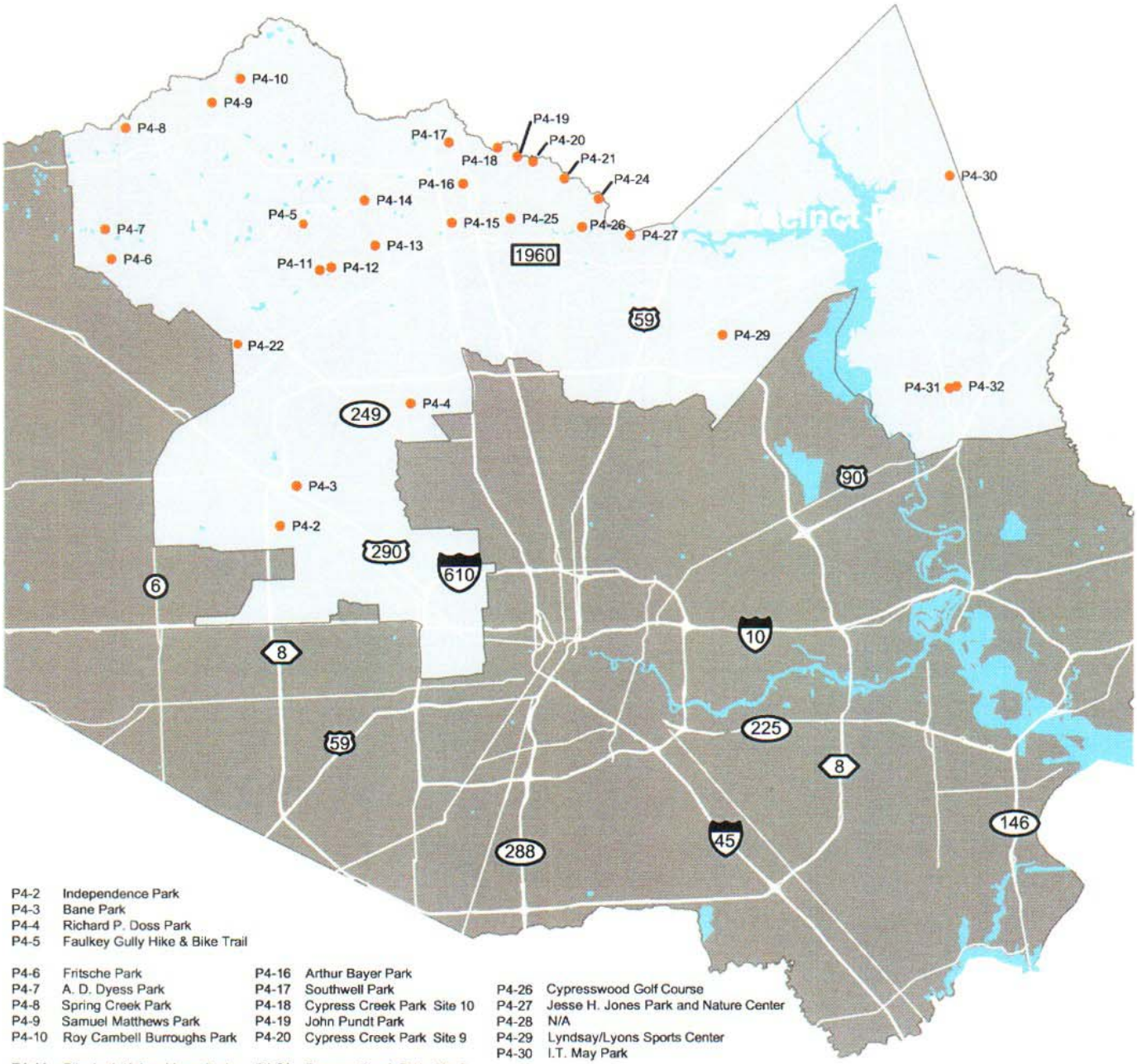
0 7 miles

Precinct Four Parks - Existing Parks Inventory

	Total Acreage	Undeveloped Acreage
Neighborhood Parks (5 to 25 acres)		
Bane Park	15.00	
Crosby Sports Complex	13.00	
Independence Park	5.00	
Klein Park	7.00	
Matzke Park	19.50	19.50
Samuel Matthews Park	6.00	
Southwell Park	5.00	
Sub-Total	70.50	19.50
Community Parks (25 to 150 acres)		
Arthur Bayer Park	28.00	
A.D. Dyess Park	113.70	48
Crosby Park	46.00	
Cypress Creek Park Project Site 6	86.00	86
Cypress Creek Park Project Site 7	74.00	74
Cypress Creek Park Project Site 9	108.00	108
Cypress Creek Park Project Site 10	139.00	139
Don Collins Park	55.00	
Fritsche Park	91.00	91
I.T. May Park	69.00	50
Lindsay/Lyons Sports Center	108.00	
Richard P. Doss Park	33.00	
Spring Creek Park	114.00	
John Pundt Park	101.00	101
Sub-Total	1,165.70	697
Regional Parks (over 150 acres)		
Cypress Creek Park Project Site 8	234.00	234
Elizabeth Kaiser Meyer Park	286.00	116
Rice Tract	189.00	189
Roy Campbell Burroughs Park	320.00	
Sub-Total	1,029.00	539
Special Use Parks		
Cypresswood Golf Club	852.00	
Jesse H. Jones Park and Nature Center	275.00	
Mercer Arboretum & Botanical Gardens	249.00	
Sub-Total	1,376.00	0
Total	3,641.20	1,255.50

		Total Linear Miles
Greenway Parks		
Faulkey Gully Hike & Bike Trail		1.00
	Total	1.00

Precinct Four Existing Parks
Exhibit II-F



P4-2	Independence Park				
P4-3	Bane Park				
P4-4	Richard P. Doss Park				
P4-5	Faulkey Gully Hike & Bike Trail				
P4-6	Fritsche Park	P4-16	Arthur Bayer Park		
P4-7	A. D. Dyess Park	P4-17	Southwell Park	P4-26	Cypresswood Golf Course
P4-8	Spring Creek Park	P4-18	Cypress Creek Park Site 10	P4-27	Jesse H. Jones Park and Nature Center
P4-9	Samuel Matthews Park	P4-19	John Pundt Park	P4-28	N/A
P4-10	Roy Cambell Burroughs Park	P4-20	Cypress Creek Park Site 9	P4-29	Lyndsay/Lyons Sports Center
				P4-30	I.T. May Park
P4-11	Elizabeth Kaiser Meyer Park	P4-21	Cypress Creek Park Site 8		
P4-12	Don Collins Park	P4-22	Matzke	P4-31	Crosby Park
P4-13	Cypress Creek Park Site 7	P4-23	N/A	P4-32	Crosby Sports Complex
P4-14	Klein Park	P4-24	Rice Tract		
P4-15	Cypress Creek Park Site 6	P4-25	Mercer Arboretum & Botanical Garden		

0 7 miles

Prioritized Harris County Park Projects and Updated Proposed Development Schedule

The Phase One Master Plan identified 5 Prioritized Projects for each of the 4 Precincts. A Proposed Development Scheduled was also provided for these projects in the Phase One Plan. That schedule proposed project phasing for years 2002 through 2006. An Updated Proposed Development Scheduled is presented below. Phasing designations and keyed notes follow on page II-11.

Project	2002	2003	2004	2005	2006
Precinct 1					
1. Street Olympics Natatorium (Re: Note 1)	***D***		D	C	C
2. El Franco Lee Land Acquisition and Development	~~A~~ / **D** *C*	C	A / ~~C~~		
3. Eisenhower Park Development		D	C	~~C~~	
4. Christia V. Adair Tracts II and III Land Acquisition and Development (Re: Note 2)	~~A~~ ***D / C***	*A* / D	C	C	
5. Frankie Carter Randolph Park Land Acquisition and Development (Re: Note 3)			~~A~~	~~D~~	~~C~~
Precinct 2					
1. East Harris County Soccer Complex Development	**D**	*D* / C	C		
2. Beltway 8 Sports Park – Phase I Development (Re: Note 4)		*A* / D	C	C	
3. Rio Villa Development (Re: Note 5)	**D**	*D* / ~~C~~	*C*		
4. Nadolney Park Redevelopment	**D** / ~~C~~	C	*C*		
5. Northshore Family Park Development	**D**	C	*C*		
Precinct 3					
1. Zube Park Land Acquisition and Development (Re: Note 6)	~~A~~ / **D** ***C***	~~C~~ *A / D*	C		
2. Westside Park Chain of Lakes Development (Re: Note 7)	***D / C***	D / ***C***	C	C	
3. Katy Park Land Acquisition and Development		A	D	C	C
4. Mary Jo Peckham Park Land Acquisition and Development (Re: Note 8)	***D***		A	D	C
5. Cypress Creek Park Development			D	C	C
Precinct 4					
1. Bane Park (Re: Note 9)		*A*	*D*	*C*	
2. A.D. Dyess Park Development	**D**	**C**	C		
3. Jesse H. Jones Park Land Acquisition and Development		~~A~~	~~D~~ / *A*	~~C~~ / *D*	C
4. FM 2920 Area Sports Park Land Acquisition and Development		~~A~~	*A*	D	C
5. John Pundt Park Phase 1 (Re: Note 10)		**D**	~~C~~	~~C~~	C

Phasing Designations:

- A – Acquisition D – Design C – Construction
- Standard type indicates no change from Phase I
- *Italicized* type indicates an addition to or reschedule of Phase I
- ~~Strikethrough~~ type indicates deletion from Phase I
- **Bold** type indicates phase completed or underway

Schedule Notes:

Precinct 1

1. Street Olympics Natatorium moves to number one priority. Preliminary design has been completed.
2. One pavilion has been designed and constructed on Track II. An additional pavilion will be constructed on Track III. Land acquisition efforts continue.
3. Target property no longer available for purchase.

Precinct 2

4. Adjacent property above detention basin is being purchased.
5. TP&W grant has been awarded.

Precinct 3

6. A new playground and tracks for miniature train have been constructed. Balance of work to be completed as scheduled.
7. Girls softball complex has been designed and constructed. Balance of work to be completed as scheduled.
8. Preliminary design has been completed.

Precinct 4

9. Formally Spring Creek Drive Park.
10. Bane Park replaces Matzke School Park as number one priority.

Geographic Information System for Parks in Harris County

The development of a master plan for parks, recreation and open space for a county of the size and diversity of Harris requires the generation and integration of a tremendous volume of data. The Geographic Information System (GIS) implemented under this project links spatial data about a park or other geographic feature, such as park location and shape, with a relational database containing attribute information about that feature, such as name and park amenities. The GIS provides the tools to enter, manage, analyze, and display, through maps and charts, this complex assemblage of information.

The GIS is composed of map layers that represent selected data sets. For the master plan, these data sets include several generations of satellite images and aerial photographs, road and street networks, drainage networks and waterways, Harris County Flood Control District facilities and drainage data, FEMA flood data, geopolitical and demographic data, and multiple sets of previously developed park and greenway data. The data were acquired from a variety of sources and the cooperative environment in the Harris County mapping community greatly facilitated the development of the GIS.

Critical to the implementation of the GIS is the creation of five new parks layers containing an unprecedented depth of information gathered and recorded for parks in Harris County. The layers are: 1) public parks as polygons representing the location and shape of county, state, and Houston parks; 2) public parks as points representing the location of county, state, and municipal parks; 3) greenways as locating lines; 4) SPARK parks as location points; and 5) public and private golf courses as location points. These geographic features are linked to a database that includes records for 658 public parks. For each of these records the GIS provides for the detailed listing of up to 78 attributes. There are also records for the 148 SPARK parks and 45 public and private golf courses.

The power of a GIS is in the capability of the system to facilitate the analysis and visualization of the data. Because the spatial and relational data are linked, sophisticated queries can be conducted on both the map and the table. Spatial analysis such as the determination and mapping of park service areas based on park acreage are done rapidly and cost effectively. Park attributes can be analyzed and classified and the results mapped using various symbols. Complete information about a specific park can be displayed by simply "clicking" on the park location on the digital map which opens an information table for that park. Similarly, the database can be queried to obtain a variety of reports that are available in various reporting formats. Numerous examples of the mapping capabilities of the GIS can be found in this Section and subsequent Sections of this report.

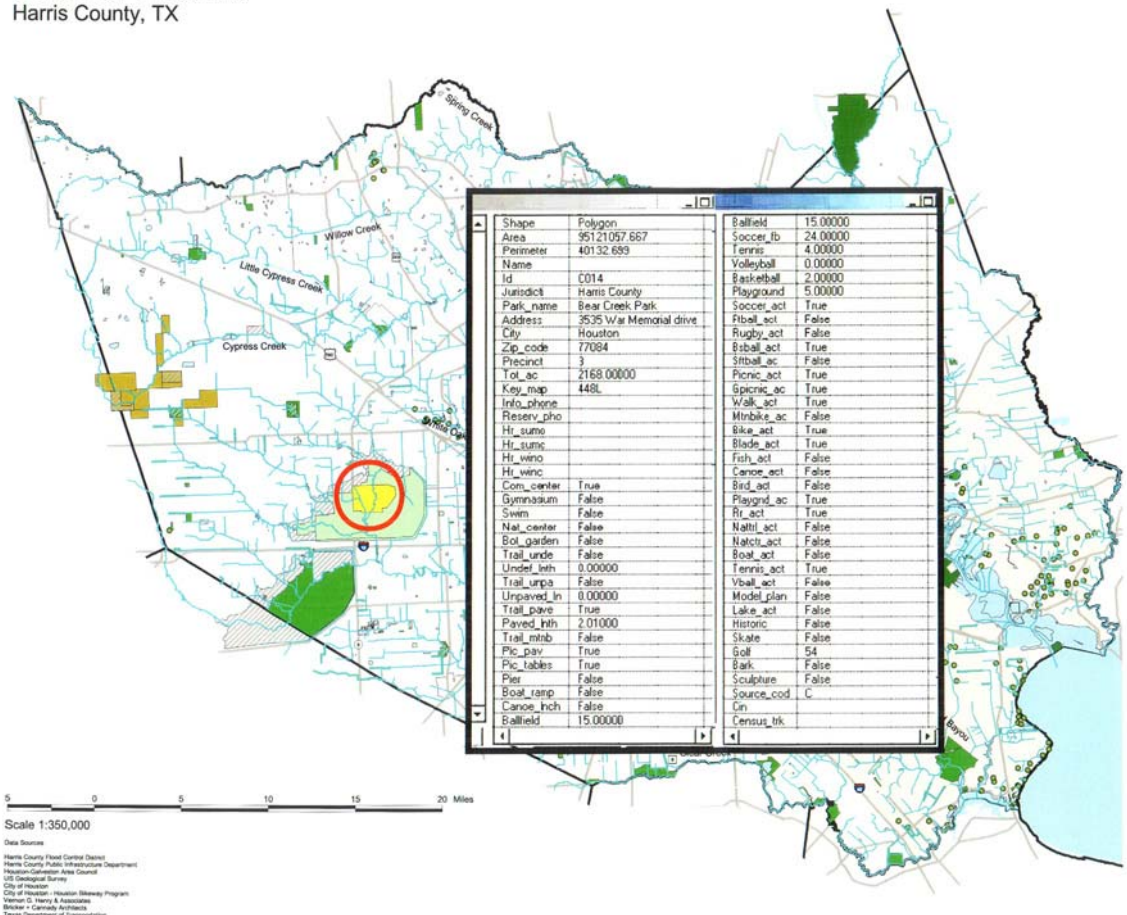
The available data for each park are listed in the *Geographic Information System Database Legend.* The associated themes comprising the GIS map are listed in the *Geographic Information System Theme Definition.* These two documents can be found in the Appendix of this report. Additionally, the following reports, in a spreadsheet format, are also included in the Appendix: *Parks Database, SPARKS Parks Database and Golf Course Database.*

The County's intent is to make the GIS and relational database available to other governmental entities. This tool will enable all involved in parks planning to make more informed decisions regarding the needs and opportunities for parks, recreation and open space. The selection of an industry-standard GIS greatly facilitates the data exchange and distribution. Additionally, as this tool becomes available to the general public, the awareness and use of the various park systems within the County should increase.

Master Plan - Phase Two
Harris County, TX

GIS Data Query
Harris County

Exhibit II-G



Shape	Polygon
Area	95121057.667
Perimeter	40132.693
Name	
Id	C014
Jurisdictl	Harris County
Park_name	Bear Creek Park
Address	3535 War Memorial drive
City	Houston
Zip_code	77084
Precinct	3
Tot_ac	2168.00000
Key_map	448L
Info_phone	
Reserv_pho	
Ht_sumo	
Ht_sumc	
Ht_wino	
Ht_winc	
Com_center	True
Gymnasium	False
Swim	False
Nat_center	False
Bot_garden	False
Trail_unde	False
Undef_lnth	0.00000
Trail_unpa	False
Unpaved_ln	0.00000
Trail_pave	True
Paved_lnth	2.01000
Trail_mtnb	False
Pic_pav	True
Pic_tables	True
Pier	False
Boat_ramp	False
Canoe_lnch	False
Ballfield	15.00000

Ballfield	15.00000
Soccer_fb	24.00000
Tennis	4.00000
Volleyball	0.00000
Basketball	2.00000
Playground	5.00000
Soccer_act	True
Fball_act	False
Rugby_act	False
Bsball_act	True
Sftball_ac	False
Picnic_act	True
Gpicnic_ac	True
Walk_act	True
Mtnbike_ac	False
Bike_act	True
Blade_act	True
Fish_act	False
Canoe_act	False
Bird_act	False
Playgnd_ac	True
Rr_act	True
Naltrl_act	False
Natcts_act	False
Boat_act	False
Tennis_act	True
Vball_act	False
Model_plan	False
Lake_act	False
Historic	False
Skate	False
Golf	54
Bark	False
Sculpture	False
Source_cod	C
Cin	
Census_trk	

5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control Dsicrct
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

HCFCD Facilities
- Drainage
- Detention/Floodplain Preservation

Parks 2003
- Harris County
- Houston
- State of Texas
- Katy Prairie Conservancy Lands
- Municipal

- County Borders
- Major Roads
- Waterways
- Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

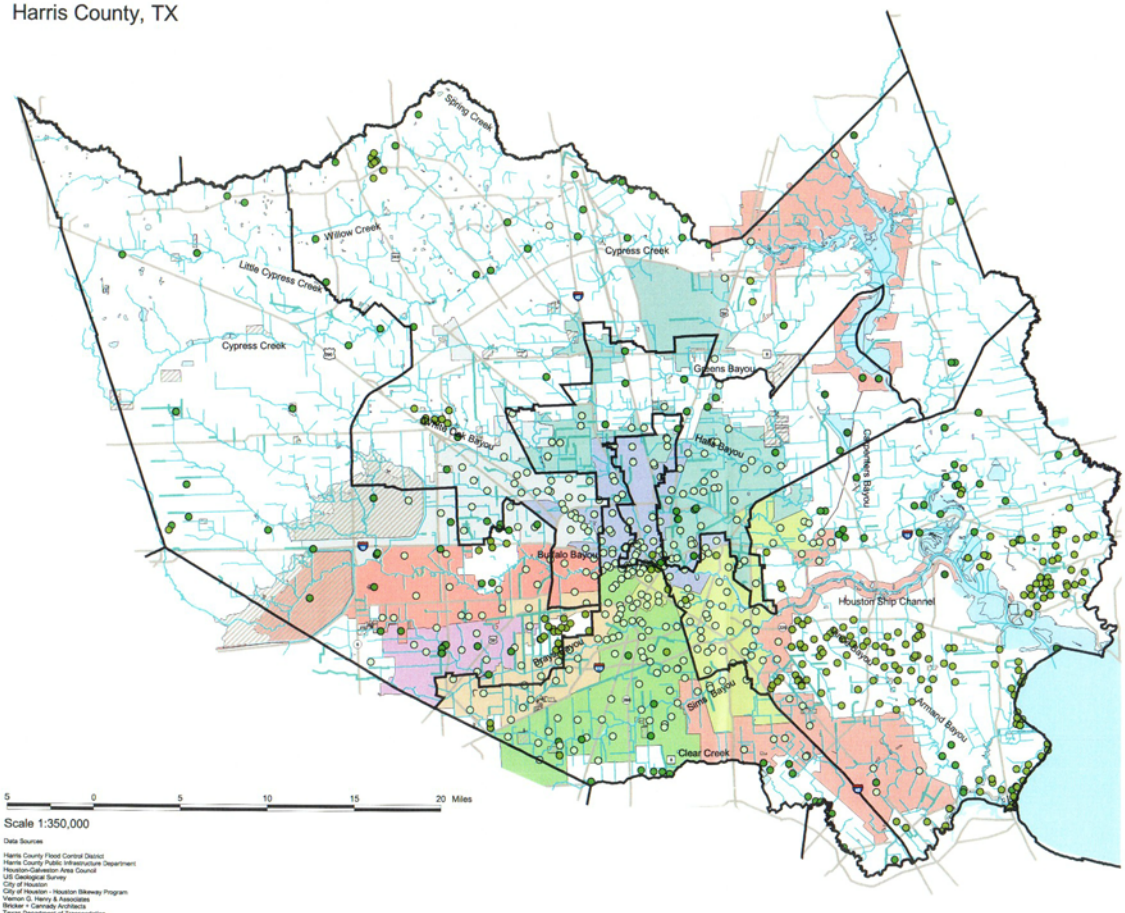
5.20.2003

BCA Bricker + Cannady Architects

Master Plan - Phase Two
Harris County, TX

Houston Council Districts
Harris County

Exhibit II-H



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

- Precinct Borders

Parks 2003

- Harris County
- Houston
- Municipal
- State of Texas

HCFCD Facilities

- Drainage
- Detention/Floodplain Preservation
- County Borders
- Major Roads
- Waterways
- Lakes & Bays

Council Districts

- A
- B
- C
- D
- E
- F
- G
- H
- I

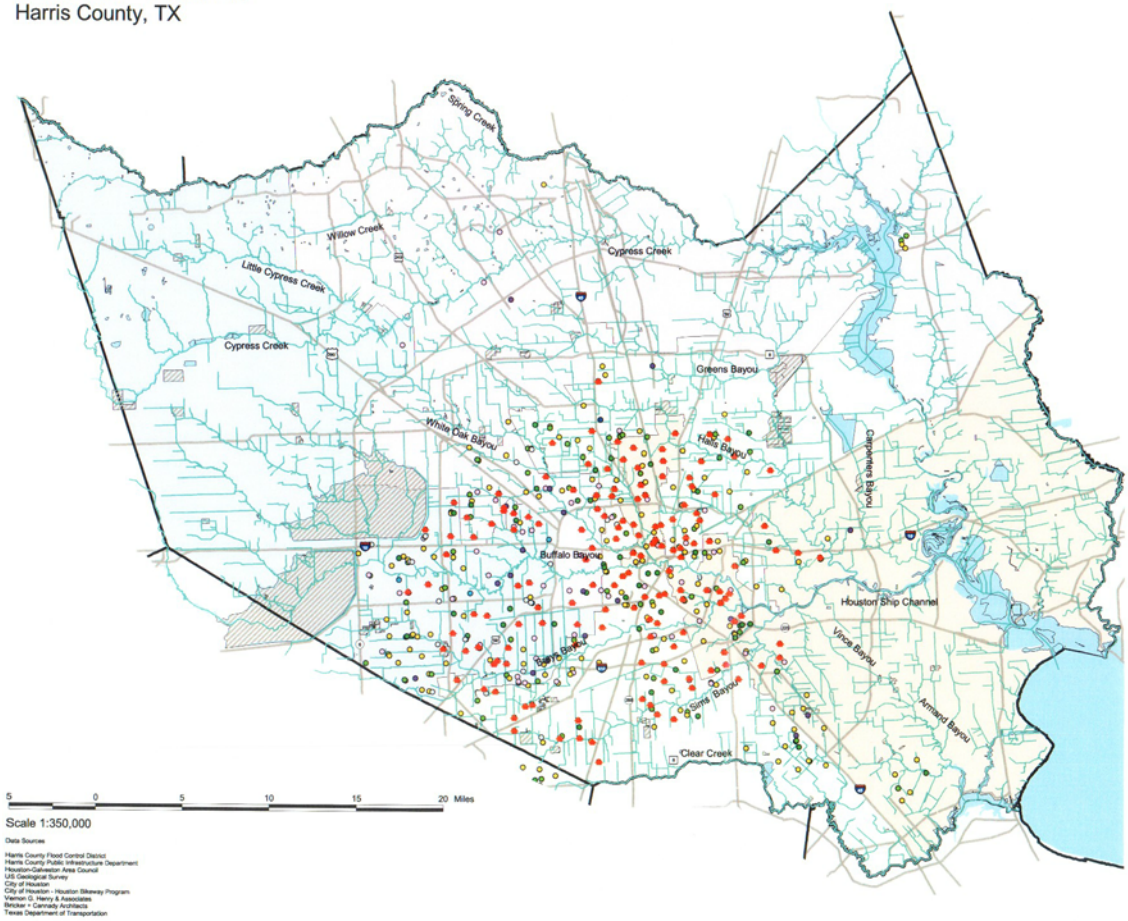
5.20.2003

BCA Bricker + Cannady Architects

Master Plan - Phase Two
Harris County, TX

SPARK Parks
Harris County

Exhibit II-I



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

- SPARK Parks

Schools HISD & SBISD

- Private
- Elementary (E)
- Middle (M)
- High (H)
- E+M
- E+H
- M+H
- E+M+H

HCFCD Facilities

- Drainage
- Detention/Floodplain Preservation
- County Borders
- Major Roads
- Waterways
- Lakes & Bays

Precincts

- 1
- 2
- 3
- 4

5.20.2003

BCA Bricker + Cannady Architects

III Projected Parks, Recreation and Open Space Needs

Analysis of Park Acreage Needs

There are approximately 49,705 acres of public park land within Harris County exclusive of greenways, private parks or golf courses not located within a public park. With a year 2000 population of 3,312,037 per Houston-Galveston Area Council (H-GAC) 2001 Regional Analysis Zone (RAZ), this establishes a ratio of 15 acres per 1,000 population which is significantly below the Urban Land Institute standard of 25.5 acres per 1,000 population. It is also below Harris County's goal established in the Phase One Master Plan, which is to maintain 20 acres per 1,000 population.

According to the *Texas Parks and Wildlife Land and Water Resources Conservation and Recreation Plan* dated 8.29.2002 (TPW-LWRCP), the mean acres per 1,000 population for Texas cities over 100,000 population is 15.5 acres. The LWRCP also notes that major population centers, particularly those that will experience significant growth, are underserved by TPW. Fortunately, TPW intends to double lands under wildlife management plans by 2012.

Acreage requirements calculated for years 2000, 2005, 2010 and 2020 utilizing RAZ data are documented in the table below. Exhibit III-A illustrates projected population densities.

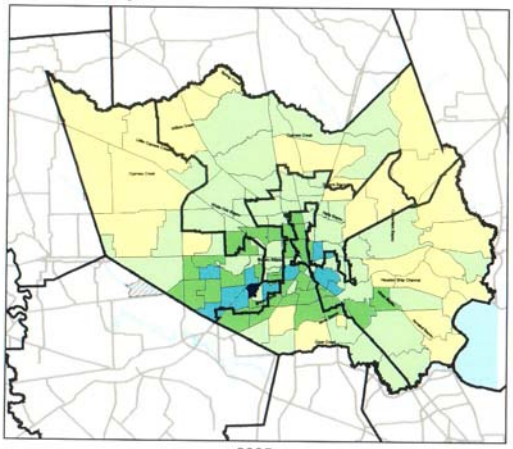
Year	**2000**	**2005**	**2010**	**2020**
Population (RAZ)	3,312,037	3,488,344	3,646,376	4,090,199
Existing acreage	49,705	49,705	49,705	49,705
Existing acreage per 1,000 population	15.0	14.2	13.6	12.1
Acreage goal per 1,000 population	20	20	20	20
Acreage total required to meet goal	66,241	69,767	72,927	81,804
Countywide acreage deficit	16,536	20,062	23,222	32,099
Harris County acreage deficit share *	**6,614**	**8,025**	**9,289**	**12,839**

*Harris County's assumed acreage share is 40% of total as defined in the Phase One Master Plan

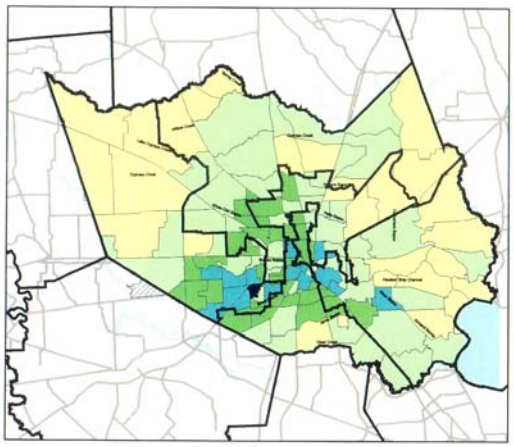
This table illustrates the need for acquisition of large tracts of land to be developed as parks or to be maintained as open space and/or conservation areas to achieve the County's park acreage goal. As commercial development makes large land acquisitions increasingly difficult and expensive, the County will need to look for creative ways to achieve this goal.

For instance, the County should increase partnership projects with Harris County Flood Control District (HCFCD), as described in Section VI, to develop flood control facilities for complementary park uses. The County should also continue to pursue opportunities for joint development with municipalities. Fortunately, multiple jurisdictional partners and land acquisition is an important scoring consideration in the awarding of Texas Parks and Wildlife Grants as discussed in Section VIII, therefore supplementary funding may be available to help off-set acquisition and development costs.

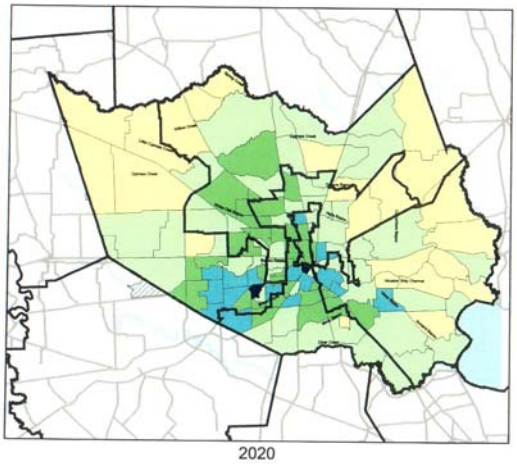
Master Plan - Phase Two
Harris County, TX



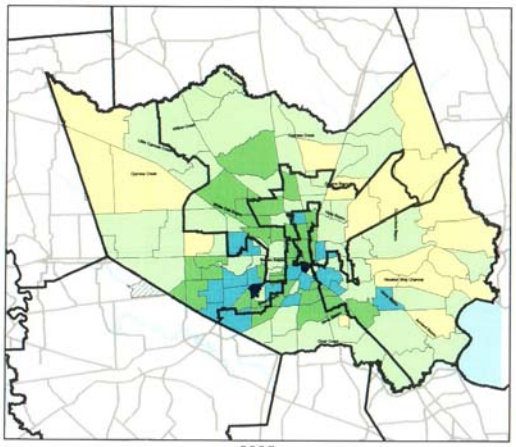
2005



2010



2020



2025

Projected Population Density
Harris County

Persons per Acre
by H-GAC Regional Analysis Zone (RAZ)

Exhibit III-A

LEGEND

- Precinct Borders
- Population Density
  - 0
  - 0.001 - 1.999
  - 2 - 5.999
  - 6 - 9.999
  - 10 - 14.999
  - 15 - 25
- Detention/Floodplain Preservation
- County Borders
- Major Roads
- Waterways
- Lakes & Bays

10 0 10 20 Miles

Data Sources
Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

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Analysis by Park Type

The National Recreation and Park Association (NRPA) in the past has established guidelines for quantities of acreage by park type. The table below compares the NRPA standards to the existing park acreages by park type.

Park type	Park size	Parks within County	Total acreage	Acres per 1,000 pop.*	NRPA standard
Mini/pocket	less than 1 acre	109 parks	43	0.01	none
Neighborhood	1-9.9 acres	309 parks	1,308	0.39	none
Mini + neighborhood	0-9.9 acres	418 parks	1,351	**0.4**	**1.25 to 2.5**
Community	10-49.9 acres	155 parks	3,317	**1.0**	**5 to 8**
Regional	50-199.9 acres	54 parks	5,696	1.72	none
Super-regional	200+ acres	31 parks	39,336	11.9	none
Regional + super-regional	50+ acres	86 parks	44,983	**13.6**	**15 to 20**
	Total	**658 parks**	**49,705**	**15.0**	***21.5 – 30.5***

*Year 2000 RAZ population data

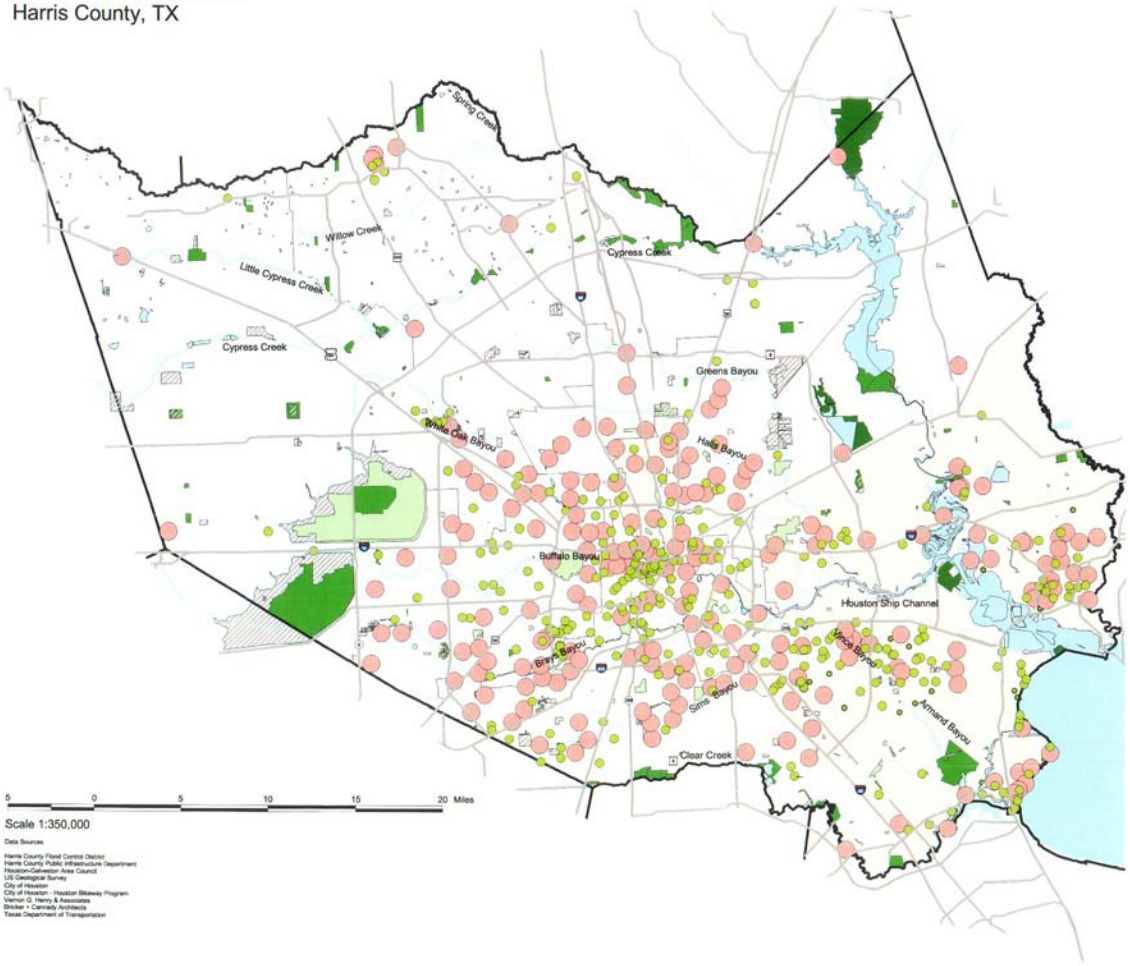
This table illustrates that according to the traditional NRPA standards, existing park acreages are lacking in all categories countywide. Further consideration should be given to the County's development goals and standards for the various park sizes and types. It seems appropriate for the County to focus on development of larger parks due to greater opportunities for land acquisition in the unincorporated areas of the county.

The City of Houston and other municipalities have fewer opportunities to acquire large tracts of land to correct the overall park acreage deficit and therefore should consider focusing on the development of smaller parks.

The park counts and acreages documented in the preceding table and the active recreational amenities discussed in the following parts of this Section do not include SPARK parks or other facilities located on HISD or other school district properties. There are opportunities to partner with school districts to make their facilities more available to the general public. However, as illustrated in the HISD memorandum of September 5, 2002 found in the Appendix of this report, utilization of school facilities may require execution of a rental agreement or other contract for use.

The Exhibits that follow illustrate the distribution of existing parks and related service areas for mini, neighborhood, community and regional parks throughout the county.

Master Plan - Phase Two
Harris County, TX



Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

Mini & Neighborhood Park Distribution and Service Areas All Parks in Harris County

Exhibit III-B

Mini Park
Size: 0-5 acres
Service area: 1/4 mile radius

Neighborhood Park
Size: 5-25 acres
Service area: 1/2 mile radius

LEGEND

- Mini-park Service Areas
- Neighborhood Service Areas
- Detention/Floodplain Preservation
- County Borders

Parks 2003
- Harris County
- Houston
- State of Texas
- Municipal Parks
- Waterways
- Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

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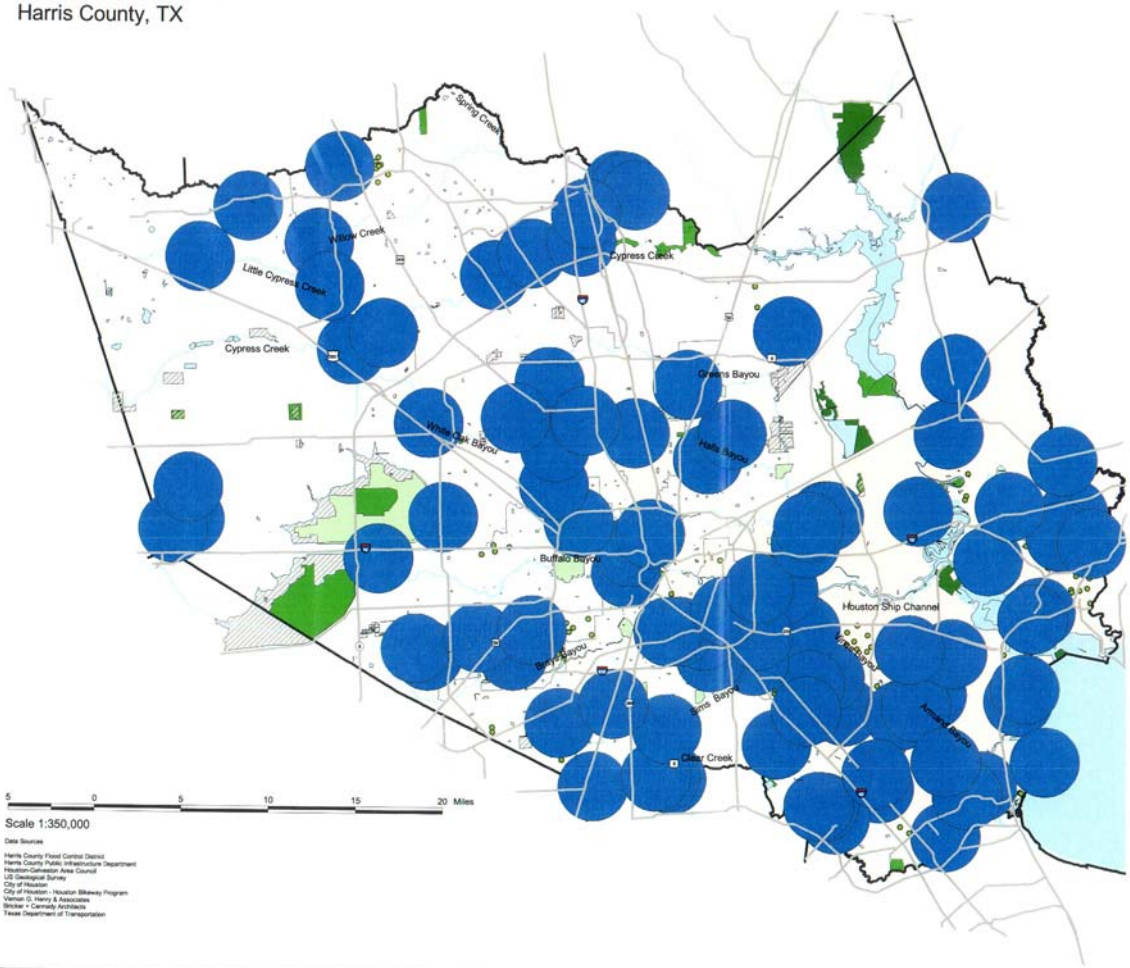
Master Plan - Phase Two
Harris County, TX



Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

Community
Park Distribution and Service Areas
All Parks in Harris County

Exhibit III-C

Community Park
Size: 25-150 acres
Service area: 2 mile radius

LEGEND

- Community Service Areas
- Detention/Floodplain Preservation
- County Borders

Parks 2003

- Harris County
- Houston
- State of Texas
- Municipal Parks
- Waterways
- Lakes & Bays

Precincts

- 1
- 2
- 3
- 4

5.20.2003

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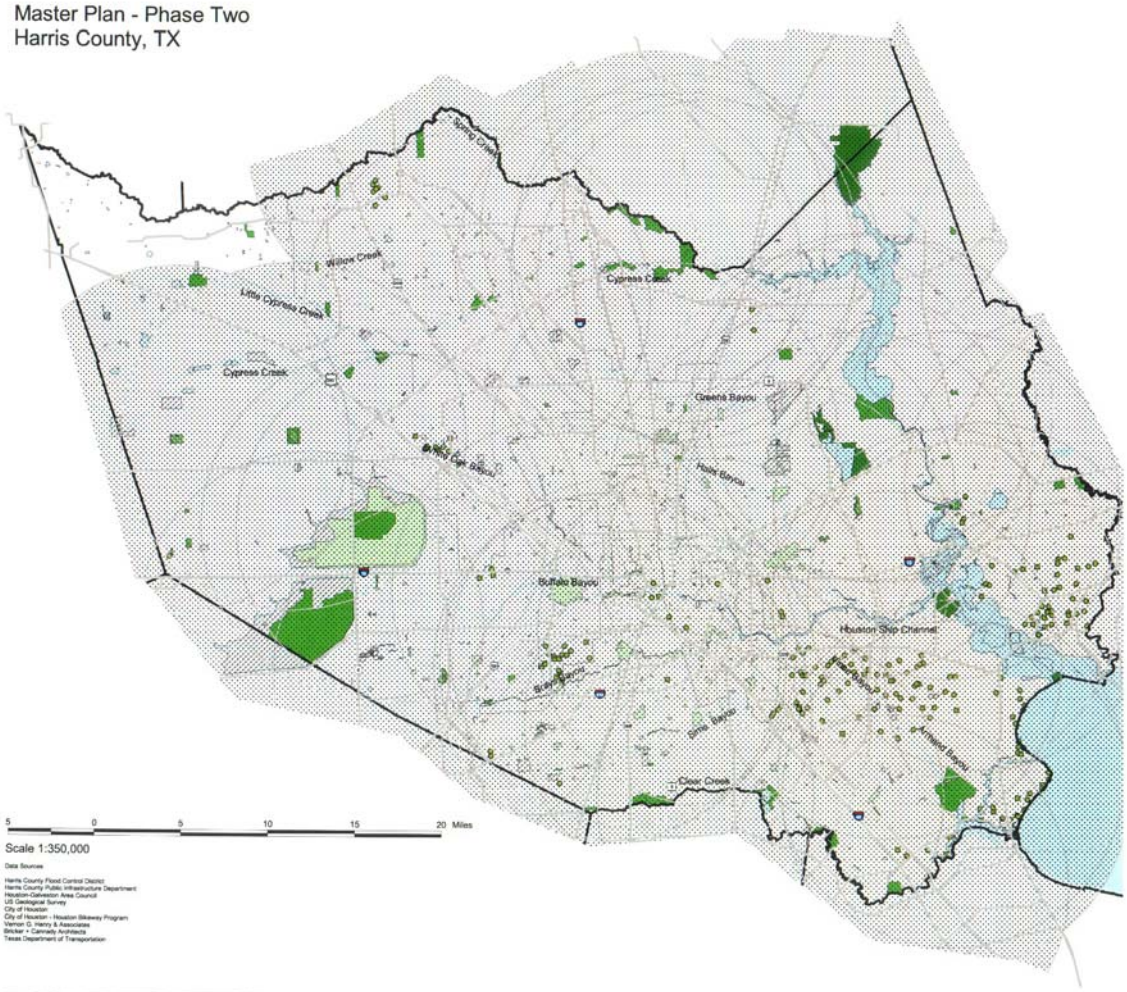
Master Plan - Phase Two
Harris County, TX



Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

Regional
Park Distribution and Service Areas
All Parks in Harris County

Exhibit III-D

Regional Park
Size: 150+ acres
Service area: 10 mile radius

LEGEND

- Regional Service Areas
- Detention/Floodplain Preservation
- County Borders

Parks 2003

- Harris County
- Houston
- State of Texas
- Municipal Parks
- Waterways
- Lakes & Bays

Precincts

- 1
- 2
- 3
- 4

5.20.2003

BCA Bricker + Cannady Architects

Analysis of Active Recreation Amenity Needs

The park database created for this master plan contains extensive data on amenities for all public parks within the county. This data was reviewed for total amenity counts as well as geographic distribution

Quantity of Amenities

Amenity counts were compared with standards developed in the City of Houston parks master plan, which were based on a combination of NRPA and other standards which seemed appropriate to this region. Those standards, along with the existing counts, are documented in the table below.

Facility	Quantity	Existing Ratio to Population***	Facility Standard	Above or Below Standard.
Baseball/softball fields, practice & competition	At least 542 in at least 228 parks	1:6,100	1:20,000 (for competition fields)*	above
Soccer fields	At least 304 in at least 76 parks	1:10,300	1:10,000 (for competition fields)*	slightly below
Swimming Pools	At least 68 in at least 68 parks	1:48,700	1:25,000*	below
Tennis Courts	At least 327 in at least 129 parks	1:10,100	1:5,000*	below
Playgrounds	At least 512 in at least 417 parks	1:6,500	1:4,000*	below
Golf Courses (public)	234 holes in 11 courses (13 sets of 18 holes)	1:254,800	1:90,000*	below
Golf Courses (all – public and private)	1,413 holes in 68 courses (78.5 sets of 18 holes)	1:42,200	1:90,000*	above
Basketball Courts	At least 247 in at least 215 parks	1:13,400	1:5,000**	below
Volleyball Courts	At least 50 in at least 34 parks	1:66,200	1:5,000**	below

**Parks and Recreation Master Plan*, City of Houston, October 2001
** National Recreation and Park Association (NRPA) *Recreation, Park, and Open Space Standards and Guidelines.*
***Year 2000 RAZ population data

The county appears to have an ample supply of baseball/softball fields and soccer fields. However, these findings must be weighted against the public needs assessment and sports league interviews completed under the Phase One Plan.

Golf courses are also in ample supply if private courses are counted.

The county's supply of public swimming pools, tennis courts, volleyball courts, basketball courts, and playgrounds is below standard. These facilities may be provided by subdivisions, master-planned communities, and apartments, but the public supply is low.

County Precincts identified playgrounds and basketball courts as amenity priorities which matches these findings. However, swimming pools, volleyball courts, and tennis courts were not among the Precincts' high priorities. Precinct amenity priorities are further discussed in Section IV of this report.

To keep up with projected population growth, Harris County will need to continue providing amenities, even those with a currently sufficient supply. Considering the County's significant land acquisition goals, it seems logical for the County to pursue development of needed amenities in association with new park acquisition, focusing in areas of population growth and areas with amenity shortages.

Distribution of Amenities by Precinct

The review of amenities per precinct, including amenities provided by jurisdictions other than Harris County indicates that some of the precincts have higher amenity counts than others. For example: Quantities of tennis courts are relatively high in Precincts One and Two. Quantities of baseball/ softball fields are relatively high in Precinct Two. Precinct Four has a relatively large quantity of soccer fields.

Precinct Three is lacking in quantities of most active recreational amenities, compared to other precincts. Precinct One has a relatively low quantity of soccer fields. Quantities of basketball courts and swimming pools are relatively low in Precinct Four.

This analysis does not consider quality of facilities or local demands or use, but it may indicate a need for further consideration.

The following table illustrates amenity distribution by precinct.

Precinct	**1**	**2**	**3**	**4**	**Total**
Baseball/Softball fields	138	212	96	96	**542**
Soccer fields	41	76	67	119	**304**
Tennis courts	109	90	70	59	**327**
Volleyball courts	17	15	8	10	**50**
Basketball courts	80	116	23	28	**248**
Playgrounds	155	210	83	64	**512**
Swimming pools	23	28	9	8	**68**

Amenities Provided by Homeowner Associations

There are numerous private parks which have been developed in residential neighborhoods. These Mini-Parks are typically less than 5 acres in size and contain amenities such as playgrounds and swimming pools. Since these parks are not open to the general public, acreages and amenities associated with the parks have not been considered in this report.

However, as residential subdivisions are developed in the unincorporated areas of the county more private parks will be built which will contribute to the needs of the local communities. This supports the notion that the County should focus on the development of larger, primarily Regional parks.

Amenities Provided by Apartment Complexes

Apartment complexes do not make a significant contribution to the supply of amenities within the county, except in providing pools. According to an October 2002 report by Apartment Data Services, Inc., 1,622 apartment properties (71% of properties) provide swimming pools for their residents. This boosts the countywide pool supply from 68 to 1,693. Although apartment pools are rarely open to the public, these pools serve approximately 300,000 apartment units and thereby contribute to the availability of this amenity. However, apartment complexes with pools are not evenly distributed across the county.

Countywide, 549 apartment complexes (24%) provide club houses, 475 complexes (21%) provide playgrounds, and 176 (8%) provide tennis courts. Adding these to countywide totals would bring the County up to standard in playgrounds, but not in tennis courts. However, since the facilities are not generally open to the public, they should not be used in developing public park amenity goals.

Geographic Distribution of Amenities

By displaying "themes" from the GIS, observations can be made regarding geographic distribution of amenities. In general, outlying areas of the county are lacking in all amenities. Far northwest and far northeast Harris County are particularly amenity-poor. While these areas may not have significant population at this time, early consideration of park development may help avoid future shortfalls and higher land acquisition costs. Discussion of specific amenities follows.

Baseball/softball fields: Although Precinct Three has several large ballfield facilities; large areas of the Precinct are underserved. Precinct Four has service gaps in the far northeast. In general the distribution of ballfields gradually becomes less even as one moves further out of the County's core. Outlying ballfields tend to be large facilities, unevenly spaced.

Soccer fields: Like baseball/softball fields, soccer fields are lacking in Precinct Three and in far northeast Precinct Four. A gap also exists in north-central Harris County in Precincts One and Four. Distribution of soccer fields is more evenly dispersed than ballfields, however; there is no great concentration at the County's core.

Tennis courts: Tennis court distribution is low in Precinct Three and central and northeast Precinct Four. The northern portions of Precinct Two and northeastern portion of Precinct One are also lacking in tennis courts. Overall distribution is fairly evenly dispersed inside Beltway 8, but is very uneven outside the Beltway.

Playgrounds: The distribution pattern is similar to that of baseball/softball fields, with a high concentration inside Loop 610 and somewhat high concentration inside Beltway 8. Outside Beltway 8, concentration is very low, with only a few parks providing large numbers of playgrounds. The exception is Precinct Two, which has a number of small playgrounds outside Beltway 8, many of which are provided by the numerous municipalities in that area.

Golf courses: Golf courses do not follow the pattern of other park amenities in this section. Quantities are as high outside Beltway 8 as inside. Far west Precinct Three and far east Precinct Two are lacking in golf courses, but most other areas are evenly covered.

Basketball courts: Precincts Three and Four have large areas without any basketball courts. Most courts are located inside Beltway 8 and adjacent to the Ship Channel and Galveston Bay in Precinct Two.

Swimming pools: Like basketball courts, public swimming pools are almost absent in Precincts Three and Four, and the majority are located inside Beltway 8.

Further consideration should be given to citizens' needs and priorities outside Beltway 8, particularly in the far west and far northeast portions of Harris County. Perhaps amenity needs are being fulfilled by private facilities, but long-term public goals should be considered in providing an even distribution of public recreational facilities as these areas develop.

Development of open space linkages, such as the Primary Greenway Plan described in Section VII, will enhance the passive recreation opportunities and may enable citizens to travel further to parks without increasing the traffic burden on streets and freeways.

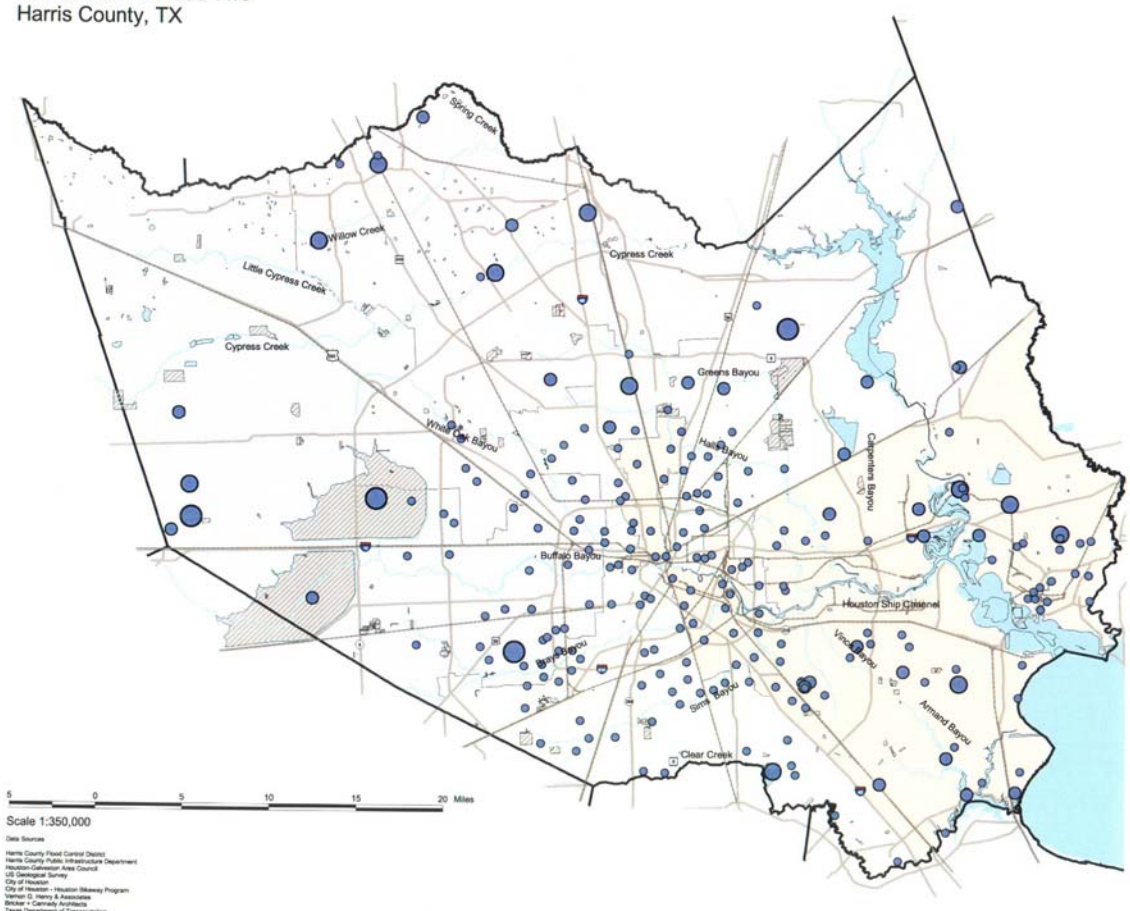
Partnerships with municipal utility districts and subdivision developers for park acquisition and development should also be considered.

The exhibits that follow illustrate the distribution of ballfields, soccer fields, tennis courts, basketball courts, playgrounds, summing pools, and golf courses throughout the county.

Master Plan - Phase Two
Harris County, TX

Ballfield Distribution
All Parks in Harris County

Exhibit III-E



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

Ballfields - Baseball & Softball
- 1 - 3
- 4 - 6
- 7 - 9
- 10 - 15

Detention/Floodplain Preservation
Railroads
County Borders
Major Roads
Waterways
Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

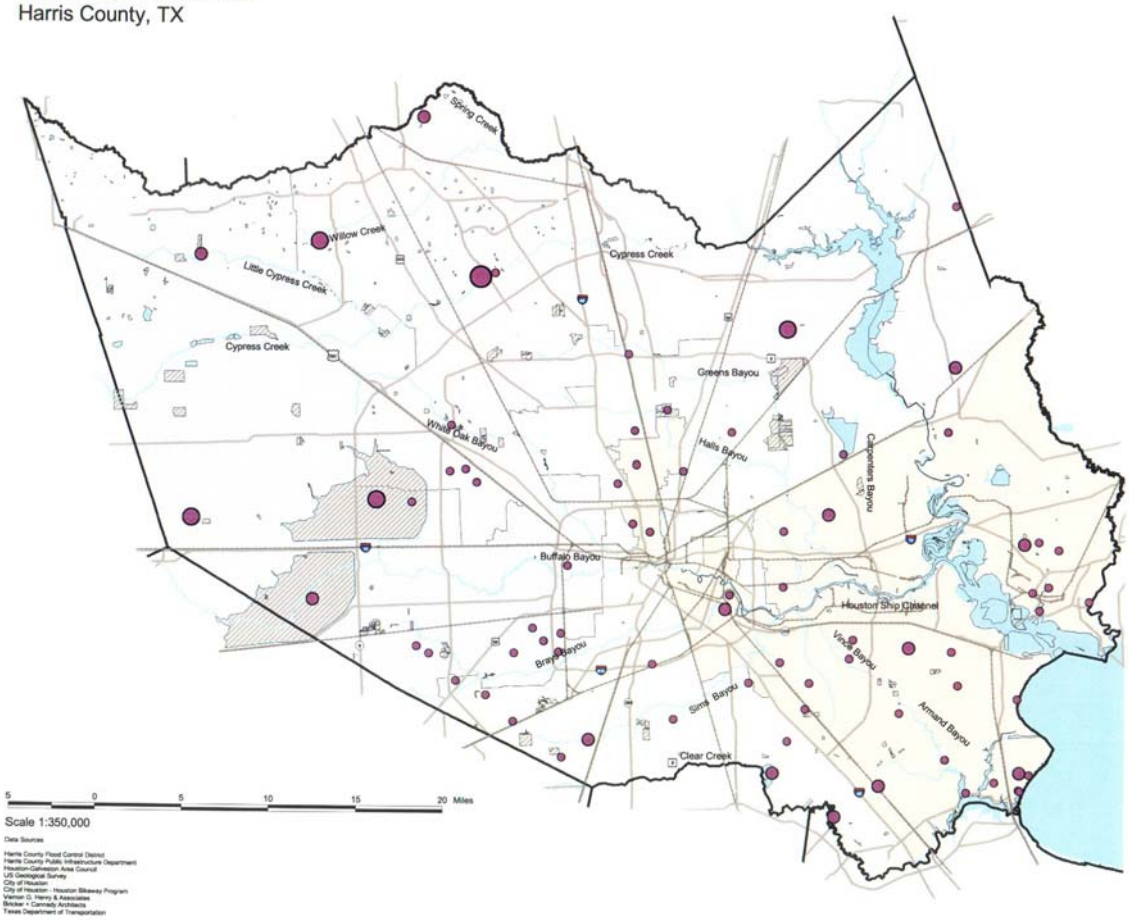
5.20.2003

BCA Bricker + Cannady Architects

Master Plan - Phase Two
Harris County, TX

Soccer Field Distribution
All Parks in Harris County

Exhibit III-F



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

Soccer Fields
- 1 - 4
- 5 - 12
- 13 - 32
- 33 - 52

Detention/Floodplain Preservation
Railroads
County Borders
Major Roads
Waterways
Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

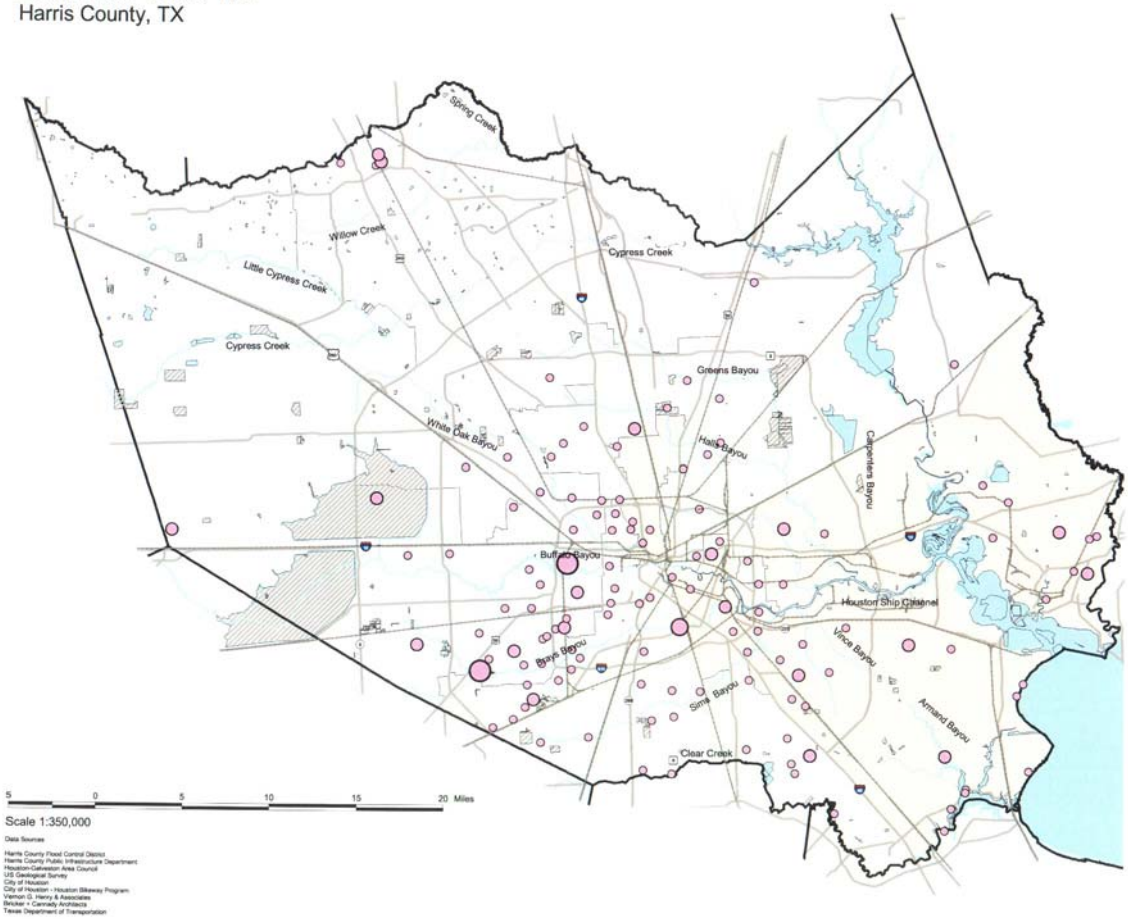
5.20.2003

BCA Bricker + Cannady Architects

Master Plan - Phase Two
Harris County, TX

Tennis Court Distribution
All Parks in Harris County

Exhibit III-G



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

Tennis Courts
- 1 - 2
- 3 - 6
- 7 - 16
- 17 - 26

Detention/Floodplain Preservation
Railroads
County Borders
Major Roads
Waterways
Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

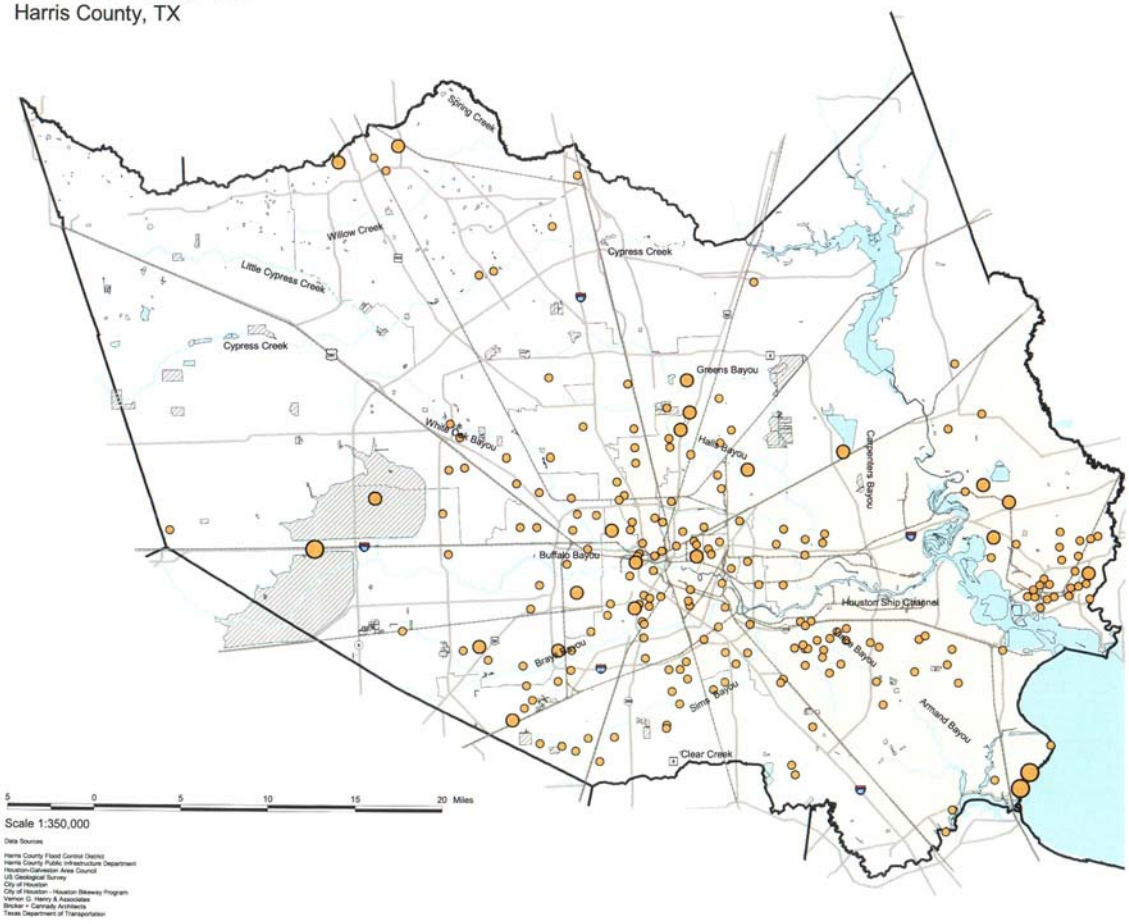
5.20.2003

BCA Bricker + Cannady Architects

Master Plan - Phase Two
Harris County, TX

Basketball Court Distribution
All Parks in Harris County

Exhibit III-H



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

Basketball Courts
- 1
- 2 - 3
- 4 - 5

Detention/Floodplain Preservation
Railroads
County Borders
Major Roads
Waterways
Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

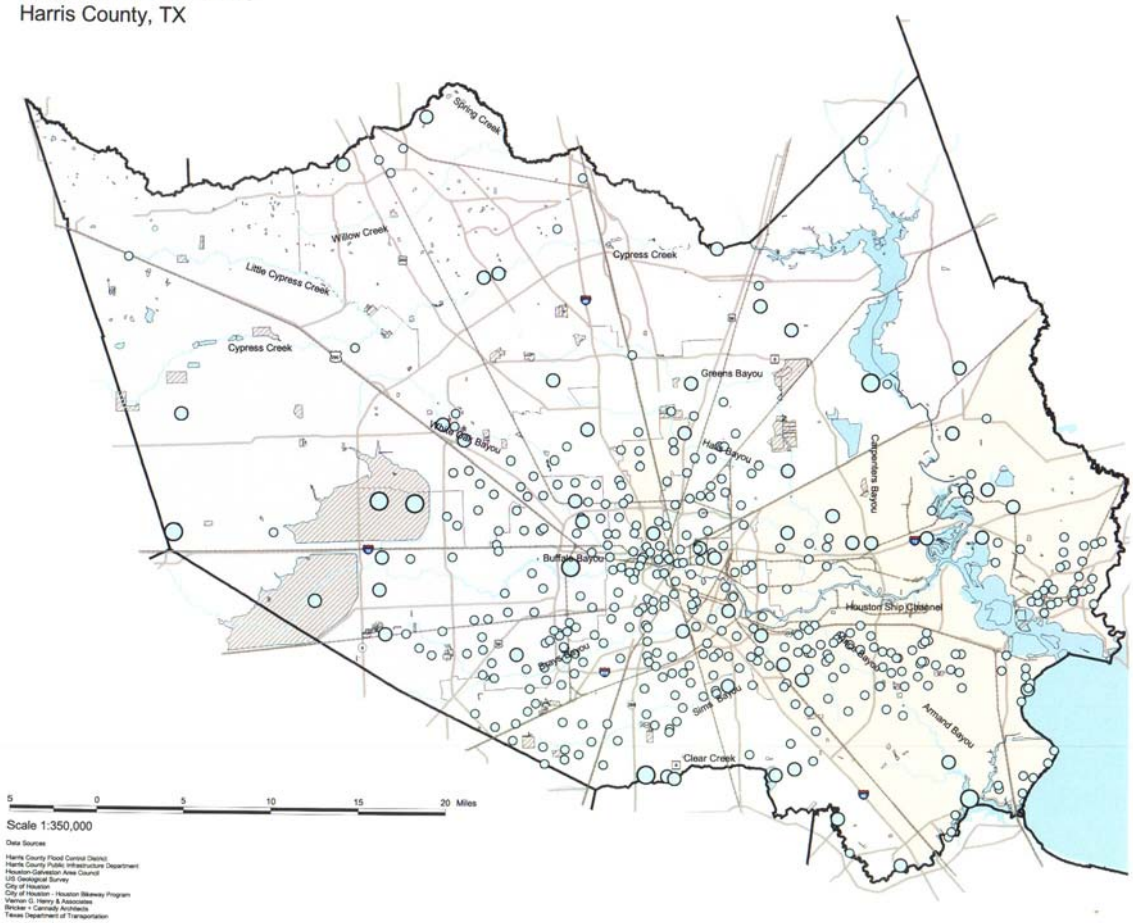
5.20.2003

BCA Bricker + Cannady Architects

Master Plan - Phase Two
Harris County, TX

Playground Distribution
All Parks in Harris County

Exhibit III-I



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

Playgrounds
- 1
- 2 - 3
- 4 - 9

Detention/Floodplain Preservation
Railroads
County Borders
Major Roads
Waterways
Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

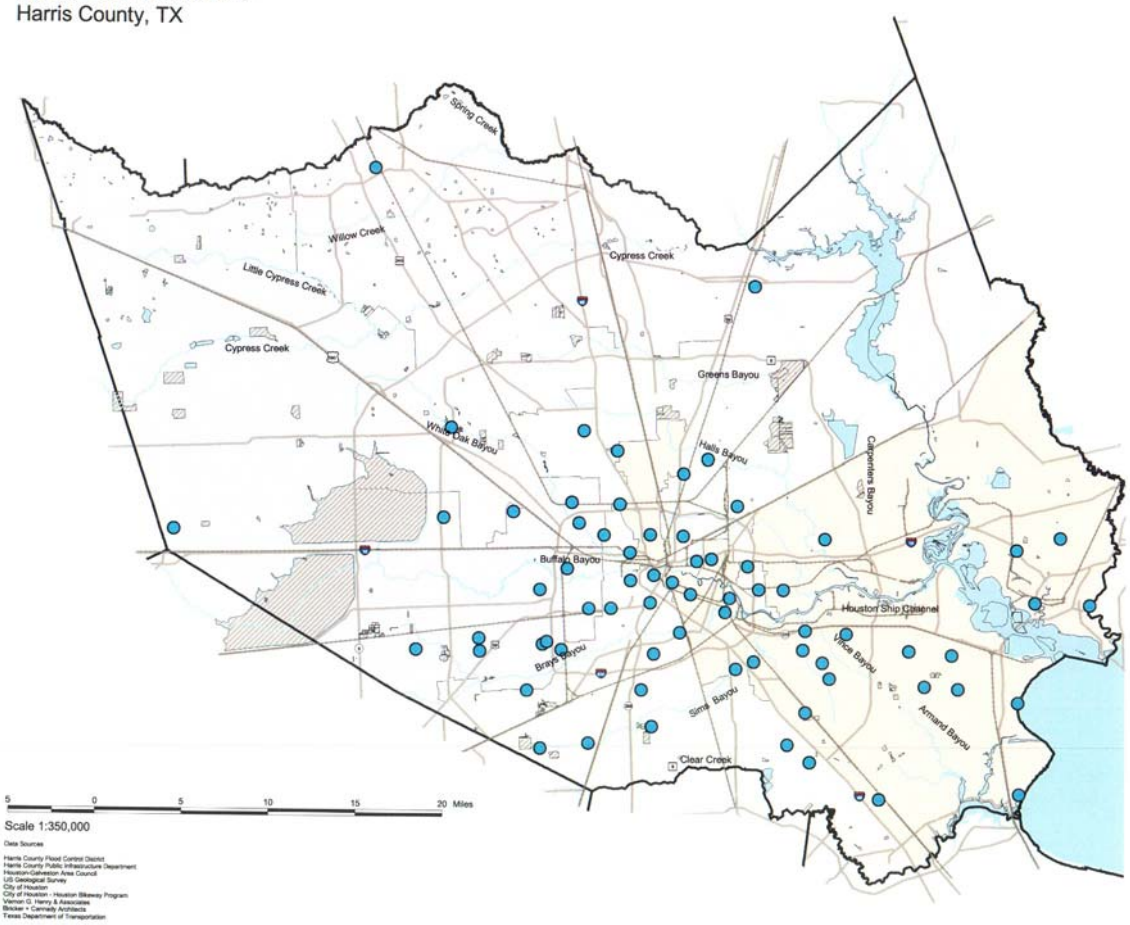
5.20.2003

BCA Bricker + Cannady Architects

Master Plan - Phase Two
Harris County, TX

Swimming Pool Distribution
All Parks in Harris County

Exhibit III-J



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

Swimming Pools

Detention/Floodplain Preservation

Railroads

County Borders

Major Roads

Waterways

Lakes & Bays

Precincts

1
2
3
4

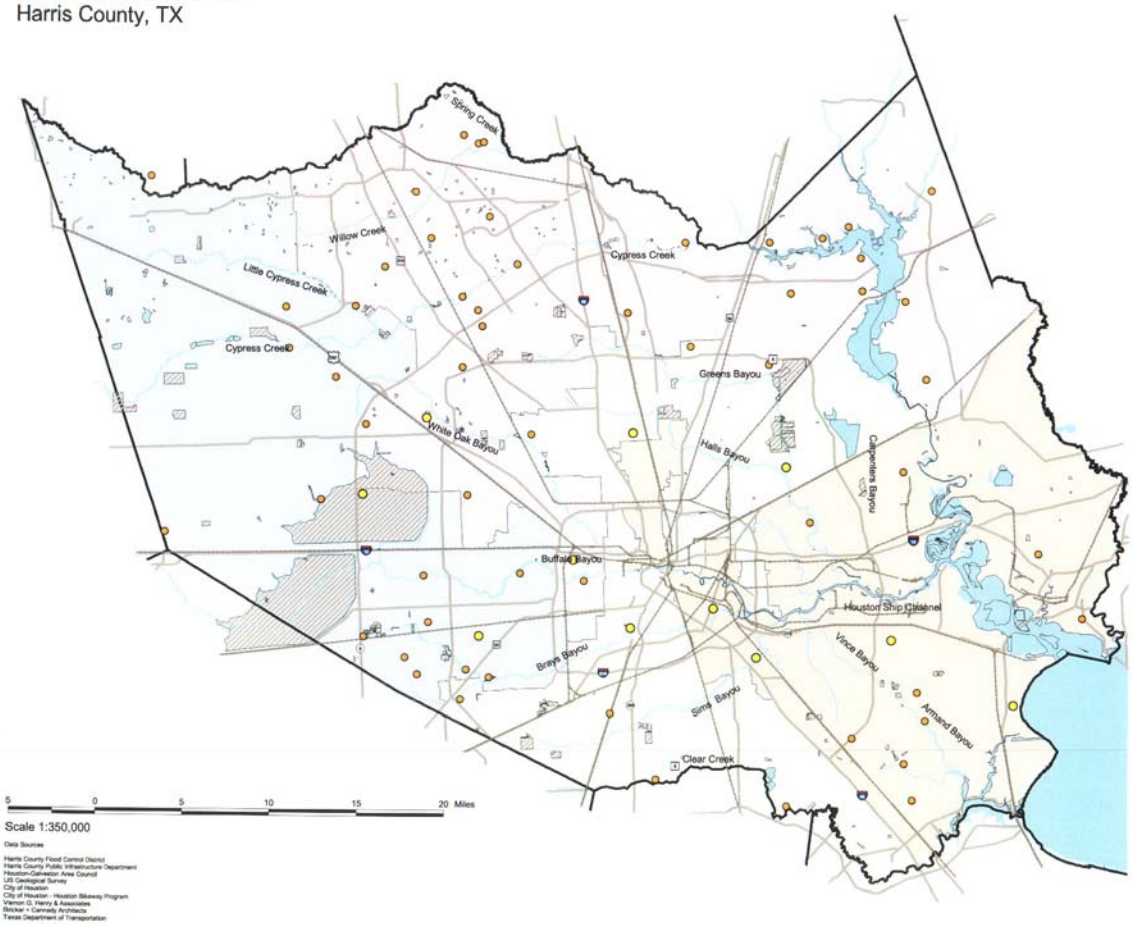
5.20.2003

BCA Bricker + Cannady Architects

Master Plan - Phase Two
Harris County, TX

Golf Course Distribution
Harris County

Exhibit III-K



Data Sources
Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND
- Courses within Parks
- Other Public & Private Courses
- Detention/Floodplain Preservation
- Railroads
- County Borders
- Major Roads
- Waterways
- Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

5.20.2003

BCA Bricker + Cannady Architects

IV Harris County Precinct Amenity Priorities

County administrative staff and Precinct parks department staff were surveyed and interviewed to develop prioritized lists of desired recreational amenities. A common list of amenities, such as trails, playgrounds and ballfields was provided for ranking in order of priority. Components such as restrooms, parking, and roadways were not included in the final list since these are more related to infrastructure requirements.

Results show that amenity preferences vary Precinct to Precinct as well as within some Precincts. Precincts Two and Four chose to return multiple survey results which were interpolated to create a single list per Precinct. Precincts One and Three returned single lists. Harris County should consider the variations among Precincts in establishing County-wide goals and in seeking funding for the park system.

Following are the survey results which list the highest priority amenities in descending order of priority.

Precinct One

1. Swimming Pools
2. Trails (natural and hard surface)
3. Community Building
4. Land acquisitions/park expansion
5. Nature/Conservation areas
6. Pavilions/BBQ grills
7. Playground equipment
8. Ballfields (baseball/softball)
9. Soccer Fields
10. Football Fields
11. Picnic Shelters
12. Trees/landscaping
13. Art, monuments, sculpture, etc.
14. Enclose inner city basketball pavilions
15. Fishing (pond, piers, etc.)

Precinct Two

1. Land acquisitions/park expansion
2. Trails (natural and hard surface)
3. Nature/Conservation areas
4. Soccer Fields
5. Football Fields
6. Skate park
7. Trees/landscaping
8. Art, monuments, sculpture, etc.
9. Playgrounds
10. Recreation Center
11. Equestrian facilities
12. Picnic Shelters
13. Picnic Tables

14. Basketball Courts/ Pavilions
15. Exercise Equipment
16. Pavilions
17. Water features
18. Ballfields (baseball/softball)
19. Golf Course
20. Fishing (pond, piers, etc.)
21. Community Building
22. Tennis Courts

Precinct Three

1. Trails (natural and hard surface)
2. Playgrounds
3. Soccer Fields
4. Ballfields (baseball/softball)
5. Recreation Centers
6. Community buildings
7. Pavilions
8. Picnic Shelters
9. Basketball Courts/ Pavilions
10. Tennis Courts
11. Land acquisitions/park expansion
12. Trees/landscaping
13. Football Fields
14. Equestrian Facilities
15. Golf Courses

Precinct Four

1. Land acquisitions/park expansion
2. Soccer Fields
3. Trails (natural and hard surface)
4. Playgrounds
5. Nature/Conservation Areas
6. Fishing (pond, piers, etc.)
7. Water Access
8. Community Buildings
9. Ballfields (baseball/softball fields
10. Football Fields
11. Pavilions
12. Basketball Courts/Pavilions
13. Picnic Shelters
14. Picnic Tables
15. Equestrian Facilities

County-Wide Priorities

Although the amenity prioritizations do vary from Precinct to Precinct, there are consistencies that indicate the following top priorities for all four Precincts. The following amenity consistently received the highest priority ratings:

1. Trails (natural and hard surface)

The following amenities were raked high or medium in all four Precincts:

2. Land acquisition/park expansion
3. Soccer fields
4. Playgrounds
5. Community Buildings
6. Football Fields
7. Ballfields (baseball/softball)
8. Pavilions

The following amenities ranked high or medium in three Precincts:

9. Nature/ Conservation Areas
10. Basketball Courts/ Pavilions

These priorities are consistent with the preferences of the municipalities within Harris County, except that soccer is a higher priority for the County than the municipalities. The desire for paved trails proves to be a consistent theme throughout the County. Several of the municipalities within the County have trail plans as a focal point of their master plans and all municipalities with master plans identify trails as a top priority and/or top desired amenity.

The desire for paved and non-paved trails dovetails with the County's interest in a greenway system linking major parks. Acquisition and grant opportunities currently exist for providing connective systems. In addition, several localized greenway plans, such as the Buffalo Bayou Partnership's Master Plan, are underway, providing an opportunity for cooperative public/private/nonprofit efforts. The next ten to twenty years are pivotal to the development of greenway connectors throughout the County. Refer to Sections VI and VII for further discussion of greenways.

The development of additional soccer fields and ballfields should be preceded by additional involvement of the various sports leagues, and should be closely coordinated with the municipalities.

Although Harris County has more opportunities for land acquisition than many of the land-locked municipalities, both the County and the municipalities see it as a high priority. Since land acquisition will become more costly and increasingly difficult over time, it is appropriate to put acquisition as a high priority for the next ten to twenty years.

Acquisition of land along creeks and bayous can help mitigate damage caused by flooding, provide avenues for the development of greenways, and expand upon existing or create new nature/conservation areas.

Precinct amenity preferences will be important components in future grant funding applications, particularly with Texas Parks and Wildlife Grants. Additionally, there will be opportunities for partnering between the Precincts, as well as, between the Precincts and municipalities, Harris County Flood Control District, Katy Prairie Conservancy and other similar entities. These partnerships should facilitate the implementation of common goals, as well as, help avoid duplication of facilities.

V Municipal Master Plans in Harris County

Of the 34 municipalities within Harris County, 11 have adopted parks master plans. These municipalities include: Baytown, Bellaire, Houston, La Porte, Missouri City, Pasadena, Pearland, Seabrook, Tomball, Webster and West University. Standards, desired amenities, and goals outlined in these plans have many similarities that dovetail with Harris County's standards, amenities, and goals.

Standards

Most of the municipalities within Harris County use the National Recreation and Park Association's (NRPA) *Recreation Park and Open Space Standards Guidelines* (published in 1996) as a system for targeting appropriate park acreage per 1,000 people. The desired acreage varies by size/classification of park, as follows:

Classification	**Service Area**	**Desired Size**	**Desired Acreage per 1,000 people**
Mini/Pocket Park	¼ mile	Less than 1 acre	.25 - .50
Neighborhood Park	½ -1 mile	1 to 10 acres	1.0 - 2.0
Community Park	1 - 3 miles	10 to100 acres	5.0 - 8.0
Regional Park	5 miles - Citywide	50 to 200+ acres	5.0 - 10.0
Linear Park (Trails)	Citywide	8' trail width; at least 40' length	Varies
Special Use/ Purpose Park	Citywide	Based on demand or resource, 10+ acres	Varies

Each municipality has modified these standards for their own use. For instance, Bellaire describes a neighborhood park as being 2-5 acres, whereas Missouri City describes a neighborhood park as at least 15 acres. Various municipalities have also added categories, such as "school fields/park," "green space," "metro park," or "conservancy." Two smaller municipalities, West University and Bellaire, have set a standard of having a park within walking distance of each home. Several plans reference an overall "rule of thumb" of 10 acres per 1,000 people for total park acreage in the municipality. Houston's plan also recognizes the Urban Land Institute's standard of 25.5 acres per 1,000.

Publicly Desired Amenities

Most of the municipal master plans involved some form of public input; many included the results of a public survey.

Hike/Bike Trails:
Nearly every plan cited hike/bike trails as a top desired amenity (number one or two). Walking, running, and bicycling were consistently ranked as top recreational activities.

Other Amenities:
Other desired amenities included swimming pools, playgrounds, play fields (baseball, soccer, etc.), recreation centers, tennis courts, picnicking facilities, fishing facilities, dog parks, wildlife

viewing opportunities, basketball courts, canoe launches, nature centers, cultural/theater complex, golf course, miniature golf course, and community centers. Ranking of these priorities varied by community and by groups within each community.

Goals and Priorities

Acquisition and development:
Eight municipalities mentioned acquisition of new parkland as a goal. Eight municipalities mentioned development of existing undeveloped parkland as a goal. A few communities, including Baytown and LaPorte, cited the importance of improving existing facilities and parks prior to additional acquisition and development.

Hike/Bike Trail System:
Seven of the eleven municipal parks master plans included the establishment of a citywide hike/bike trail. In most cases, the goal of the trail system is to interconnect parks and other natural amenities.

Maintenance and Equipment Replacement:
Many of the municipalities mentioned improvement of park maintenance as a goal, usually in conjunction with replacement of outdated, unsafe, or inaccessible equipment.

Renovation and Redevelopment:
Five municipalities cited general renovation and redevelopment of existing facilities as a priority.

City Image/Beautification:
Four municipalities' plans discussed the importance of maintaining or enhancing the character and image of the municipality. Sensitivity to existing neighborhoods, historic resources, or natural resources was generally associated with beautification.

Conservation of Natural Resources
Master plans of Baytown, La Porte and Webster specifically mentioned the preservation and enhancement of local natural features as an important part of their plans.

Amenities Appropriate to Park Size:
West University and Pasadena cited the importance of locating amenities within parks that are appropriately sized for that amenity. For instance, neighborhood parks should have facilities appropriate to a smaller radius of use than community parks.

Specific Projects:
Many of the master plan goals and priorities were specific to each community—the development/redevelopment of specific parks and the establishment of specific new facilities.

Barriers/Challenges to Parks Program

Three of the municipalities without master plans responded to the issue of barriers/challenges in the questionnaire administered under this project. Eight of the municipalities with master plans mentioned this issue either in their master plan or in the questionnaire.

Baytown, Pasadena, Seabrook, Tomball, and Deer Park mentioned lack of funding as a barrier to improving their park systems. Bellaire, Pearland, Hedwig Village, La Porte, and Morgan's Point mentioned fixed geographic boundaries as a restriction on future park acquisition and

growth. Other challenges included expensive land (Bellaire), absence of traditional land use planning (Houston), accommodating rapid growth (Missouri City), lack of staff (Pasadena), insufficient land for sports facilities (Pasadena), and maintenance challenges (Seabrook).

Funding shortages and geographic limitations were the most frequently cited barriers to park improvement programs.

Implementation of Master Plans

Most master plans included funding sources and entities capable of or responsible for executing the plan. Levels of specificity regarding exact cost, funding source, and timing varied considerably, even within the individual master plans. Master plans of two municipalities (Missouri City and Pearland) are included in the cities' comprehensive plans. Tomball's master plan is included in the city's capital improvement program

Conclusion

Harris County's goals and objectives are generally in agreement with municipalities' goals and objectives. Additionally, the municipalities look for help form Harris County to satisfy a portion of their parks needs. This suggests further opportunities for more partnerships in parks projects.

The proliferation of trail system projects in municipalities dovetails well with Harris County's greenway/trail plans as discussed in the Sections that follow.

Exhibit V-A: Comparison of Municipal Master Plans

City	Acres Per 1,000 People	Other Standards	Top Desired Amenities	Top Priorities	Goals	Barriers/Challenges to Parks Program
Baytown	NRPA Standards; city owns 1008 acres, but 765 are special use; 243 acres existing for mini-parks, neighborhood & community parks; city needs an additional 314 acres.	NRPA Standards; greatest deficiency is community parks	Varies by group; includes bicycling, golf, walking/hiking, rollerblading and skating, and swimming. (public survey)	More facilities and programs; address safety of park equipment and facilities; improve existing facilities before acquiring new facilities.	Renovation of facilities & infrastructure; active recreation and sports facilities; trails and greenway system; environmental conservation; water access; passive recreation; universal access.	Limited financial resources
Bellaire	Existing is 0.29 acres per 100 residents; national standard is 1 acre per 100. NRPA standards for different types of parks.	Cannot meet higher standard because landlocked; goal is a park within walking distance of each home (addition of 7 acres).	Multi-use trails, pool, playgrounds, picnic tables, upgraded park facilities, additional parks and game fields	1. Safety improvement; 2. Parkland acquisition; 3. Trail master plan and implementation; 4. Specific park upgrades; 5. Equipment replacement; 6. More fields.	1. Provide park facilities open space; 2. Provide recreational programs; 3. Enhance city's image; 4. Maximize partnerships; 5. Maintain communication; 6. Establish trail network.	Very little room to add park space; land is expensive
Houston	NRPA Standards; should have 39,749 acres, actual is 35,000 acres - deficit of 4,749 acres (12%). Currently 11 acres per 1,000 people, but calculation should include Harris County, etc..	NRPA Standards, but acknowledges old "rule of thumb" of 10 acres per 1,000 population and Urban Land Institute standard of 25.5 acres per 1,000 population.	1. Bicycle, jogging and exercise trails; 2. Security lighting; 3. Nature areas; 4. Community centers; 5. Playgrounds; 6. Tree plantings; 7. Covered picnic pavilions; 8. Open play areas; 9. Swimming pools; 10. Soccer fields (public survey)	Shortage of soccer fields; public desire for more walking trails.	Acquire 79 new parks; expand 20 parks; restore existing parks; implement master plans for metro parks; expand linear parks system; develop undeveloped sites; build 110 more soccer fields; construct 10 community centers; rehab/replace pools; new natatorium; revise maintenance program; construct new parks headquarters.	Absence of traditional land use planning
La Porte	Currently 115 acres of developed parks plus 187 acres at Bay Forest Golf Course. Citywide, ratio for neighborhood parks is 0.9 acres per 1,000, and ratio for community parks is 2.8. Both are below NRPA standards.	NRPA Standards	Citizens cited: 1.playgrounds; 2.picnic tables; 3.jogging & biking trails; 4.Natural habitat/ nature areas; 5.Rental picnic/ reunion pavilions.	1. Renovate & improve existing parks; 2. Redistribute existing athletic facilites; 3. Add more pavilions & picnic areas; 4. Acquire land & develop a new baseball complex; 5. Develop the west side park site; 6. Develop natural habitats & greenbelts; Develop connector trail segments.	Create & maintain accessible system; provide diversity of parks and recreation activities; presurve natural areas/habitats; develop pedestrian/bicycle system; upgrade existing parks; establish appropriate funding; maximize public/private partnerships.	Projected increase in senior population; no room for expansion, need for infill; need to work with industrial complex to maintain and enhance waterfront.
Missouri City	Currently 260 acres, which is 6.1 per 1,000 population; low, but offset by homeowners' association facilities. Goal: .25-.50 acres per 1,000 for mini-park, 1.0-2.0 per 1,000 for neighborhood park, 5.0-8.0 per 1,000 for community park.	NRPA Standards	1. Trails; 2. Baseball fields; 3. Outdoor Basketball Facilities; 4. Playground Areas, Equipped; 5. Picnic Tables. (Varies by zone.)	1. City-wide trail plan; 2. Use wetlands for parks; 3. More programs/facilities for youth; 4. Development of landscape/streetscape plan; 5. Maintenance of existing parks.	More amenities & expansion of existing parks; new parks should be larger; coordinate with school district for joint parks; establish procedure/strategy for acquisition; more marketing; expand contract maintenance; complete operations manuals - goals for maintenance frequency.	Accommodating rapid growth

Exhibit V-A: Comparison of Municipal Master Plans

City	Acres Per 1,000 People	Other Standards	Top Desired Amenities	Top Priorities	Goals	Barriers/Challenges to Parks Program
Pasadena	Not specifically used.	Park category classification, but without acreage: mini-parks, neighborhood parks, etc.	Trails and natural areas, an indoor recreation center, and swimming pools	1. Develop city-wide hike/bike trail; 2. Develop indoor recreation center; 3. Renovate central (Strawberry) park; 4. Develop new park from City land; 5. Redevelop Memorial Park with swim facility.	Acquire and develop 300 acres of community parkland and 25 acres of neighborhood parkland; reorganize existing facilities to increase amenities but not adversely impact neighborhoods; identify and acquire natural open spaces; promote historic character of sites; cost-effective maintenance.	Lack of staff, insufficient land for sports facilities, funding
Pearland	Currently 4.2 acres per 1,000 persons. General goal: 10-12 acres per 1,000 persons. Specific goals: 2.5 acres per 1,000 for neighborhood park, 2.5-3.0 per 1,000 for community park; 5.0-10.0 for regional park.	TPW/ NRPA Standards for activities/facilities	1. Swimming/Water Play Center; 2. Hike and Bike Trails; 3. Soccer Fields; 4. Recreation Center; 5. Tennis Complex; 6. Miniature Golf Course; 7. Amphitheater; 8. Public Golf Course	1. Swimming/Water Play Center; 2. Hike and Bike Trails; 3. Soccer Fields; 4. Recreation Center; 5. Tennis Complex; 6. Miniature Golf Course; 7. Amphitheater; 8. Public Golf Course	Meet needs of each neighborhood; new open space coordinated with drainage plan; development of greenways/trails with drainage plan; development of new large park facilities	Population growth in limited geographic area
Seabrook	Currently 133.7 acres of City parks for 9,000 people (14.8 acres per 1,000). Goal to meet NRPA standards.	NRPA Standards	1. City-wide trail system linking parks; 2. indoor recreation center; more waterfront parks; indoor aquatic facility; tournament athletic facility; cultural/theater complex	Citywide beautification with interconnecting trails; 3 new neighborhood parks, one community park, trail access to existing regional parks, trail network	Acquisition and development in west, redevelopment in the east.	Maintenance, update equipment for playground areas, budget
Tomball	Not specifically used.	NRPA Standards	1. Picnicking; 2. Nature walks; 3. Baseball; 4. Arboretum & nature center; 5. Tennis; 6. Natural areas (public survey)	1. Acquire 2 sites for future parks; 2. Acquire and develop 2 sites with grant; 3. Develop several undeveloped parks with grant; 4. Develop hike & bike trails; 5. Preserve large open space reserve.	Establish interconnecting trail system; develop 5 parks; acquire and develop 2 parks; acquire future trails.	Funding, particularly for trails
Webster	Existing is 7.5 acres per 1,000 people; exceeds unnamed national standard	None used	1. Hiking trails; 2. Biking trails; 3. Fishing piers & nature observatories; 4. Picnic areas; 5. Basketball courts & playgrounds; 6. Open play fields; 7. Canoe launches; 8. Tennis courts (public survey)	Assemble easements for hike/bike trails system which integrates with development of amenities associated with Clear Creek. Acquire additional park land and add amenities to existing parks.	Hike/bike system linked to neighborhood parks, Clear Creek, and Challenger 7 Park. Develop passive uses along Clear Creek. Upgrade amenities in neighborhood parks.	None identified
West University	Not used	Goal is neighborhood parks within 5-10 minutes walk from all homes.	Existing: 1. Walking; 2. Running; 3. Bicycling; 4. Swimming; 5. Playgrounds; 6. Wildlife. Desired: 1. More walking; 2. Dogs; 3. More bicycling.	More facilities for seniors and young teens; expanded adult and youth sports league facilities; more swimming; locate city-wide recreation at community parks; provide appropriate dog settings; additional acquisition.	Provide parks appropriate to location. Provide beautiful parks. Distinguish between neighborhood & community parks. Enhance pedestrian/bicycle access to parks. Enhance hometown character of city. Provide for long-term recreational needs.	None identified

VI Assessment of Harris County Flood Control District Facilities

Overview

Harris County should continue to engage the Harris County Flood Control District (HCFCD) as a partner in the implementation of its Parks Master Plan. Along with municipal park property, facilities owned or managed by HCFCD which encompass approximately 36,000 acres, are a key component in the acquisition and joint development of recreational amenities and open space.

While HCFCD facilities must first and foremost address their mission of flood damage reduction, these facilities enjoy great success when developed with complementary park and open space uses. HCFCD facilities include channel right-of-ways, in-line detention, stormwater detention basins, Buy-out Properties and floodplain acquisition and preservation; they are indicated in *Exhibit VI-A: HCFCD Facilities.*

HCFCD channel right-of-ways and adjacent floodplain acquisition land, the majority of HCFCD facilities, comprise a significant portion of the Proposed Primary Greenway Plan described in Chapter VII of this report. In fact, the Primary Greenway Plan cannot be achieved without the cooperation of HCFCD.

Regional stormwater detention basins, a major component of HCFCD facilities, also offer tremendous opportunities for complementary passive and active uses. They are well-suited to serve as major points of interest or activity along a greenway system. Additionally, their proximity to water also offers many opportunities for conservation, nature appreciation, and water-based recreation. Any development within these basins must preserve the intended stormwater storage capacity.

HCFCD function, history, mission and perspective on future joint development opportunities are described in *Exhibit VI-B: Harris County Park Master Plan & County Flood Control District Facilities.*

Analysis of Detention Basins and Other Facilities

An analysis of 49 regional detention basins in Harris County reveals that most provide opportunities for complementary uses. HCFCD provided the data analyzed for each basin which included a brief written narrative, aerial photos (circa 1999), diagrammatic site plans, and GIS maps with watershed and FEMA (circa 2000) floodplain information.

Factors reviewed included: land characteristics, adjacent drainage, proximity to existing/ proposed amenities, availability of contiguous land above the basin elevation, public access, flood control type, schedule for completing basin development, possible complementary uses, and validation of proposed uses. *Exhibit VI-C: Regional Stormwater Detention Basin Assessment Worksheet* was used in the analysis.

Exhibit VI-D: Summary of HCFCD Regional Stormwater Detention Basin Assessment documents possible complementary uses for each basin. The analysis results are summarized in the next section, along with the other recreational opportunities with HCFCD facilities.

Narrative Summary of HCFCD Recreational Opportunities

Land Characteristics

- Roughly one third of the existing detention basin sites have identified jurisdictional wetlands. Many sites have potential wetlands that have not yet been verified by the United States Army Corps of Engineers.
- Almost half of the existing detention basin sites appear to have some forested area. However, most detention basin sites are at least partially cleared.
- Approximately half of the detention basins are at least partially excavated at this time.

Conclusion:
Facilities generally have multiple conditions, with some cleared or excavated areas and some undisturbed areas. If there is a specific type of recreation or conservation amenity desired in a specific part of the County, it is recommended that HCFCD be contacted as early as possible to determine if a site capable of accommodating the amenity exists in their inventory.

Adjacent Drainage

- Streams, channels and floodplain acquisition land form natural and manmade corridors that are desirable for use as greenways and trail systems.
- Some streams and channels are cleared (altered) and some are naturally forested.
- Land purchased through various buyout programs are typically located within the 100-year floodplain, but is not necessarily located adjacent to a channel. Many of these facilities could accommodate tree planting.

Conclusion:
There is an extensive existing natural and/or manmade stream or channel system in Harris County with diverse environmental characteristics and habitat.

Proximity to Existing/Proposed Amenities

- Less than a quarter of existing detention basin sites are adjacent to an existing park.
- About half of the detention basin sites are along one of the greenways in the proposed Primary Greenway Plan. Another dozen detention basin sites are along bayous or creeks that do not have adjacent greenways under the proposed Primary Greenway Plan.
- Although a few detention basins are known to be part of a conservation area, including the Katy Prairie Conservancy, many of HCFCD right-of-ways provide conservation opportunities. Floodplain acquisition and preservation is an important part of the HCFDC conservation mission.

Conclusion:
There are ample opportunities for linking the existing basin sites with the proposed Primary Greenway Plan or other greenways, as well as with existing parks and conservation areas.

Contiguous Land above Basin Storage Elevation

- Most detention basin sites appear to have adjacent undeveloped land. This land may or may not be available for development. Most buyout properties do not have available adjacent land.

Conclusion:
Opportunities for acquisition of property adjacent to existing detention basin sites should be explored by recreational partners. Acquisition of adjacent property above the basin elevation could create greater flexibility for complementary uses.

Public Access

- Most of the existing detention basin sites are adjacent to public right-of-ways.

Conclusion:
Public access to most sites could be achieved utilizing the existing right-of-ways.

Schedule for Completing Development

- Most of the existing detention basin sites are still being excavated. Even sites that appear to be fully excavated at this time may be expanded in the future.
- Less than a quarter of the existing detention basin sites appear to have buried utilities. Utility locations need to be verified for each project prior to any construction activities.
- Over half of the existing detention basin sites could accommodate an interim use.
- HCFCD schedule for facility improvements should be referenced as soon as an opportunity for a complementary use is identified.

Conclusion:
Final engineering will influence the complementary use. Because most detention basin facilities are not in their final engineered form, there is a higher level of flexibility in the planning of complementary uses.

Possible Complementary Use(s)

- Most of the existing natural and manmade streams and channels appear to be suitable for greenway and trail systems. Many streams and channels also serve as in-line detention and/or nature/conservation areas.
- Most of the existing detention basin sites appear to be suitable for passive uses; a smaller percentage will accommodate active uses in addition to any detention functions.
- Over half the detention basin sites appear to provide opportunities for conservation/nature areas.
- The local community should participate, at the appropriate level, in determining uses for property acquired through the Buyout Program. These sites can be used for a multitude of passive complementary uses.
- Half of the detention basin sites appear to have opportunities for development related to adjacent greenways on the proposed Primary Greenway Plan.

Conclusion:
There are numerous opportunities for complementary uses of all kinds.

Validation of Proposed Use(s)

- Roughly one-third of the detention basin sites have documented needs for proposed uses.
- Numerous requests for use of HCFCD right-of-ways for trails and buy-out properties for pocket parks are currently under review. These requests come from various groups including municipalities and civic associations, as well as individuals seeking to "adopt a lot".
- Public support and inquiries regarding proposed uses have increased dramatically within the last year. These possible recreation partners include Harris County precincts, municipalities, non-profit organizations and special interest groups.
- Numerous existing Harris County Parks are located along various bayous and creeks such as Brays Bayou, Buffalo Bayou, Clear Creek, Cypress Creek, Greens Bayou, Sims Bayou and White Oak Bayou.
- Future greenways are currently proposed along Armand Bayou, Brays Bayou, Buffalo Bayou, Clear Creek, Cypress Creek, Greens Bayou, Halls Bayou, Little Cypress Creek, Sims Bayou, Spring Creek, Vince Bayou, and White Oak Bayou. The opportunities for trails and greenways along the existing bayous and creeks are tremendous.

Conclusion:
Additional investigation should be conducted to assess public support for specific projects. Precinct amenity priorities should also be taken into account when proposing complementary uses.

Summary

The recommendations of this assessment support the concept of complementary use development of regional detention basins, channel right-of-ways, buyout properties, and floodplain acquisition/preservation facilities. Although implementation of any proposed complementary use should be preceded by a review of engineering plans and studies and appropriate public input, exploration of possibilities should begin now.

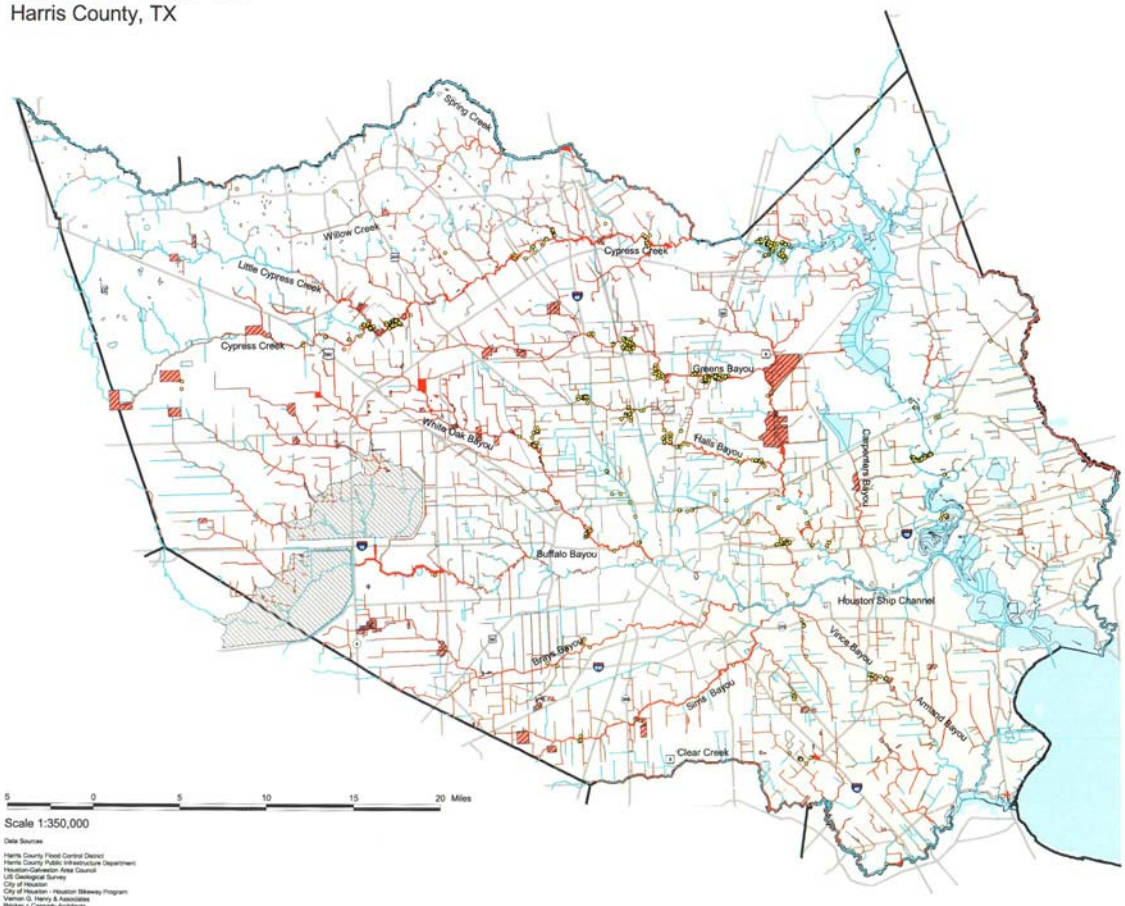
Master planning efforts associated with the development of the Proposed Greenway Plan discussed in Section VII should begin far in advance of implementation. Additionally, the development of conceptual master plans for regional detention basins should be initiated soon to more clearly identify possibilities for complementary uses; *Exhibit VI-E: Conceptual Master Plan Beltway 8 Sports Park* is an example of such a plan.

To date, numerous HCFCD facilities have been developed with complementary uses or are being planned to include complementary uses. Some of these projects are described in *Exhibit VI-F: HCFCD Regional Stormwater Detention Basins with Complementary Uses.*

Master Plan - Phase Two
Harris County, TX

HCFCD Facilities
Harris County

Exhibit VI-A



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

- Buyouts
- U.S. Army Corps of Engineers Detention
- HCFCD Detention/Floodplain Preservation
- HCFCD R.O.W.
- HCFCD Facilities - Drainage
- County Borders
- Major Roads
- Waterways
- Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

5.20.2003

BCA Bricker + Cannady Architects

Harris County
Flood Control District

Harris County Park Master Plan & Harris County Flood Control District Facilities

HISTORY AND MISSION

Water has been a magnet for civilizations since the beginning of recorded history; so it's no surprise that in 1836, brothers Augustus and John Allen found the confluence of Buffalo and White Oak Bayous, on Texas' coastal plains, a perfect place to settle. However, even then, flooding was a fact of life in the Harris County area.

In 1937, the Texas Legislature created the Harris County Flood Control District (District) and designated the Harris County Commissioners Court as its governing body. The legislature charged the District with building projects to control, store, preserve, and distribute the storm and flood water, and the waters of the rivers and streams in Harris County.

The intended purpose of those projects was the protection of land threatened by surging storm and flood waters, the conservation of forests and the protection of navigation on the navigable streams. Special powers, including the authority to partner with the federal government on flood control projects, were also granted.

The District's mission statement is: "Strive to provide flood damage reduction projects that work, with appropriate regard for community and natural values."

WHAT THE DISTRICT DOES

The District uses many techniques to reduce the risk of flooding and reduce flood damages. Some projects widen and deepen the channels so that more storm water can flow through them. Stormwater detention basins are used to temporarily store excess flood waters until the stream has room for it. Another approach to flood damage reduction is a buyout, which seeks to remove flood prone houses, buildings or other structures from the path of the flood waters.

Once new projects are in place, the District's focus becomes managing its infrastructure. The District also manages many natural channels that have not had previous construction projects, but are a vital component to the flood drainage system of Harris County. Additionally, the District works to identify and cultivate desirable vegetation (including wildflowers, trees, and native species of grasses and plants) which will reduce the erosion on the drainage and flood damage reduction infrastructure it manages.

The District cannot legally fund recreational amenities. However, regional partnerships with other public as well as private and non-profit organizations facilitate the multiple uses (multi-use) of District facilities for open space, hike and bike trails, grazing pastures, wildflower and tree plantings and sports fields. Some of the District's partnership projects are tailored to the needs of the recreational sponsors, but always with District needs/purposes satisfied first. These partnerships are consistent with the District's support of community and natural values as stated in the mission statement.

GOALS OF MULTI-USE ON DISTRICT FACILITIES

The District actively seeks partnerships to develop the multi-use of facilities to complement its existing flood damage reduction and conservation purposes. The effort to accommodate additional public needs within the community, as well as meeting the District's mandate of conservation and flood damage reduction, have created opportunities for the utilization of needed green space and can allow for recreational needs of specific user groups.

The District has determined that the use of its facilities creates a public benefit in many different areas:

- The District has determined that these opportunities are consistent with the vision expressed by both the Harris County Parks Master Plan and the City of Houston Master Plan. Such partnerships benefit the community by meeting the growing demand for publicly owned green space in a rapidly developing region.
- The District has determined that its role of leadership within the community is consistent with its goals of seeking out and creating opportunities for the multi-use of its land assets for the benefit of the citizens of Harris County.
- The District is expecting to be a participating and contributing member of Harris County-City of Houston Quality of Life initiatives while maintaining its primary responsibility of flood damage reduction and conservation.

It is the District's intent to utilize Federal Emergency Management Agency (FEMA) open space guidelines as a reference for the type of multi-use facilities that may be constructed. As a general rule, projects that comply with FEMA open space requirements have no permanent structures, and are related to recreation, environmental quality, conservation, and quality of life. This intent is to not interfere with the District's main function: flood damage reduction.

MULTI-USE OPPORTUNITIES

Potential multi-use opportunities exist on District right-of-way, primarily consisting of major channels and tributaries, regional detention basins, FEMA and other buyout properties, federal flood damage reduction projects, and floodplain preservation and conservation areas.

Multi-use opportunities tend to fall within four categories:

1. Channel right-of-way and in-line detention
2. Stormwater detention basins
3. Buyout properties
4. Floodplain acquisition/preservation

The focus of the District is flood-damage reduction. As a result, the District acquires land throughout the county for regional stormwater detention basins, channel enlargements, and other purposes as stated above. This partnership allows individual cities and the community at-large to capitalize on District land for joint-use recreation since the land is only needed for flood control purposes during flooding events. The District benefits by having a partner that provides increased resources for maintenance of District property. Such partnerships benefit the community by meeting the growing demand for publicly owned green space in a rapidly developing region.

Excavated detention basins may have a "wet bottom" with extensive excavation, water quality features and stages of vegetative and extensive tree planting throughout. Wetlands may be located within the buffer area around the perimeter of a facility with no plans to impact these wet areas. Certain passive recreational features, such as trails or walkways, can be built adjacent to or over wetlands, and even include interpretative signage for environmental education.

WHEN DO MULTI-USE OPPORTUNITIES ARISE?

Multi-use opportunities (particularly those pertaining to community and natural values) may be considered in District plans well before the beginning of land acquisition. Project planning begins with the demonstrated need for flood damage reduction projects, but appropriate multi-use objectives can be accommodated at any stage of the project. If a partnership is not identified at an early stage of the project, multi-use objectives remain viable, but the choice of multi-use amenities may be more limited.

District right-of-way ownership is extensive throughout Harris County, and inquiries about these opportunities are best directed to the District. Ownership and opportunities are constantly evolving as various projects and parcels progress through the system at the District.

A typical flood damage reduction project cycles through various stages. The earlier a multi-use objective is determined, the more flexibility there will be in

coordinating designs. However, it is never too late to provide multi-use in a facility. Typical steps for a flood damage reduction project are:

- Planning – Project development
- Project Management – land acquisition, engineering and construction drawings
- Project Construction
- Project Completion – including the vegetation management plan for establishing and maintaining trees, wildflowers, and other vegetation
- Property management, maintenance and operations

DISTRICT CURRENT/ PLANNED MULTI- USE PROJECT EXAMPLES

Existing District facilities developed with complementary uses include:

A prime example of an existing multi-use development project is Arthur Storey Park along Brays Bayou. Harris County Precinct Three constructed and maintains the park facilities, per an agreement with the District. The park and adjoining detention facilities include walking and biking paths, a playground, an education center, gazebos and a duck pond. A detention basin weir within the park area was constructed to be aesthetically pleasing using bollards and stamped concrete. The weir also serves for maintenance and as part of the hike and bike trail. Additional facilities and a vegetation plan are under design and development.

Terry Hershey Park illustrates another type of multiple use, detention facility along channel right-of-way. This park features linear parkland with in-line stormwater storage totaling over 170 acres. The storage was created by providing aesthetically pleasing rolling contours; no standing water or pond features exist in this setting. Old-growth trees were not disturbed during the project, and a wide mix of native trees and understory continue to be planted within the excavated areas. Volunteers have helped in wildflower and tree plantings, and hike and bike trails are featured throughout the popular park.

Other successful Hike & Bike Trails line the bayous - notably Brays, Buffalo, Greens, Halls, Hunting, Sims and White Oak.

District facilities with complementary use projects under design include:

One of the most exciting multi-use projects now in design is known as The Hill at Sims Greenway near Highway 288. This partnership project incorporates "topographic relief" associated with a stormwater detention excavation project with created hills and trails designed for mountain biking, jogging, and walking. Extensive plantings will transform this property into a green haven adjacent to the Sims Bayou Federal Flood Damage Reduction Project. With Houston Parks and Recreation Department as the recreation partner, this 106-acre site benefits from

technical assistance through the Greater Houston Off-Road Biking Association, and the National Park Service Rivers, Trails and Conservation Assistance program. These hills and trails will be linked to the trails along Sims Bayou and adjacent City of Houston parks.

Beltway 8 Sports Park in Harris County Precinct Two will feature fields with an arena-styled entrance sure to excite athletes and spectators of all ages. A diverse array of recreational choices complements the sports fields.

The Willow Waterhole Greenway Project is a collaborative effort between the District, the U.S. Army Corps of Engineers and the City of Houston Parks and Recreation Department. This project is part of the Brays Bayou 211f Federal Flood Damage Reduction Project and will receive grant funding assistance from Texas Parks and Wildlife Department. As per public input, the project's park features will primarily be passive recreation facilities, including trails, interpretative signage, wetlands and a lake. When completed, this project is expected to contain approximately 280 acres.

Precinct 1 Watershed Statistics
In Harris County, Texas

WATERSHED NAME	DRAINAGE AREA (SQ. MILES)	ALL STREAMS: OPEN CHANNEL LENGTH (MILES)	ALL STREAMS: STORM SEWER / HISTORICAL CHANNEL LENGTH (MILES)	PRIMARY STREAMS: OPEN CHANNEL UNIT #	PRIMARY STREAMS: OPEN CHANNEL LENGTH (MILES)		CENSUS 2000 POPULATION
Brays Bayou	44.97	39.03	10.01	D100-00-00	8.57		224,092
Buffalo Bayou	10.29	5.40	0.00	W100-00-00	5.40		53,246
Carpenters Bayou	11.46	8.49	0.00	N100-00-00	5.18		1,863
Clear Creek	47.45	103.04	0.31	A100-00-00	34.05		78,295
Greens Bayou	85.02	152.37	9.71	P100-00-00	20.82	35.00	171,786
				P118-00-00	14.18		
Hunting Bayou	17.42	24.95	19.78	H100-00-00	6.55		48,208
San Jacinto River	23.19	31.29	3.20	G100-00-00	1.60	12.20	7,651
				G103-00-00	10.60		
Sims Bayou	58.32	76.63	14.16	C100-00-00	18.30		122,336
White Oak Bayou	24.91	40.88	15.69	E100-00-00	5.70		117,380
SUBTOTAL		**482.08**	**72.86**				
TOTAL	**323.03**	**554.94**			**130.95**		**824,857**

Harris County
Flood Control District
9900 Northwest Freeway
Houston, Texas 77092
713 684-4000

Precinct 2 Watershed Statistics
In Harris County, Texas

WATERSHED NAME	DRAINAGE AREA (SQ. MILES)	ALL STREAMS: OPEN CHANNEL LENGTH (MILES)	ALL STREAMS: STORM SEWER / HISTORICAL CHANNEL LENGTH (MILES)	PRIMARY STREAMS: OPEN CHANNEL UNIT #	PRIMARY STREAMS: OPEN CHANNEL LENGTH (MILES)		CENSUS 2000 POPULATION
Armand Bayou	59.10	85.18	5.81	B100-00-00		13.82	119,342
Brays Bayou	8.90	10.22	0.00	D100-00-00		5.48	47,415
Buffalo Bayou	7.13	6.73	0.00	W100-00-00		6.73	36,951
Carpenters Bayou	19.68	33.21	1.56	N100-00-00		12.01	37,045
Cedar Bayou	54.09	95.34	1.92	Q100-00-00		31.48	41,116
Clear Creek	33.13	47.10	7.48	A100-00-00		10.12	39,731
Greens Bayou	25.54	4.04	2.32	P100-00-00	11.05	13.51	66,916
				P118-00-00	2.46		
Hunting Bayou	13.56	20.66	3.20	H100-00-00		8.64	44,690
Jackson Bayou	1.04	0.75	0.00	R100-00-00		0.00	0
San Jacinto & Galveston Bay	19.25	35.51	5.97	F216-00-00	3.64	5.84	19,868
				F220-00-00	2.20		
San Jacinto River	108.05	125.81	3.24	G100-00-00	26.06	40.89	76,087
				G103-00-00	14.83		
Sims Bayou	24.41	42.94	5.17	C100-00-00		5.77	131,580
Spring Gully & Goose Creek	32.76	65.08	6.31	O100-00-00		12.28	30,422
Vince Bayou	15.28	19.18	10.17	I100-00-00		7.43	85,091
White Oak Bayou	11.78	5.79	3.34	E100-00-00		2.01	68,243
SUBTOTAL		**597.54**	**56.49**				
TOTAL	**433.70**	**654.03**				**176.01**	**844,497**

Harris County
Flood Control District
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Precinct 3 Watershed Statistics
In Harris County, Texas

WATERSHED NAME	DRAINAGE AREA (SQ. MILES)	ALL STREAMS: OPEN CHANNEL LENGTH (MILES)	ALL STREAMS: STORM SEWER / HISTORICAL CHANNEL LENGTH (MILES)	PRIMARY STREAMS: OPEN CHANNEL UNIT #	PRIMARY STREAMS: OPEN CHANNEL LENGTH (MILES)		CENSUS 2000 POPULATION
Addicks Dam	123.47	123.98	12.68	U100-00-00	17.49	54.56	112,576
				U101-00-00	16.63		
				U102-00-00	16.46		
				U106-00-00	3.98		
Barker Dam	42.44	49.90	3.57	T100-00-00		11.50	62,640
Brays Bayou	59.01	72.20	22.62	D100-00-00		17.12	399,760
Buffalo Bayou	57.02	81.02	17.97	W100-00-00		18.42	246,387
Cypress Creek	142.18	137.18	5.48	K100-00-00	23.46	44.44	42,341
				L100-00-00	20.98		
Spring Creek	26.00	41.43	0.88	J100-00-00		22.82	1,080
White Oak Bayou	9.21	10.36	0.00	E100-00-00		2.38	24,524
Willow Creek	5.63	3.61	0.00	M100-00-00		1.91	0
SUBTOTAL		**519.68**	**63.20**				
TOTAL	**464.96**	**582.88**				**173.15**	**889,308**

Harris County
Flood Control District
9900 Northwest Freeway
Houston, Texas 77092
713 684-4000

Precinct 4 Watershed Statistics
In Harris County, Texas

WATERSHED NAME	DRAINAGE AREA (SQ. MILES)	ALL STREAMS: OPEN CHANNEL LENGTH (MILES)	ALL STREAMS: STORM SEWER / HISTORICAL CHANNEL LENGTH (MILES)	PRIMARY STREAMS: UNIT #	PRIMARY STREAMS: OPEN CHANNEL LENGTH (MILES)		CENSUS 2000 POPULATION
Addicks Dam	14.82	17.10	0.00	U100-00-00	3.39	7.24	34,922
				U101-00-00	0.00		
				U102-00-00	0.00		
				U106-00-00	3.85		
Brays Bayou	1.37	0.00	0.00	D100-00-00		0.00	10,569
Buffalo Bayou	17.29	27.90	3.72	W100-00-00		4.54	64,829
Cedar Bayou	24.77	24.79	0.00	Q100-00-00		7.97	7,366
Cypress Creek	114.54	156.26	3.56	K100-00-00	25.60	31.36	198,633
				L100-00-00	5.76		
Greens Bayou	100.22	125.08	9.84	P100-00-00	19.92	23.77	168,421
				P118-00-00	3.85		
Jackson Bayou	24.45	34.72	0.27	R100-00-00		4.65	9,694
Luce Bayou	22.60	28.81	0.00	S100-00-00		9.08	3,780
San Jacinto River	86.52	123.39	4.70	G100-00-00	0.00	22.57	87,852
				G103-00-00	22.57		
Spring Creek	33.34	68.99	1.68	J100-00-00		43.32	28,533
White Oak Bayou	65.19	106.77	14.62	E100-00-00		15.41	207,199
Willow Creek	49.94	56.31	0.97	M100-00-00		18.03	20,118
SUBTOTAL		**770.12**	**39.36**				
TOTAL	**555.05**	**809.48**				**187.94**	**841,916**

Harris County
Flood Control District
9900 Northwest Freeway
Houston, Texas 77092
713 684-4000

Exhibit VI-C: Regional Stormwater Detention Basin Assessment Worksheet

HCFCD No.: _____
Also known as: _____
Key Map: _____

Precinct: _____
Municipality: _____

Land Characteristics	Identified Wetlands?* Yes No	Forested, non-disturbed area? Yes No	Cleared or to be cleared? Yes No	Excavated or to be excavated? Yes- Partial No
Adjacent Drainage	Adjacent bayou/ creek? Yes No	Adjacent channel? Yes No	Buried Pipe/Culvert? Yes No	In floodplain?** Yes No
Proximity to Existing/ Proposed Amenity	Contiguous park? Yes No	Contiguous greenway? Yes No	Conservation area? Yes No	
Contiguous Land above Basin Elevation	Available? Yes No			
Public Access	Existing contiguous ROW? Yes No			
Flood Control Type(s)	Dry detention basin	Passive – no engineered function	Unknown/Un-determined	
Schedule for completing HCFC development	Complete	Partially complete	To be completed	Interim use possible
Possible Complementary Use(s)	Active	Passive	Conservation/Nature	Greenway/Trail
Validation of Proposed Use(s)	Documented Need Yes No	Public Support Yes No		

* Contains identified jurisdictional wetlands **According to FEMA 2000 data Note: Analysis is based on draft/preliminary information from HCFCD.

Exhibit VI-D: Summary of Harris County Flood Control District Regional Stormwater Detention Basins

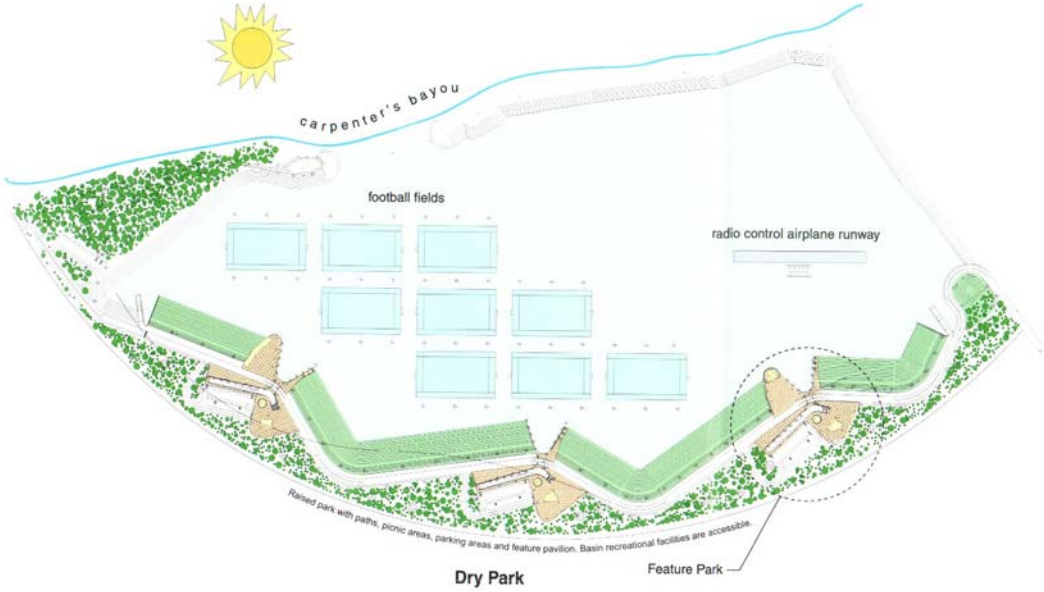
This table demonstrates the different complementary uses that may be developed within sections of a detention basin facility. Several different complementary uses could be included in a single basin.

Possible Complementary Uses:

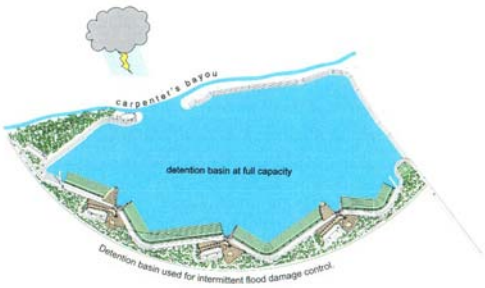
A = Active Recreation: Typically sports fields.
P = Passive Recreation: Walking, hiking, biking, canoeing, nature study, photography, etc.
C = Conservation: Identified wetlands, wooded/forested areas, water quality features, known habitat, floodplain acquisition, nature areas.
G = Greenway Corridors: Typically trails, bikeways, water courses and/or natural habitat connectivity

HCFCD No.:	Key Map	Bayou/ Creek	Acres	Precinct	Municipality	Possible Multi-Use
A521-01-00	616KL	Clear Creek	79	1	Pearland	A,P,C,G
B500-01-00	537Z	Armand Bayou	41	2	Pasadena	A,P,C,G
B500-02-00	578B	Armand Bayou	46	2	Pasadena	P,C,G
B500-04-00	578A	Armand Bayou	67	2	Pasadena	A,P,C,G
B504-01-00	578S	Horsepen Bayou	36	2	Houston	P,C,G
B512-01-00	539W	Willow Spring Creek	80	2	Deer Park	A,P,C,G
C500-01-00	571N	Sims Bayou	289	1	Houston	A,P,G
C500-03-00	573KP	Sims Bayou	280	1	Houston	A,P,C,G
C506-01-00	576L	Berry Bayou	96	2	Houston	A,P,C
C506-02-00	576L	Berry Bayou	37	2	Houston	P,G
C547-01-00	571UV	Sims Bayou	121	1	Houston	A,P,C,G
D500-01-00	529A	Brays Bayou	48	3	Houston	A,P,C,G
D500-04-00	528AB	Brays Bayou	350	3	unincorporated/ Houston	A,P,C,G
D500-05-00	529L	Brays Bayou	25	3	Houston	P,G
D500-06-00	529L	Brays Bayou	198	3	Houston	A,P,C,G
D512-01-00	571BC	Willow Waterhole Bayou	285	1	Houston	A,P,C,G
E500-01-00	410Q	White Oak	86	4	unincorporated	P,C,G
E500-02-00	410U	White Oak	75	4	unincorporated	P,C,G
E500-03-00	410V	White Oak	94	4	Houston	A,P,C,G
E500-04-00	411N	White Oak	29	4	Houston	A,P,C,G
E500-05-00	451D	White Oak	25	1	Houston	P,G
E500-06-00	411Y	White Oak	35	1	Houston	P,C,G

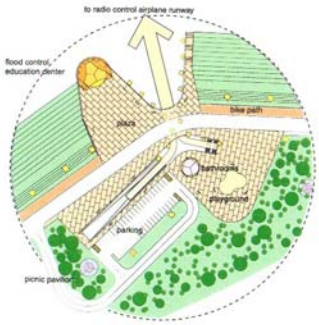
HCFCD No.:	Key Map	Bayou/ Creek	Acres	Precinct	Municipality	Possible Multi-Use
E500-10-00	410N	White Oak	41	4	unincorporated	P,C,G
E532-01-00	369S	White Oak	14	4	unincorporated	P,G
E535-01-00	409L	White Oak	43	4	unincorporated	A,P,G
K500-01-00	368G	Cypress Creek	118	3	unincorporated	P,C,G
K500-04-00	333EF	Cypress Creek	120	4	unincorporated	P,C,G
K500-05-00	369AB	Cypress Creek	43	4	unincorporated	P,C,G
L500-02-00	368BC	Little Cypress Creek	138	4	unincorporated	P,C,G
L514-01-00	325A	Little Cypress Creek	101	3	unincorporated	P,C,G
M500-01-00	288V	Willow Creek	76	4	Tomball	A,P,G
N500-01-00	457LQ	Carpenters Bayou	181	2	unincorporated	A,P,G
O500-02-00	500H	Goose Creek	46	2	unincorporated	P,C,G
P500-01-00	416NP	Greens Bayou	1529	1	unincorporated/ Houston	A,P,C,G
P500-02-00	370R	Greens Bayou	235	4	unincorporated	A,P,C,G
P500-03-00	376WX	Greens Bayou	185	4	unincorporated	P,C,G
P500-04-00	373R	Greens Bayou	19	1	Houston	P,G
P500-05-00	371P	Greens Bayou	138	4	unincorporated	A,P,C,G
P500-06-00	414A	Greens Bayou	91	1	unincorporated	A,P,C,G
P500-07-00	372K	Greens Bayou	153	4	unincorporated/ Houston	A,P,C,G
P518-02-00	414J	Halls Bayou	100	1	Houston	A,P,C,G
P518-03-00	414X	Halls Bayou	92	1	Houston	A,P,C,G
P518-04-00	414W	Halls Bayou	58	2	Houston	A,P,C,G
P545-01-00	372AE	Greens Bayou	293	4	unincorporated	A,P,C,G
T501-01-00	445N	Mason Creek	79	3	unincorporated	P,C,G
U500-01-00	407V	Langham Creek	42	4	unincorporated	A,P,G
U500-02-00	406H	Langham Creek	190	3	unincorporated	A,P,C,G
U520-01-00	404RV	Dinner Creek	88	3	unincorporated	A,P,G
			7,192			



Dry Park



Wet Park



Feature Park

Conceptual Master Plan
Beltway 8 Sports Park
Precinct 2
Harris County, Texas

Exhibit VI-E

Beltway 8 Sports Park is representative of Harris County's objective to incorporate Harris County Flood Control District detention basins and floodways into the County's park system. The Beltway 8 site is comprised of a 150 acre detention basin that HCFCD engineered for storm water overflow from neighboring Carpenter's Bayou Watershed, and 57 acres of additional property located above the detention basin.

The design for the park modifies the existing flood basin and western basin edge. This allows the park to handle varied functions during different weather conditions. When dry, the basin is the site of nine football fields and a radio control model airplane runway. The portion of the park located above the detention basin is heavily treed and contains a series of more intimate park functions. The berm that defines the upper edge of the park is shaped with excess soil from the basin and rises from ten to twenty feet above the basin floor. Picnic pavillions, excercise stations, hike & bike paths, paved plazas, parking and buildings housing concessions and a flood control education center are all located on the raised portion of the park.

The Beltway 8 Sports Park provides locations for a variety of activities while celebrating the "invisible infrastructure" of the County's vast flood control network.

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Exhibit VI-F: HCFCD Regional Stormwater Detention Basins with Complementary Use

Unit Number	Key Map Page	Known As	Bayou/ Channel	Location	Acreage	Complementary Use
Precinct 1						
C500-01-00	571N	Blueridge Basin	Sims Bayou	Blue Ridge Road & C100	289	Existing: Interlocal agreement with Houston Youth Ranch. Youth ranching activities, grazing, fishpond.
C500-03-00	573KP	Hill at Sims Greenway	Sims Bayou	Scott & Orem	280	Proposed: "The Hill at Sims Greenway" partnership w/Houston Parks and Recreation. Multi-use trails and mountain biking. Grant.
D512-01-00	571BCD	Willow Waterhole	Willow Waterhole Bayou	Gasmer & S. Post Oak	110	Proposed: Willow Waterhole Greenway partnership w/ Houston Parks & Recreation. Regional grant/ conservation area.
A521-01-00	616 KLPQ	Choate Road Basin	Clear Creek	Choate Road & Clear Creek	79	Existing: Interlocal agreement with Precinct 1. Hike & Bike Trail, radio controlled planes. Adjacent to Dixie Farm Park.
Precinct 1 Acreage Total					758	
Precinct 2						
N500-01-00	457LQ	Beltway 8 Sports Park	Carpenters Bayou	East Belt & US 90	207	Proposed: Interlocal agreement with Precinct 2. Football fields, radio controlled planes, play grounds, picnic pavilions.
Precinct 2 Acreage Total					207	
Precinct 3						
D500-06-00	529L	Arthur Storey Park	Brays Bayou	Beltway 8, Bellaire > Beechnut	198	Existing: Interlocal agreement with Precinct 3. Arthur Storey Park, 175 acres pavilion, trails, pond, playground. Ball fields proposed.
Precinct 3 Acreage Total					198	

Precinct 4						
E535-01-00	409L		White Oak E535	Jersey Village	43	Existing: Interlocal agreement with Jersey Village. Soccer practice fields.
P545-01-00	372AE	Kuykendahl Basin	Greens Bayou/ P145	Kuykendahl Rd at P145	293	Existing: Interlocal agreement with Precinct 4. License with West Mount Houston Sports Flyers, Inc.
Precinct 4 Acreage Total					336	

VII Proposed Primary Greenway Plan

Greenways allow us to treat land and water as a system, as interlocking pieces in a puzzle, not as isolated entitles."

--Edward T. McMahon, American Greenways Program, The Conservation Fund

Greenways are typically linear developments composed of natural and created open space along waterways, utility easements, and roadways. They can link parks, nature/ conservation areas and wildlife habitats. Greenways can also connect schools, historic sites, residential neighborhoods, and business centers.

Greenways typically have one long axis and many points of intersection with the surrounding landscape and infrastructure. This makes it possible for wildlife and people to access the greenway at many points. Trails or bikeways within greenways also connect people, but are not a necessary ingredient of greenway development. Greenway functions include passive activities such as picnicking, walking, jogging, rollerblading, cycling, horseback riding, canoeing, and boating.

Benefits of Greenways

Greenways protect and preserve natural and cultural resources important to the quality of the environment and the character of communities. Greenways contribute to cleaner air, cooler temperatures and mobility, and offer a respite from urban areas.

Greenways can also provide economic benefits from tourism and business relocations. Tourism focused on enjoying natural resources, often called eco-tourism, has been increasingly promoted in Harris County by organizations such as Houston Wilderness, Inc., the Bayou Preservation Association, Buffalo Bayou Partnership and the Katy Prairie Conservancy. These organizations cite the widespread popularity of visiting preserved local habitats and the resulting economic and environmental rewards for communities.

Harris County Greenway Opportunities

Harris County's numerous bayous and creeks offer a significant opportunity for greenway development that has only begun to be realized. Successful examples would be Houston's Buffalo Bayou/ Tinsley Park and the County's Terry Hershey Park, both of which are along Buffalo Bayou. Harris County is fortunate to have a willing partner in the Harris County Flood Control District (HCFCD), which owns right-of-ways for land adjacent to these waterways.

In Harris County, greenway development has often been linked to trail development. *Exhibit VII-A Existing and Proposed Greenways/Trails* shows the abundance of greenways and trails that have been proposed by various governmental entities in the Harris County area. The map is based on municipal greenway/trail plans, Harris County's greenway/trail plans, Houston's Comprehensive Bikeway Plan, HCFCD project data, STEP grant awards, and various other local plans. Some of the existing greenways have been developed with trails, and some existing trails have been developed independent of greenways. Many have been developed in the last five to ten years as the popularity of trails and availability of funding sources has grown.

Most of the existing greenways and trails serve local communities, but the linkages across communities have not yet been realized. However, the various proposed greenways/ trails

documented are so numerous that it is unrealistic to presume that they could all be implemented in the near term.

Therefore, this master plan proposes the creation of a "Primary Greenway Plan" as documented in *Exhibit VII-B*. The establishment of this plan would provide an interconnected network upon which to build. It establishes a priority for execution of certain previously proposed and newly proposed greenway developments.

While some plans, such as the City of Houston's Comprehensive Bikeway Plan, focus on trails and mobility, the Primary Greenway Plan focuses on land and waterway linkages. Therefore, the plan does not include on-street or "shared lanes". However, development of trails within interconnected greenways will provide transportation options thereby enhancing mobility.

The plan seeks to take advantage of property not suited to conventional development and property within or adjacent to parks, waterways, channels, canals, and HCFCD right-of-ways, inline detention and detention basins. Most of the Primary Greenway Plan is located within the flood plain and is well-suited for passive recreation.

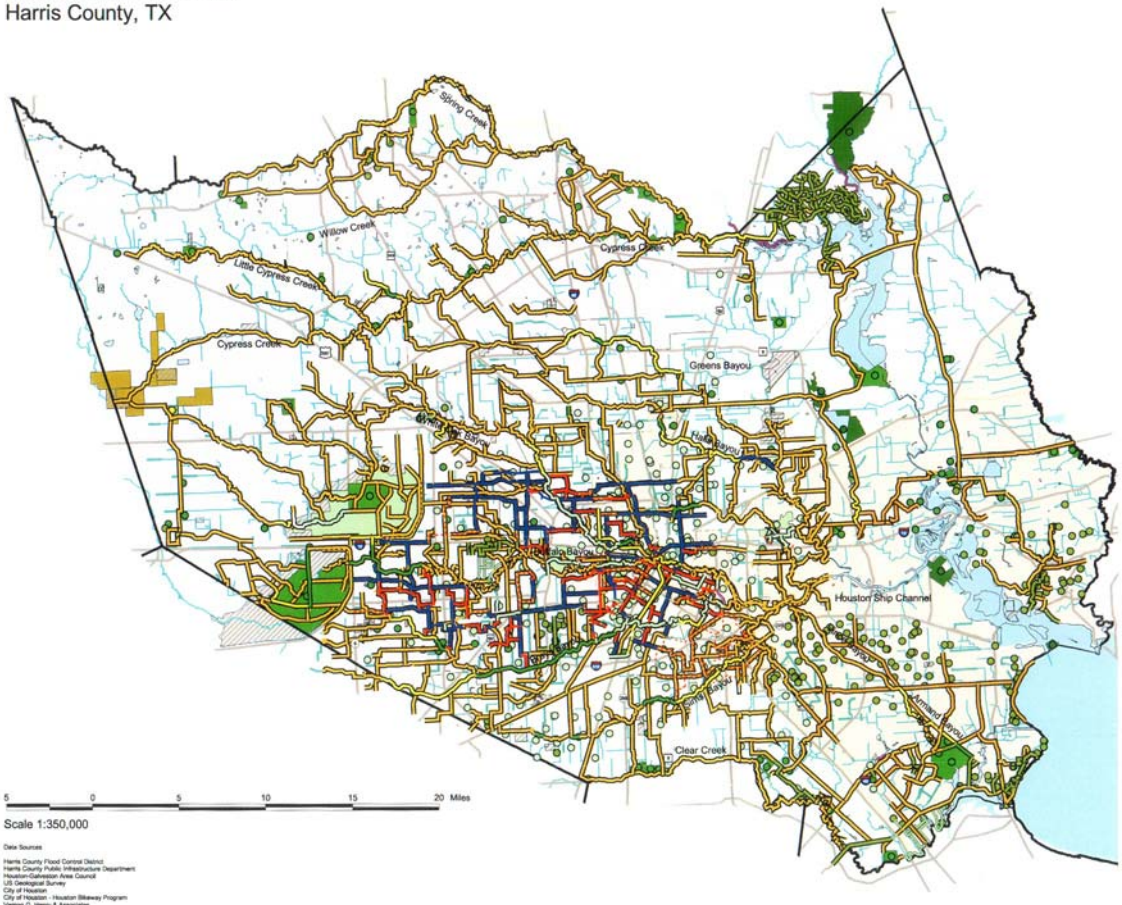
The plan currently indicates 171 miles of existing greenways/trails, although there is overlap between County and Houston records. Indeed, this is appropriate since there are Interlocal agreements that apply to joint development/maintenance agreements on several trails. The plan also indicates 73 miles currently in design or construction and proposes 611 additional miles.

Implementation of the Primary Greenway Plan

Realization of the plan would result in a significant network of preserved natural resources which would have a positive impact on the region's recreational opportunities and its perceived character. This ambitious plan will require the cooperation of multiple entities within the County. HCFCD will be a key player as the potential provider of most of the land in the Primary Greenway Plan. Municipalities will also be integral since the majority of the municipal park master plans cite trails as a high-priority amenity and since numerous grant sources look favorably toward joint development.

This plan coincides with local goals and public support. Open communication of development ideas will continue to foster cooperation and progress. As the primary plan is implemented, secondary and tertiary plans should be added to the network.

Master Plan - Phase Two
Harris County, TX



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources
Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

Existing and Proposed Greenways/ Trails in Harris County

Exhibit VII-A

LEGEND

Existing Greenways
- Harris County
- Houston
- Municipal
- Unknown
- Greenway - Design /Construction
- Greenway & Trail - Design/Construction
- Trail - Design/Construction

COH Bikeway Program
- Proposed - On-street
- Existing - Signed/Shared
- Existing - Bike Lane
- Proposed - On-street
- Existing - Multi-use
- Proposed - Multi-use
- Existing - Other trails

COH Bikeway Program
- Existing - Multi-use
- Proposed - Multi-use
- Existing - Other trails

- COH Proposed
- Proposed Greenways
- Proposed Linear Parks with Trails

Parks 2003
- Harris County
- Houston
- Municipal
- State of Texas

- County Borders
- Detention/Floodplain Preservation

Parks 2003
- Harris County
- Houston
- State of Texas
- Katy Prairie Conservancy

- Major Roads

HCFCD Facilities
- Drainage
- Waterways

- Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

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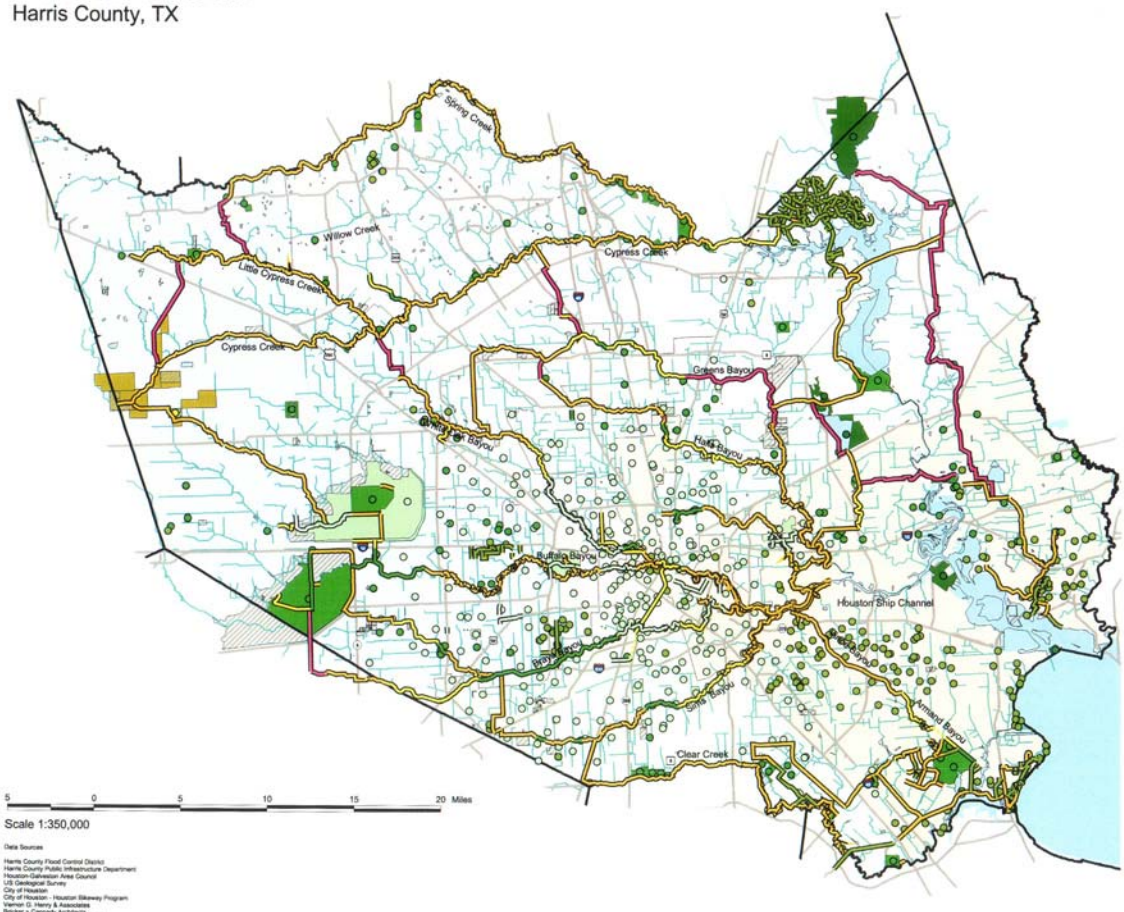
Master Plan - Phase Two
Harris County, TX

Proposed Primary Greenway Plan
Harris County

Exhibit VII-B



5 0 5 10 15 20 Miles

Scale 1:350,000

Data Sources

Harris County Flood Control District
Harris County Public Infrastructure Department
Houston-Galveston Area Council
US Geological Survey
City of Houston
City of Houston - Houston Bikeway Program
Vernon G. Henry & Associates
Bricker + Cannady Architects
Texas Department of Transportation

LEGEND

Existing Greenways
- Harris County
- Houston
- Municipal
- Unknown
- Greenway in Design /Construction
- Greenway & Trail in Design/Construction
- Trail in Design/Construction

- Proposed Greenway Municipal/County/Houston
- Proposed Greenway BCA

Parks 2003
- Harris County
- Houston
- Municipal
- State of Texas

- County Borders
- Detention/Floodplain Preservation

Parks 2003
- Harris County
- Houston
- State of Texas
- Katy Prairie Conservancy

- Major Roads

HCFCD Facilities
- Drainage
- Waterways

- Lakes & Bays

Precincts
- 1
- 2
- 3
- 4

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VIII Funding Sources for Parks, Recreation and Open Space

Regional Park Grants

For Harris County, the primary source of grant funding for general park acquisition and development for the next ten years appears to be Texas Parks and Wildlife Department (TPWD) Regional Park Grants, a highly competitive but generous source of funds.

When Harris County seeks grant funding, projects should be planned in such a manner that the potential to receive TPWD Regional Park Grants will be enhanced. Out of a possible 85 points scored for a Regional Park Grant, 45 of the points are tied to land acquisition. Fortunately, a waiver of retroactivity may be obtained from TPWD that allows land acquisition to proceed while preserving the value and acquisition for future grants within a period of three TPWD fiscal years. The waiver must be approved by TPWD prior to purchase of the property.

Due to the competitive nature of the Regional Park Grant process and the high scores of recent successful grant submittals, the County should not expect to be successful in the pursuit of these grants unless projects submitted include land acquisition. Additionally, if land acquisition is planned for some future undefined project, the County should consider if the acquisition could be part of a project suitable for a Regional Park Grant.

To receive a high score, a proposed project should have the following attributes:

- **Critical** - Includes land acquisition for significant linear greenways, conservation areas and/or intensive use recreation (preferably all three – 50%);
- **Critical** - Includes acquisition and/or development of significant water-based resources and/or other significant natural resource other than water (preferably both – 30%);
- **Critical** - Creates trail or greenbelt linkage with multiple political jurisdictions (20%);
- Has multiple jurisdiction partners, preferably more than three, with matching fund contributions (including non-profit organizations and private donations);
- Is identified in multiple approved or published master plans;
- Includes facility development that will be used or programmed by multiple political jurisdictions;
- Promotes conservation of natural materials.

Other Grants

The TPWD Outdoor Recreation Grants are also a viable source of matching funding, but the grant amounts are smaller than the Regional Park Grants. Other grant programs are either specialized for specific types of parks or amenities, are currently inactive, or depend on construction programs of other entities.

Specific types of amenity development, such as trails, target ranges, boat ramps, boat sewage pump stations, brownfields cleanup, and recreational facilities in HUD Entitlement Areas, should take advantage of grant programs specific to these facilities.

If the Statewide Transportation Enhancement Program is reenacted, it could continue to be a significant source of funding.

Other Opportunities

Harris County could proceed with the implementation of projects without grant funding or pursue other funding sources, such as the private sector and non-profit groups. This may be increasingly necessary, given the highly competitive nature of the Regional Park Grants and the shrinking sources of federal and state funding for parks.

Partnering with entities such as the Harris County Flood Control District (HCFCD), US Army Corps of Engineers, Texas General Land Office, and local municipalities continues to be a viable strategy for completing projects. Possibilities for complementary park uses on HCFCD properties are discussed in Section VII of this document.

Partnering with private corporations also deserves further exploration. Corporations which are relocating to Harris County and/or completing projects to establish corporate facilities could be targets of opportunity.

Documentation of Funding Sources

The following funding summary spreadsheet and fact sheets provide additional detail on funding sources.

Summary - Funding Sources for Parks

A. Grant Funding Sources

Grant Name	Agency	Grant Maximum	Funding Source	Matching Share %	Purpose
Regional Park Grants	Texas Parks & Wildlife Department (TPWD)	$ 2,000,000	Texas Recreation and Parks Account (TRPA)	50/50	Acquisition and development of public recreation areas in metropolitan areas.
Outdoor Recreation Grants	TPWD	$ 500,000	TRPA	50/50	Acquisition and development of parkland or renovation of existing public recreation areas.
Indoor Recreation Grants	TPWD	$ 750,000	TRPA	50/50	Construction of recreation centers and other facilities.
Recreational Trail Grants (motorized and non-motorized)	TPWD	$ 100,000	National Recreational Trail Fund, Federal Highway Bill	80/20	Construction of trails for hike/bike, equestrians, off-road motor vehicles, nature enthusiasts.
Target Range Grants	TPWD	varies	tax on sale of handguns, archery equipment	75/25	Construction, upgrading, or improvement of shooting range facilities.
Boat Ramp Grants	TPWD	varies	federal funds from Sport Fish Restoration Act	75/25	Construction of public boat ramp facilities.
Boat Sewage Pumpout Grants	TPWD	varies	federal funds - Clean Vessel Act (1992)	75/25	Installation of boat sewage pumpout stations.
Horned Lizard License Plate Grants	TPWD	$ 25,000	funds from Texas Horned Lizard license plates	n/a	Wildlife conservation and wildlife research projects.
Land and Water Conservation Fund	National Park Service/ TPWD	not applicable	National Park Service (NPS)	50/50	Distributed at discretion of TPWD Executive Director.
TEA - 21 Congestion Mitigation and Air Quality (CMAQ)	Texas Department of Transportation	varies	US Department of Transportation	80/20, 90/10, or 100%	Development of transportation projects for attainment or maintenance of air quality standards.
Coastal Management Program	Texas General Land Office	varies	National Oceanic and Atmospheric Administration	n/a	Limited to Coastal Zone as defined by General Land Office.
Coastal Impact Assistance Program	Texas General Land Office	varies	National Oceanic and Atmospheric Administration	n/a	Limited to Coastal Zone Counties as defined by General Land Office.
Brownfields Grants	EPA	varies	EPA budget	n/a	Assessment of existing sites, prevention of further contamination, safe site clean-up, design for reuse.

A. Grant Funding Sources (cont.)

Grant Name	Agency	Grant Maximum	Funding Source	Matching Share %	Purpose
Urban Parks and Recreation Recovery (UPARR) Grants	National Park Service/ TPWD	varies	National Park Service/ State of Texas may match	70/30	Repair and rehabilitation of critical urban recreational facilities.
Statewide Transportation Enhancement Program (STEP)	Texas Dept. of Transportation	no maximum	U.S. Department of Transpertation	80/20	Enhancement of transportation facilities, including trails, scenic sites, landscape improvements.

B. Other Funding Sources

Source Name	Agency	Maximum	Funding Source	Matching Share %	Purpose
Community Development Block Grants to Entitlement Communities	US Dept. of Housing and Urban Development	based on formula	federal CDBG funds from HUD	n/a	Develop viable urban communities by providing decent housing and a suitable living environment.
211 (f) Recreation Plan	Harris County Flood Control District	10% of construction project	Congressional Appropriation through the U.S. Army Corps of Engineers	50/50	Development of public recreation areas along flood damage reduction projects.
FEMA/Flood Control	Harris County Flood Control District	varies	Within Designated Areas	n/a	Multipurpose use with a regard for natural values - especially linear greenways
Ongoing Public Works	various governmental entities	n/a	TX DOT, Metro, County/City CIP Projects, Water	n/a	Mitigation, enhancement, air quality, forestation, beautification, noise abatement
Rivers, Trails and Conservation Assistance	National Park Service	n/a	U.S. Department of the Interior	n/a	Help conservation and preservation efforts that involve local citizen groups

A. Grant Funding Sources

Regional Park Grants

Agency:	Texas Parks and Wildlife Department (TPWD)
Contact:	Recreation Grants Branch 4200 Smith School Road Austin, Texas 78744 (512) 912-7124
Grant Maximum:	$2,000,000
Funding Source:	Texas Recreation and Parks Account (TRPA)
Matching Share:	50% / 50%
Purpose:	Acquisition and development of public recreation areas in metropolitan areas of the state.
Targeted recipients:	Local governments (may be in partnership with private sector or non-profit organizations)
Deadline(s):	January 31 of each year Projects must be completed within three years of approval.

Scoring considerations:

- Usually involve large-scale acquisition and development
- Identification in multiple approved or published master plans
- Multiple jurisdiction partners, preferably more than three, with matching fund contributions (including non-profit organizations and private donations)
- Special Land Acquisition points for significant linear greenways, conservation areas and/or intensive use recreation
- Facility development that will be used or programmed by multiple political jurisdictions
- Private sector or non-profit contributions
- Dedication of publicly-owned non-parkland
- Acquisition and/or development of significant water-based resources or other significant natural resource other than water
- Trail or greenbelt linkage with multiple political jurisdictions
- Conservation of natural resources
- Project has a direct link to the mission of Texas Parks & Wildlife Department.
- Very competitive: typically five to ten applicants per round, sometimes funding for one to four projects

Outdoor Recreation Grants

Agency:	Texas Parks and Wildlife Department (TPWD)
Contact:	Recreation Grants Branch 4200 Smith School Road Austin, Texas 78744 (512) 912-7124
Grant Maximum:	$500,000
Funding Source:	Texas Recreation and Parks Account (TRPA)
Matching Share:	50% / 50%
Purpose:	Acquisition and development of parkland or renovation of existing public recreation areas.
Targeted recipients:	Cities, counties, MUDs, and other special districts.
Deadline(s):	January 31 and July 31 of each year. Projects must be completed within three years of approval.

Scoring considerations:

- Higher score for satisfying priority needs as identified in a Department-approved, sponsor-endorsed jurisdiction-wide parks, recreation and open space master plan.
- Land acquisition for conservation or future development is heavily weighted in the score.
- Higher score for providing a more balanced mix and wider variety of park and recreation opportunities/facilities.
- Higher score for providing improved water-based park and recreation opportunities.
- Points are awarded based upon a percent of the project development funds for basic park and recreational facilities.
- Higher score for serving low-income, minority, elderly citizens and youth-at-risk program facilities.
- Higher score for involving cooperation between sponsor and other governmental or educational institutions.
- Higher score for involving private sector donations.
- Points are also awarded for conservation of natural resources, greenbelt linkages, and opportunities involving cultural resources.

Indoor Recreation Grants

Agency:	Texas Parks and Wildlife Department (TPWD)
Contact:	Recreation Grants Branch 4200 Smith School Road Austin, Texas 78744 (512) 912-7124
Grant Maximum:	$750,000
Funding Source:	Texas Recreation and Parks Account (TRPA)
Matching Share:	50% / 50%
Purpose:	Construction of recreation centers and other facilities.
Targeted recipients:	Cities, counties, MUDs, and other local units of government.
Deadline(s):	July 31 of each year Projects must be completed within three years of approval.

Scoring considerations:

- Higher score for satisfying priority needs as identified in a Department-approved, sponsor-endorsed jurisdiction-wide parks, recreation and open space master plan.
- Higher score for providing a more balanced mix and wider variety of indoor park and recreation opportunities/facilities.
- Higher score for improving geographic distribution of public indoor recreation facilities.
- Higher score for providing public indoor recreation opportunities to significant segments of the population within the sponsor's jurisdiction.
- Higher score for providing improved opportunities for youth-at-risk citizens
- Higher score for involving cooperation between sponsor and other governmental or educational institutions.
- Higher score for involving private sector donations.
- Higher score for renovating an existing facility.
- Higher score for serving low-income, minority, and elderly citizens.
- Higher score for promoting conservation of natural resources and environmental values.

Recreational Trail Grants

Agency:	Texas Parks and Wildlife Department (TPWD)
Contact:	Recreation Grants Branch 4200 Smith School Road Austin, Texas 78744 (512) 912-7124
Grant Maximum:	$100,000
Funding Source:	National Recreational Trail Fund from Federal Highway Bill
Matching Share:	80% / 20%
Purpose:	Construction of trails in local communities for hikers, cyclists, horseback riders, and nature enthusiasts. Note: Thirty percent of the annual apportionment must go toward motorized trail projects.
Targeted recipients:	Cities, counties, state agencies, river authorities, water districts, MUDs, school districts, federal land managers, non-profit organizations, and other private organizations.
Deadline(s):	June 1 of each year Projects must be completed within three years of approval.

Scoring considerations:

- Eligible projects include: new trails, trail restoration, trail-side or trail-head facilities; features which enhance access to trails; acquisition of easements or leases for trails; acquisition of property for trails; trail maintenance; environmental mitigation, educational trail signs.
- At least 30% of funds will be allocated to motorized trails; at least 30% will be allocated to non-motorized trails. The remainder is allocated to "diversified" trail use.
- Evaluation of projects is based on overall quality, ability to serve recreational needs, cost-effectiveness, benefits, community support, innovation, geographic scope and distribution, and accommodation of barrier free access.
- Projects which serve multiple, compatible trail users will be given priority as will projects undertaken with partnerships.
- Projects in which the sponsor is willing to provide more than the minimum 20% match will be given preference depending upon the extent of over-match committed.

Target Range Grants

Agency:	Texas Parks and Wildlife Department (TPWD)
Contact:	Education Division 4200 Smith School Road Austin, Texas 78744 (512) 389-4568
Grant Maximum:	varies
Funding Source:	11% excise tax on sale of handguns and archery equipment
Matching Share:	75% / 25%
Purpose:	Construction, upgrading, or improvement of shooting range facilities
Targeted recipients:	Local governments, private groups, and non-profit organizations
Deadline(s):	none; may be submitted at any time

Scoring considerations:

- Facilities must be opened to the public.
- Evaluation based on TPWD's Target Range Plan
- Eligible projects include backstops, berms, target holders, benches, baffles, protective fencing, signs, gun racks, platforms, roads, parking areas, sanitary facilities, storage rooms, shelter buildings, and classrooms.

Boat Ramp Grants

Agency:	Texas Parks and Wildlife Department (TPWD)
Contact:	Recreation Grants Branch 4200 Smith School Road Austin, Texas 78744 (512) 912-7124
Grant Maximum:	varies; funding only intermittently available
Funding Source:	Federal funds from Sport Fish Restoration Act
Matching Share:	75% / 25%
Purpose:	Construction of public boat ramp facilities – funding is for construction only.
Targeted recipients:	Local governments
Deadline(s):	January 31 and July 31 each year

Scoring considerations:

- Local government sponsors must apply, provide the land, provide access to the proposed boat ramp and accept operation and maintenance responsibilities for a minimum 25-year period.

Boat Sewage Pump-out Grants

Agency:	Texas Parks and Wildlife Department (TPWD)
Contact:	Recreation Grants Branch 4200 Smith School Road Austin, Texas 78744 (512) 912-7124
Grant Maximum:	varies
Funding Source:	federal funds from Clean Vessel Act of 1992
Matching Share:	75% / 25%
Purpose:	Installation of boat sewage pump-out stations.
Targeted recipients:	Private marinas and local governments
Deadline(s):	January 31 and July 31 each year

Scoring considerations:

- All recreational vessels must have equal access to pump-out stations.
- A maximum fee of $5.00 may be charged by operators to cover use and maintenance costs.

Horned Lizard License Plate Grants

Agency: Texas Parks and Wildlife Department (TPWD)

Contact: Recreation Grants Branch
4200 Smith School Road
Austin, Texas 78744
(512) 912-7124

Grant Maximum: $25,000 suggested (requests for larger amounts will be considered, but only for exceptional and well-justified proposals)

Funding Source: funds from Texas Horned Lizard license plates

Matching Share: not applicable

Purpose: Wildlife conservation and wildlife research projects

Targeted recipients: Open to public or private organizations with projects meeting program criteria.

Deadline(s): None

Scoring considerations:

- Innovative and highly visible projects with long-term impacts;
- Visible projects clearly identified with conservation of Texas' nongame wildlife and their associated habitat;
- Projects which have a mechanism for acknowledging funding from the Conservation License Plate;
- Projects which can be implemented within one year of project approval, or if project is ongoing, a demonstration of where future funds will come from (a minimum of 10% of the funds will be retained until conclusion and final assessment of the project); and,
- Projects which will have a positive benefit to nongame fish and wildlife and a secondary impact of encouraging other groups to undertake similar activities

Land and Water Conservation Fund Grants

Agency:	National Park Service (NPS) / Texas Parks and Wildlife Department
Contact:	National Park Service 1309 Jackson Street Omaha, Nebraska 68102 402-221-3310
Grant Maximum:	not available for local park grants except through Texas Parks and Wildlife Department
Funding Source:	National Park Service/ Department of the Interior budget
Matching Share:	50/50
Purpose:	Distributed at the discretion of the TPWD Executive Director; may be integrated into other programs, especially TRPA Regional Park Grants and Outdoor Recreation Grants
Targeted recipients:	States (TPWD may choose to augment funds for cities, counties, MUDs, and other special districts.)
Deadline(s):	not applicable

Scoring considerations:

- At the Federal level each project must be in accord with a State Comprehensive Recreation Plan, meeting high priority recreation needs shown in the action program portion of the plan. Beyond this, the selection of projects is made by the State Liaison Officer (Texas Parks and Wildlife Department) who is responsible for the program administration in Texas.
- Acquisition and development grants may be used for a wide range of outdoor recreation projects, such as picnic areas, inner city parks, campgrounds, tennis courts, boat launching ramps, bike trails, outdoor swimming pools, and support facilities such as roads, water supply, etc.
- No application process; discretionary distribution by State.
- Note: A report released February 26, 2003 by Director Fran P. Mainella shows that more than 1300 new parks have been created or developed in the last three years with help from the Federal Land and Water Conservation Fund. Since the program's inception in 1964, over $3.5 billion has been made available to state and local governments to assist in planning, acquiring and developing public outdoor recreation areas and facilities.

TEA-21 Congestion Mitigation and Air Quality (CMAQ)

Agency:	Houston-Galveston Area Council (H-GAC), Texas Department of Transportation (TxDOT), Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA)
Contact:	Texas Department of Transportation Dewitt C. Greer Highway Building 125 E. 11th Street Austin TX 78701-2483 (512) 305-9501 web site: http://www.dot.state.tx.us
Grant Maximum:	varies
Funding Source:	US Department of Transportation from Transportation Equity Act for the 21st Century (TEA-21), which established the Surface Transportation Program (STP) and the Congestion Mitigation and Air Quality Improvement Program (CMAQ)
Matching Share:	80% / 20%, 90%/10%, or 100%, depending on type of project
Purpose:	Development of transportation projects or programs that will contribute to attainment or maintenance of National Ambient Air Quality Standards (NAAQS)
Targeted recipients:	local government agencies, transportation agencies
Deadline(s):	Established by H-GAC as the Metropolitan Planning Organization (MPO)

Scoring considerations:

- CMAQ candidates are based upon total emissions reduced in pounds per year due to estimated reduction in VMT. Based upon the annualized cost of the project, applicants calculate a dollar-per-pound of reduction. Projects with the greatest reductions receive the highest scores.

Coastal Management Program

Agency: Texas General Land Office Coastal Coordinating Council

Contact: Coastal Management Program, General Land Office
1700 N. Congress Avenue
Austin, Texas 78701-1495
800-998-4GLO or 512-475-1393
www.glo.state.tx.us/coastal/cgrants/index.html

Grant Maximum: varies

Funding Source: National Oceanic and Atmospheric Administration

Matching Share: varies

Purpose: to implement programs and projects for the management of Texas coastal resources

Targeted recipients: local government, limited non-profit eligibility

Scoring considerations:

- Limited to Coastal Zone as defined by General Land Office
- Priorities: Coastal Natural Hazards Response, Critical Areas Enhancement, Shoreline access, Waterfront Revitalization and Ecotourism Development, Public Information and Outreach, Water Quality Improvement

Coastal Impact Assistance Program

Agency/Contact: Same as above, *www.glo.state.tx.us/coastal/ciap/index.html*

Matching Share: none required

Purpose: Protect and restore coastal resources and mitigate the impacts of off-shore oil and gas production

Eligible: Identified coastal counties in Texas

Brownfields Grants

Agency:	US Environmental Protection Agency (EPA)
Contact:	U.S. Environmental Protection Agency, Region 6 Regional Brownfields Coordinators 1445 Ross Avenue Dallas, Texas 75205-2733
Grant Maximum:	varies
Funding Source:	EPA budget
Matching Share:	varies
Purpose:	Assessment of existing sites, prevention of further contamination, safe site clean-up, design for reuse
Targeted recipients:	States, local governments and communities
Deadline(s):	vary

Scoring considerations:

- Acceptable green space redevelopment includes: parks, playgrounds, trails, gardens, habitat restoration, open space, and/or green space preservation.
- Assessment grants provide funding for a grant recipient to inventory, characterize, assess, and conduct planning and community involvement related to Brownfield sites.
- Revolving Loan Fund grants provide funding for a grant recipient to capitalize a revolving loan fund and to provide subgrants to carry out cleanup activities at brownfields sites.
- Cleanup grants provide funding for a grant recipient to carry out cleanup activities at brownfields sites.

Urban Parks and Recreation Recovery (UPARR) Grants

Agency: Texas Parks and Wildlife Department (TPWD) and National Park Service (NPS)

Contact: National Park Service Regional Office
1309 Jackson Street
Omaha, Nebraska 68102
(402) 221-3310

Grant Maximum: varies

Funding Source: National Park Service; State of Texas has participated with a partial match in the past

Matching Share: Three types of UPARR programs – rehabilitation, innovation, and planning. Each program has a set percentage of federal matching funds. Only rehabilitation (capital) grants have been eligible for recent rounds of funding with a 70 federal / 30 local match.

Purpose: Repair and rehabilitation of critical urban recreational facilities. Not used for acquisition. This grant requires a Recovery Action Plan (RAP) in order to be eligible. The RAP is intended to assist local efforts to develop priorities and strategies for overall recreation recovery with citizen involvement and planning.

Targeted recipients: Cities and counties with (high-density) urban areas listed in Federal Register dated October 9, 1979. Eligibility is based on need, economic and physical distress. Discretionary awards are eligible for jurisdictions within standard metropolitan areas. Limited to 15% of the funds distributed annually. The criteria to be addressed are population per square mile, net change in per capita income, percent unemployed, percent of households without automobiles available, total population under 18 years of age and 60 years and over, and percent of persons with income below 125 percent poverty level.

Deadline(s): As announced in the Federal Register.

Scoring considerations:

- UPARR project investment per capita, provision of neighborhood recreation needs, condition of existing recreation properties to be rehabilitated
- Improvement in the quality and quantity of recreation services as a result of rehabilitation, including improvements at specific sites and overall enhancement of the recreation system; jurisdiction's commitment to implementing Recovery Action Program
- Improvement of recreation service to minority and low to moderate income residents, special considerations and distressed neighborhoods; proposal's consistency with local government objectives and priorities for overall community revitalization; neighborhood employment created; private sector and state participation in the proposal.

Statewide Transportation Enhancement Program (STEP)

Agency:	Federal Highway Administration (FHWA) of US Department of Transportation (USDOT); Surface Transportation Program (STP) of Texas Department of Transportation (TxDOT)
Contact:	Texas Department of Transportation Design Division 125 E. 11th Street Austin, Texas 78701-2483
Grant Maximum:	Program offers cost reimbursement, not grants; no maximum established, but total of all projects selected must not exceed 10% of STP funds.
Funding Source:	State of Texas (STP of TxDOT) under entitlement of federal legislation (ISTEA-1991, TEA-21-1998)
Matching Share:	Reimbursement of up to 80 percent of allowable costs
Purpose:	Projects related to transportation that contribute to the livelihood of communities, the quality of the environment, and the aesthetics of roadways. Projects should integrate transportation facilities into the surrounding environment in a sensitive and creative manner that goes beyond standard or routine operations.
Targeted recipients:	Local governments (may be in partnership with private sector or non-profit organizations)
Deadline(s):	Program currently inactive. Last call for nominations was in 2001.

Scoring considerations:

- To be eligible, projects must demonstrate a relationship to the surface transportation system; fit one of the 12 enhancement categories; and go above and beyond standard transportation activities.
- First, TxDOT staff review conformity with technical standards (laws, regulations, and accepted professional practice) and preliminary feasibility and appropriateness of the scope of work. After technical review, projects are evaluated by the Texas Enhancement Project Evaluation Committee (TEPEC) and forwarded to the Texas Transportation Commission.
- Qualifying categories: (1) facilities for pedestrians and bicycles: (2) safety and education activities for pedestrians and bicyclists; (3) acquisition of scenic or historic sites; (4) scenic or historic highway programs; (5) landscaping and beautification; (6) historic preservation; (7) rehabilitation of historic transportation buildings, structures, or facilities; (8) preservation of abandoned railway corridors; (9) control and removal of outdoor advertising; (10) archaeological planning and research; (11) environmental mitigation; (12) establishment of transportation museums.

B. Other Funding Sources

Community Development Block Grants to Entitlement Communities

Agency: US Department of Housing and Urban Development (HUD)

Contact: Local municipality's housing, community development department

Grant Maximum: based on formula

Funding Source: Community Development Block Grant (CDBG) funds from HUD

Matching Share: up to 100%

Purpose: Develop viable urban communities by providing decent housing and a suitable living environment, and by expanding economic opportunities, principally for low- and moderate-income persons.

Targeted recipients: Municipalities with Entitlement Areas and Consolidated Plan: central cities of Metropolitan Statistical Areas (MSAs); other metropolitan cities with populations of at least 50,000; and qualified urban counties with populations of at least 200,000 (excluding the population of entitled cities)

Deadline(s): varies; contact municipality

Scoring considerations:

- Applies to wide range of community development activities directed toward revitalizing neighborhoods, economic development, and providing improved community facilities and services.
- Funds may be used for activities which include, but are not limited to: acquisition of real property; relocation and demolition; rehabilitation of residential and non-residential structures; construction of public facilities and improvements, such as water and sewer facilities, streets, neighborhood centers, and the conversion of school buildings for eligible purposes; public services, within certain limits; activities relating to energy conservation and renewable energy resources; and provision of assistance to profit-motivated businesses to carry out economic development and job creation/retention.
- To receive its annual CDBG entitlement grant, a recipient must have an approved Consolidated Plan, which fulfills the application and reporting requirements and contains an action plan describing how the jurisdiction will use its CDBG funds.
- 70% of the CDBG funds must be used for activities that benefit low- and moderate-income persons. All activities must meet one of the following national objectives for the program: benefit low- and moderate-income persons, prevention or elimination of slums or blight, community development needs having a particular urgency because existing conditions pose a serious and immediate threat to the health or welfare of the community.

211 (f) Recreation Plan

Agency: Harris County Flood Control District

Contact: Harris County Flood Control District
9900 Northwest Freeway
Houston, Texas 77092
(713) 684-4000

Grant Maximum: < 10% of Harris County Flood Control District (HCFCD) Construction Project

Funding Source: Congressional Appropriation through the U.S. Army Corps of Engineers (USACE)

Matching Share: 50% / 50%

Purpose: Development of public recreation areas along flood damage mitigation projects (as approved by the USACE with congressionally appropriated funding). Eligible items include:

- Passive: Pavilions, picnic facilities, piers, playgrounds, ponds, wetland areas, trails (paved and unpaved), visitor centers, wildlife habitat/viewing, environmental education
- Active: Baseball, basketball, bicycling, canoeing, exercise stations, fishing, horseshoes, radio-controlled airplanes/boats/cars, soccer, tennis, volleyball

Targeted recipients: local recreational sponsors as partners with Flood Control District

Deadline(s):

Considerations:

- Requires collaboration with HCFCD. Administers contract for 211(f) project.
- Federal regulations encourage the use of lands acquired for flood control purposes to provide outdoor recreation through a local sponsor if such facilities are compatible with and do not hinder the primary flood control function.
- One local recreation sponsor per project, within defined project area
- Typically involve trails along waterways
- The character of the sites, particularly the passive recreation sites, should strive to be natural or to mimic natural systems with the goal of producing a landscape which is aesthetically pleasing, sustainable, and requiring minimum ongoing maintenance.
- No enclosed structures may be constructed in the lower elevations of the basins.
- Plantings are limited to species tolerant of periodic inundation.
- Projects must:
  - meet the Corps' established guidelines,
  - be economically justified using accepted Corps of Engineers procedures and methodology,
  - show a positive benefit to costs ratio, and

Rivers, Trails and Conservation Assistance Program (RTCA)

Agency: **National Park Service (NPS), U.S. Department of the Interior**
www.nps.gov/rtca

Contact: Rivers, Trails and Conservation Assistance Program
300 E. 8th St., Rm. 578
Austin, Texas 78701-3255
(512) 916-5161

Grant Maximum: technical assistance

Funding Source: NPS budget

Matching Share: n/a

Purpose: The "Rivers & Trails" mission is to help local citizens get conservation and preservation efforts underway. Rivers & Trails can help communities achieve their conservation goals in a variety of ways and tailor activities to meet community needs. These might include everything from resource assessment and mapping, development of promotional brochures and events, planning, public meeting facilitation, project management and coordination, to serving as a liaison with non-profit agencies and local, regional, state, tribal and federal agencies.

Targeted recipients: Local, state and Federal agencies, non-profits. Local citizens must be involved in project.

Deadline(s): The call for submissions is in early summer, but proposals are accepted year-round. Advance consultation with RTCA is welcomed.

Project onsiderations:

- Community initiative
- Cost-sharing
- Cooperation
- Results-orientation
- The NPS Rivers, Trails and Conservation Assistance Program has helped citizens and community leaders plan and advance conservation projects that
  - Link together parks, schoolyards, open spaces and residential areas with safe, quiet greenways;
  - Put the "natural sparkle" back into neglected waterways;
  - Restore significant cultural and historic assets;
  - Recycle abandoned railways into trails that link neighborhoods and communities; preserve open spaces for generations to come.
  -

BCA Bricker + Cannady Architects

Harris County Master Plan for Parks, Recreation and Open Space - Phase 2 Parks Survey

Part A: General Park System Information

Please fill out once for your park system.

Please provide contact information below:

Name:
Department:
Jurisdiction/ Municipality:
Address:
Telephone/Fax:
Email:
Date:

Does your community have a parks master plan? If so, could a copy be made available?

Does your community have additional information describing the park system, surveys, geographical information system (GIS) data, AutoCAD drawings, etc.?

Does your community have any parks owned or operated by homeowner's associations? If so, please include in the park survey.

Does your community have any linear or greenway park systems? If so, please include in the park survey.

Does your community have a website describing the parks system? If so, please provide address.

Part B: Park Specific Survey

Please fill out one for each park, recreational facility, or open space within your jurisdiction.

No.	*General Site Information*	Remarks
1.	Park Name	
2.	Street Address	
3.	Jurisdiction (or Owner)	
4.	Total Acreage (length if linear or greenway park)	
5.	Information Contact Tel. No.	
6.	Reservation Tel. No.	
7.	Normal Operating Hours	
8.	Summary Description of Facilities	

	Which of the following facilities are provided in the park?	Check one	Remarks
9.	Community Center	Yes ☐ No ☐	
10.	Gymnasium	Yes ☐ No ☐	
11.	Swimming Pool	Yes ☐ No ☐	
12.	Nature Center	Yes ☐ No ☐	
13.	Botanical Garden	Yes ☐ No ☐	
14.	Known cultural resources	Yes ☐ No ☐	
15.	Environmental Education Center	Yes ☐ No ☐	
16.	Rest Rooms	Yes ☐ No ☐	
17.	Walking/ Jogging Trail	Yes ☐ No ☐	
18.	Bicycle Trail	Yes ☐ No ☐	
19.	Mountain Bike Trail	Yes ☐ No ☐	
20.	Birding Trail and Blinds	Yes ☐ No ☐	
21.	Nature Trail	Yes ☐ No ☐	
22.	Group Picnic Pavilion (open shelter)	Yes ☐ No ☐	
23.	Picnic Tables	Yes ☐ No ☐	
24.	Fishing Pier	Yes ☐ No ☐	
25.	Archery Range	Yes ☐ No ☐	
26.	Shooting Range	Yes ☐ No ☐	
27.	Boat Ramp	Yes ☐ No ☐	
28.	Canoe Launch	Yes ☐ No ☐	
29.	Ball Fields (Softball, Baseball, Tball)	Yes ☐ No ☐	
30.	Soccer Fields (Regular, Small)	Yes ☐ No ☐	
31.	Basketball Courts	Yes ☐ No ☐	
32.	Tennis Courts	Yes ☐ No ☐	
33.	Football Field	Yes ☐ No ☐	
34.	Skate Park	Yes ☐ No ☐	
35.	Bark Park	Yes ☐ No ☐	
36.	Sculpture Garden	Yes ☐ No ☐	
37.	Playground Equipment	Yes ☐ No ☐	

38.	Golf Course	Yes □ No □	
39.	Lake w/ availability for boating, canoeing, picnicking	Yes □ No □	
40.	Known wetland areas or mitigation banks	Yes □ No □	
41.	Designated preserves or known sensitive vegetation areas	Yes □ No □	
42.	Undeveloped Space - Open (quantify)	Yes □ No □	
43.	Undeveloped Space - Wooded (quantify)	Yes □ No □	
44.	Please indicate any other facility provided by the park that is not on this list		

	Which of the following activities are allowed in the park?	**Check one**	**Remarks**
45.	Picnicking	Yes □ No □	
46.	Group Picnicking	Yes □ No □	
47.	Jogging	Yes □ No □	
48.	Mountain Biking	Yes □ No □	
49.	Bicycling	Yes □ No □	
50.	Roller Skating	Yes □ No □	
51.	Fishing	Yes □ No □	
52.	Canoeing	Yes □ No □	
53.	Bird Watching	Yes □ No □	
54.	Tennis	Yes □ No □	
55.	Soccer	Yes □ No □	
56.	Baseball	Yes □ No □	
57.	Softball	Yes □ No □	
58.	Volleyball	Yes □ No □	
59.	Football	Yes □ No □	
60.	Model Airplane Flying	Yes □ No □	
61.	Skateboarding	Yes □ No □	
62.	Archery	Yes □ No □	
63.	Golfing	Yes □ No □	
64.	Please indicate any other activity supported by the park that is not on this list		

65.	Additional comments:

MEMORANDUM September 5, 2002

TO: Laurie Bricker, President
Board of Education

FROM: Kaye Stripling
Superintendent of Schools

SUBJECT: **RESPONSE TO REFERRAL BM-1514—PUBLIC USE OF HISD PARKS**

In reference to your request for information about public use of the Houston Independent School District's parks, I asked the Office of Finance for information on current policy on parks and school facilities.

The use of school facilities is governed by School Board Policy GKD(LEGAL)-*Use of School Facilities*. District facilities may be rented to educational, religious, and civic groups and other organizations. The availability of facilities for functions other than the HISD's own activities, however, is subject to the needs and convenience of the HISD, which takes priority in the scheduling of facilities. Procedures for the rental of facilities and the rental rates are included in the *Finance Procedures Manual* and are handled through the Controller's office. The fees charged for the rental of facilities are designed to recover the costs of custodial overtime and utility usage.

School playgrounds are available for use by students and patrons of the community. As is the case with school facilities, the availability of playgrounds is subject to the needs and convenience of the district for its own activities. HISD has several contracts with external organizations and community groups for the use of playgrounds at certain campuses. The use of playgrounds at schools with Board-approved contracts is governed by the terms of those contracts. All other playgrounds are available for community use after school hours.

If you have further questions, please call Melinda Garrett, Chief Financial Officer, at 713-892-6830.

Kaye Stripling KS

KS/MG:ms

cc: School Board Members
Melinda Garrett

SEP 9 2002 PM 3:08

Geographic Information System Database Legend			
Field Name	**Data type**	**Description**	**Comments**
ID	Text	Park identification number unique to this database	Key Field: C=Harris County; H=Houston; M=Municipality other than Houston; O=Other; S=SPARK; T=Texas
JURISDICTION	Text	Ownership	Ownership of leased property is designated to party responsible for operating/managing park
PARK_NAME	Text	Name	Several parks have the same name, but are different parks in different jurisdictions.
ADDRESS	Text	Park Address	Addresses indicate physical location of park, not necessarily mailing address
CITY	Text	Park location	City within which park is located
ZIP_CODE	Text	Zip Code	Zip codes were derived from County data, municipal master plans, and 2000 Key Map.
PRECINCT	Text	Precinct	Harris County Precincts within which park is located; 2002 boundaries
TOT_AC	Quantity	Total Acreage	From Houston, Harris County, State, and municipalities.
KEY_MAP	Text	Key Map Page and Section	From Houston, Harris County, State, other municipalities, and 2000 Key Map
INFO_PHONE	Text	Information contact telephone number	
RESERV_PHONE	Text	Reservation telephone number	
HR_SUMO	Date/Time	Summer hour park opens	
HR_SUMC	Date/Time	Summer hour park closes	
HR_WINO	Date/Time	Winter hour park opens	
HR_WINC	Date/Time	Winter hour park closes	
COM_CENTER	Quantity	Community Center	Either 1 community center or 0
GYMNASIUM	Quantity	Indoor basketball court	
SWIM	Quantity	Number of swimming pools	
NAT_CENTER	Quantity	Informal nature center	
BOT_GARDEN	Quantity	Botanical Garden	
Trail_UNDEF	Yes/No	Trail with undefined surface	
UNDEF_LNTH	Quantity	Length of undefined trail	
TRAIL_UNPAVED	Yes/No	Unpaved trail	Includes decomposed granite, wood chips
UNPAVED_LNTH	Text	Length of unpaved trail	
TRAIL_PAVED	Yes/No	Paved trail	Includes concrete, asphalt, other track surfaces
PAVED_LNTH	Quantity	Length of paved trail	
TRAIL_MTNBIKE	Yes/No	Mountain bike trail	
PIC_PAV	Yes/No	Picnic pavilion count	
PIC_TABLES	Yes/No	Picnic table count	
PIER	Yes/No	Public pier	
BOAT_RAMP	Quantity	Boat ramp count	
CANOE_LNCH	Quantity	Canoe launch count	
BALLFIELD	Quantity	Baseball, softball, tee ball, and practice fields	
SOCCER_FB	Quantity	Soccer and football fields	
TENNIS	Quantity	Tennis courts	
VOLLEYBALL	Quantity	Volleyball courts	
BASKETBALL	Quantity	Open basketball courts	
PLAYGROUND	Quantity	Playgrounds	

Field Name	Data type	Description	Comments
SOCCER_ACT	Yes/No	Soccer activity	
FTBALL_ACT	Yes/No	Football activity	
RUGBY_ACT	Yes/No	Rugby activity	
BSBALL_ACT	Yes/No	Baseball activity	
SFTBALL_ACT	Yes/No	Softball activity	
PICNIC_ACT	Yes/No	Picnicking activity	
GPICNIC_ACT	Yes/No	Group picnicking activity	
WALK_ACT	Yes/No	Walking/jogging activity	
MTNBIKE_ACT	Yes/No	Mountain biking activity	
BIKE_ACT	Yes/No	Bicycling activity	
BLADE_ACT	Yes/No	Inline/skate activity	
FISH_ACT	Yes/No	Fishing activity	
CANOE_ACT	Yes/No	Canoeing activity	
BIRD_ACT	Yes/No	Birding activity	
PLAYGND_ACT	Yes/No	Playground activity	
RR_ACT	Yes/No	Restroom activity	
NATTRL_ACT	Yes/No	Nature trail activity	
NATCTR_ACT	Yes/No	Nature center activity	
BOAT_ACT	Yes/No	Boating activity	
TENNIS_ACT	Yes/No	Tennis activity	
VBALL_ACT	Yes/No	Volleyball activity	
MODEL_PLANE	Yes/No	Model airplanes	
LAKE_ACT	Yes/No	Lake activity	
HISTORIC	Yes/No	Historic sites present	
SKATE	Yes/No	Skate park	
GOLF	Number	Number of golf course holes	
BARK	Yes/No	Bark park (dog park)	
SCULPTURE	Yes/No	Sculpture park	
COMMENTS	Text	Comments on special facilities	
SOURCE_CODE	Text	Origin of data	Key Field: C=Harris County; H=Houston; M=Municipality other than Houston
CIN	Text	Park identification number	From County database
1990_CENSUS_TRK	Text	Census Tract	Provided by City of Houston for City parks only; from 1990 census data
PICNO	Text	Park identification number	From Houston database
BAY	Yes/No	Bay access	
BAYOU	Yes/No	Bayou access	
CREEK	Yes/No	Creek access	
RIVER	Yes/No	River access	
POND	Yes/No	Pond access	

Geographic Information System Theme Definition	
VIEW TITLE: AMENITIES	
PARKPOINTS_2003_9CLASS.SHP	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
PARKPOINTS_2003_9CLASS.SHP	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
EXISTING GREENWAYS	c:\park2_bc\parkeditsnew2\parks_linear2002master9.shp
EXISTING GREENWAYS - KINGWOOD	c:\park2_bc\parkeditsnew2\parks_linearkingwood1.shp
EXISTING GREENWAYS - SEABROOK	c:\park2_bc\parkeditsnew3\seabrook1.shp
GREENWAY - DESIGN /CONSTRUCTION	c:\park2_bc\parkeditsnew2\greenway_dc2.shp
GREENWAY & TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\greenway+trail_dc1.shp
TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\trail_dc_bc1_.shp
PROPOSED GREENWAY M/C/H	c:\park2_bc\proposedlparkmch_master3.shp
PROPOSED GREENWAY-MP	c:\park2_bc\proposedlparkmch_master2.shp
PROPOSED GREENWAY-BCA	c:\park2_bc\greenwayprop_bc2.shp
FAREAST_GW1.SHP	c:\park2_bc\parkeditsnew2\fareast_gw1.shp
PARKPOINTSALL_2003_9E.SHP	c:\park2_bc\parkeditsnew3\parkpointsall_2003_9e.shp
BALLFIELDS - BASEBALL & SOFTBALL	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
BASKETBALL COURTS	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
SOCCER FIELDS	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
PLAYGROUNDS	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
PARK POINTS	c:\park2_bc\parkeditsnew3\parkpoints_allmerge2003_9g.shp
OTHER PUBLIC & PRIVATE COURSES	c:\park2_bc\parkeditsnew2\golf4.shp
TENNIS COURTS	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
SWIMMING POOLS	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
PARKS 2003	c:\park2_bc\parkeditsnew3\parkpointsall_2003_9e.shp
REGIONAL (150 +)	c:\park2_bc\buff1p9_150+.shp
BUFFER 1 OF POINTS9_150+.SHP	c:\park2_bc\buff1p9_150+.shp
POINTS9_150+.SHP	c:\park2_bc\parkeditsnew3\points9_150+.shp
COMMUNITY (25+ TO 150)	c:\park2_bc\buff1points9_25+to150.shp
BUFFER 1 OF POINTS9_25+TO150.SHP	c:\park2_bc\buff1points9_25+to150.shp
POINTS9_25+TO150.SHP	c:\park2_bc\parkeditsnew3\points9_25+to150.shp
NEIGHBORHOOD (5+ TO 25)	c:\park2_bc\buff1points9_5+to25.shp
BUFFER 1 OF POINTS9_5+TO25.SHP	c:\park2_bc\buff1points9_5+to25.shp
POINTS9_5+TO25.SHP	c:\park2_bc\parkeditsnew3\points9_5+to25.shp
MINI-PARK (0+ TO 5)	c:\park2_bc\buff1points9_0+to5.shp
BUFFER 1 OF POINTS9_0+TO5.SHP	c:\park2_bc\buff1points9_0+to5.shp
POINTS9_0+TO5.SHP	c:\park2_bc\parkeditsnew3\points9_0+to5.shp
DETENTION	c:\hcfc3\detention_n83.shp
SCHOOLS	c:\park2_bc\parks_cv\school_sp83.shp
SPARK PARKS	c:\park2_bc\parkeditsnew2\sparkschools3.shp
HCFCD FACILITIES	c:\hcfc3\cap_n83.shp

STREETS	c:\hcfc3\starmap_n83.shp
RAILROADS	c:\coh\railroad_sp83.shp
COUNTY BORDERS	c:\imagerygrid\lambert-counties.shp
ATKINSON_I.SHP	c:\park2_bc\atkinson_i.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
PARKS 2003	c:\park2_bc\parkeditsnew3\parkpoly_bc2003merge4.shp
KATY PRAIRIE CONSERVANCY LANDS	c:\kpc protected lands\kp_protected_lands2_sp83.shp
MUNICIPAL	c:\park2_bc\parkeditsnew3\parkpoints_municip_2003_9.shp
MAJOR ROADS	c:\imagerygrid\majorroads.shp
FEMA	c:\hc_floodcon2\fema2000_n83.shp
WATERWAYS	c:\park2_bc\parks_cv\water_sp83.shp
LAKES & BAYS	c:\park2_bc\parks_cv\waterp_sp83.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
CITIES - HARRIS COUNTY	c:\hcfc3\citieshgac_hc83.shp
CITIES H-GAC	c:\park2_bc\cities_sub1.shp
COUNCIL DISTRICTS	c:\coh\councilr_sp83.shp
PRECINCTS	c:\harriscoengr2\newest_prctlines\new prctlines n83.shp
ASTER MOSAIC 2001	Image Theme
LANDSAT ~93	Image Theme
VIEW TITLE: COUNTY MASTER PLAN - BASE	
MAJOR ROADS	c:\imagerygrid\majorroads.shp
MINI-PARK SERVICE AREAS	c:\park2_bc\buff1points9_0+to5.shp
NEIGHBORHOOD SERVICE AREAS	c:\park2_bc\buff1points9_5+to25.shp
COMMUNITY SERVICE AREAS	c:\park2_bc\buff1points9_25+to150.shp
REGIONAL SERVICE AREAS	c:\park2_bc\buff1p9_150+.shp
POINTS9_150+.SHP	c:\park2_bc\parkeditsnew3\points9_150+.shp
POINTS9_25+TO150.SHP	c:\park2_bc\parkeditsnew3\points9_25+to150.shp
POINTS9_5+TO25.SHP	c:\park2_bc\parkeditsnew3\points9_5+to25.shp
POINTS9_0+TO5.SHP	c:\park2_bc\parkeditsnew3\points9_0+to5.shp
ALL PARKS 2003	c:\park2_bc\parkeditsnew3\parkpoints_allmerge2003_8.shp
PARKPOINTSALL_2003_9E.SHP	c:\park2_bc\parkeditsnew3\parkpointsall_2003_9e.shp
PARKPOINTS_2003_9CLASS.SHP	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
EXISTING GREENWAYS	c:\park2_bc\parkeditsnew2\parks_linear2002master9.shp
EXISTING GREENWAYS - KINGWOOD	c:\park2_bc\parkeditsnew2\parks_linearkingwood1.shp
EXISTING GREENWAYS - SEABROOK	c:\park2_bc\parkeditsnew3\seabrook1.shp
GREENWAY - DESIGN /CONSTRUCTION	c:\park2_bc\parkeditsnew2\greenway_dc2.shp
GREENWAY & TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\greenway+trail_dc1.shp
TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\trail_dc_bc1_.shp

PROPOSED GREENWAY MCH	c:\park2_bc\proposedlparkmch_master3.shp
PROPOSED GREENWAY-MP	c:\park2_bc\proposedlparkmch_master2.shp
PROPOSED GREENWAY-B+C	c:\park2_bc\greenwayprop_bc2.shp
PARKPOINTS_MUNICIP_2003MERGE2.SHP	c:\park2_bc\parkeditsnew3\parkpoints_municip_2003merge2.shp
PARKPOINTS_ALLMERGE2003_8.SHP	c:\park2_bc\parkeditsnew3\parkpoints_allmerge2003_8.shp
SCHOOLS	c:\park2_bc\parks_cv\school_sp83.shp
GOLF	c:\park2_bc\parkeditsnew2\golf4.shp
SPARK PARKS	c:\park2_bc\parkeditsnew2\sparkschools3.shp
DETENTION	c:\hcfc3\detention_n83.shp
HCFCD FACILITIES	c:\hcfc3\cap_n83.shp
EXISTING GREENWAYS	c:\park2_bc\parkeditsnew2\parks_linear2002master9.shp
PARK 2001	c:\hc_floodcon2\park2001_n83.shp
EXISTING--PRECINCT1_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--precinct1_sp83.shp
EXISTING--PRECINCT 2_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--precinct 2_sp83.shp
EXISTING--PRECINCT 3_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--precinct 3_sp83.shp
COH_EXISTINGBC1.SHP	c:\park2_bc\parkeditsnew2\coh_existingbc1.shp
BK_EXIST_HOUSTON_SP83.SHP	c:\bikeway\bikeway_klotz_83\bk_exist_houston_sp83.shp
BK_EXIST_BAYTOWN_SP83.SHP	c:\bikeway\bikeway_klotz_83\bk_exist_baytown_sp83.shp
BK_EXIST_CLEARLK_SP83.SHP	c:\bikeway\bikeway_klotz_83\bk_exist_clearlk_sp83.shp
EXISTING--CITY OF HOUSTON2_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--city of houston2_sp83.shp
EXISTING--CITY OF SEABROOK_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--city of seabrook_sp83.shp
EXISTING--HEDWIG VILLAGE_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--hedwig village_sp83.shp
EXISTING--HUNTERS CREEK_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--hunters creek_sp83.shp
GREENWAY_DC2.SHP	c:\park2_bc\parkeditsnew2\greenway_dc2.shp
GREENWAY+TRAIL_DC1.SHP	c:\park2_bc\greenway+trail_dc1.shp
TRAIL_DC_BC1_.SHP	c:\park2_bc\trail_dc_bc1_.shp
TRAILPROP_BC1_.SHP	c:\park2_bc\trailprop_bc1_.shp
HCFCD FACILITIES	c:\hcfc3\cap_n83.shp
PROPOSEDLPARKMCH_MASTER2.SHP	c:\park2_bc\proposedlparkmch_master2.shp
GREENWAYPROP_BC2.SHP	c:\park2_bc\greenwayprop_bc2.shp
JERSEYV_PROPOSEDBC1.SHP	c:\park2_bc\parkeditsnew2\jerseyv_proposedbc1.shp
PRECINCT1_PROPOSEDBC1.SHP	c:\park2_bc\parkeditsnew2\precinct1_proposedbc1.shp
PRECINCT2_PROPOSEDBC2.SHP	c:\park2_bc\parkeditsnew2\precinct2_proposedbc2.shp
PRECINCT3_PROPOSEDBC2.SHP	c:\park2_bc\parkeditsnew2\precinct3_proposedbc2.shp
PRECINCT4_PROPOSEDBC2.SHP	c:\park2_bc\parkeditsnew2\precinct4_proposedbc2.shp
COH_PROPOSEDBC1.SHP	c:\park2_bc\parkeditsnew2\coh_proposedbc1.shp
PROPOSED--CITY OF BAYTOWN_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of baytown_sp83.shp
PROPOSED--CITY OF CLEAR LAKE_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of clear lake_sp83.shp
EXISTING LINEAR PARKS WITH TRAILS	c:\park2_bc\parks_83\lpark_sp83.shp

COH BIKEWAY (2A)	c:\bikeway\bike\lines2a.shp
COH_PROPOSEDBC2.SHP	c:\park2_bc\parkeditsnew2\coh_proposedbc2.shp
PROPOSED LINEAR PARKS WITH TRAILS	c:\park2_bc\parks_cv\prop_lpark_sp83.shp
PROPOSED--PRECINCT 1_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--precinct 1_sp83.shp
PROPOSED--PRECINCT 2_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--precinct 2_sp83.shp
PROPOSED--PRECINCT 3_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--precinct 3_sp83.shp
PROPOSED--PRECINCT 4_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--precinct 4_sp83.shp
PROPOSED--CITY OF WEBSTER_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of webster_sp83.shp
PROPOSED--CITY OF SEABROOK_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of seabrook_sp83.shp
PROPOSED--CITY OF PINEY POINT_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of piney point_sp83.shp
PROPOSED--CITY OF NASSAU BAY_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of nassau bay_sp83.shp
PROPOSED--CITY OF JERSEY VILLAGE_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of jersey village_sp83.shp
PROPOSED--CITY OF HOUSTON_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of houston_sp83.shp
PROPOSED--CITY OF BUNKER HILL_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of bunker hill_sp83.shp
HARRIS CO. CONCEPT BIKEWAYS	c:\park2_bc\parks_cv\hcconceptbw_l1_83.shp
PROP_LPARK.SHP	c:\parks_ghp\linearparks\prop_lpark.shp
PROPOSED LINEAR PARKS	c:\park2_bc\parks_cv\vernon henry\proposedlinearparks_sp83.shp
LINEAR PARKS	c:\park2_bc\parks_cv\vernon henry\linearparks_sp83.shp
HARRIS COUNTY	c:\harriscoengr2\5yr_plan\cnty_line.shp
COUNTY BORDERS	c:\imagerygrid\lambert-counties.shp
LCOUNTY_MAP_MASTER_BIKEWAY_R14.DWG	c:\parks_ghp\lcounty_map_master_bikeway_r14.dwg
RAILROAD_SP83.SHP	c:\coh\railroad_sp83.shp
DETENTION	c:\hc_floodcon2\detention_n83.shp
ATKINSON_I.SHP	c:\park2_bc\atkinson_i.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
PROPOSED CITY PARKS	c:\park2_bc\parks_cv\vernon henry\proposedcityparks_sp83.shp
PARKS 2003	c:\park2_bc\parkeditsnew3\parkpoly_bc2003merge4.shp
PARKS 2002	c:\park2_bc\parkeditsnew2\parkpoly_bc2002merge9j.shp
KATY PRAIRIE CONSERVANCY	c:\kpc protected lands\kp_protected_lands2_sp83.shp
FEDERAL LANDS	c:\park2_bc\parks_cv\federal_lands_sp83.shp
MUNICIPAL	c:\park2_bc\parkeditsnew3\parkpoints_municip_2003_9.shp
STREETS	c:\hcfc3\starmap_n83.shp
STARMAP2001V4.SHP	c:\harriscoengr2\5yr_plan\starmap2001v4.shp
MAJOR ROADS	c:\imagerygrid\majorroads.shp
MAJOR ROADS	c:\hc_floodcon2\mjroad_n83.shp
PRECINCT 1 PARKS	c:\harriscoengr2\5yr_plan\pct1parks.shp
PRECINCT 2 PARKS	c:\harriscoengr2\5yr_plan\pct2parks.shp
PRECINCT 3 PARKS	c:\harriscoengr2\5yr_plan\pct3parks.shp
PRECINCT 4 PARKS	c:\harriscoengr2\5yr_plan\pct4parks.shp
PARK_BC2001_N83.SHP	c:\park2_bc\bc_database\park_bc2001_n83.shp

PARK_BC2001_N83.SHP	c:\park2_bc\bc_database\park_bc2001_n83.shp
LAMBERT_GRID.SHP	c:\imagerygrid\lambert_grid.shp
PCT4PARKS.SHP	c:\ecological capital\harris county\pct4parks.shp
SCHOOL_SP83.SHP	c:\park2_bc\parks_cv\school_sp83.shp
HCFCD FACILITIES	c:\hc_floodcon2\cap_n83.shp
FEMA00CL_N83.SHP	c:\hc_floodcon2\fema00cl_n83.shp
FEMA	c:\hc_floodcon2\fema2000_n83.shp
ARMAND_VINCE1.SHP	c:\park2_bc\armand_vince1.shp
WATERWAYS	c:\park2_bc\parks_cv\water_sp83.shp
LAKES & BAYS	c:\park2_bc\parks_cv\waterp_sp83.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
BODYWATER_N83.SHP	c:\hc_floodcon2\bodywater_n83.shp
MUD_N83.SHP	c:\hc_floodcon2\mud_n83.shp
SCHDISTP_SP83.SHP	c:\park2_bc\parks_cv\schdistp_sp83.shp
WTSH97SUBAREA_N83.SHP	c:\hc_floodcon2\wtsh97subarea_n83.shp
WTSH97_N83.SHP	c:\hc_floodcon2\wtsh97_n83.shp
SOILS-HC_N83.SHP	c:\hc_floodcon2\soils-hc_n83.shp
SNBR-COH_N83.SHP	c:\hc_floodcon2\snbr-coh_n83.shp
CITIES	c:\park2_bc\cities_sub1.shp
CITIES_SUB1.SHP	c:\park2_bc\cities_sub1.shp
CITIES.SHP OUTLINE	c:\imagerygrid\cities.shp
CITIES.SHP	c:\imagerygrid\cities.shp
CITIESHGAC_HC83.SHP	c:\hc_floodcon2\citieshgac_hc83.shp
ZIPCODEPN83.SHP	c:\hc_floodcon2\zipcodepn83.shp
COUNCILR_SP83.SHP	c:\coh\councilr_sp83.shp
PRECINCTS	c:\harriscoengr2\newest_prctlines\new prctlines n83.shp
5354.SID	Image Theme
5859.SID	Image Theme
PRECINCTS	c:\harriscoengr2\newest_prctlines\new prctlines n83.shp
5356.SID	Image Theme
5357.SID	Image Theme
5456.SID	Image Theme
5457.SID	Image Theme
5055.SID	Image Theme
ASTER_HOUMOSAIC1.TIF	Image Theme

LANDSAT ~93	Image Theme
VIEW TITLE: COUNTY MASTER PLAN - EXISTING & PROPOSED GREENWAYS	
PARKS 2003	c:\park2_bc\parkeditsnew3\parkpointsall_2003_9e.shp
PARKPOINTS_2003_9CLASS.SHP	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
EXISTING GREENWAYS	c:\park2_bc\parkeditsnew2\parks_linear2002master9.shp
EXISTING GREENWAYS - KINGWOOD	c:\park2_bc\parkeditsnew2\parks_linearkingwood1.shp
EXISTING GREENWAYS - SEABROOK	c:\park2_bc\parkeditsnew3\seabrook1.shp
GREENWAY - DESIGN /CONSTRUCTION	c:\park2_bc\parkeditsnew2\greenway_dc2.shp
GREENWAY & TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\greenway+trail_dc1.shp
TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\trail_dc_bc1_.shp
PROPOSED GREENWAY M/C/H	c:\park2_bc\proposedlparkmch_master3.shp
PROPOSED GREENWAY-MP	c:\park2_bc\proposedlparkmch_master2.shp
PROPOSED GREENWAY-BCA	c:\park2_bc\greenwayprop_bc2.shp
FAREAST_GW1.SHP	c:\park2_bc\parkeditsnew2\fareast_gw1.shp
PARK POINTS - ALL	c:\park2_bc\parkeditsnew2\parkpoints_allmerge9jco.shp
ADD_EXISTINGPARKS1.SHP	c:\park2_bc\parkeditsnew2\add_existingparks1.shp
EXISTING--PRECINCT1_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--precinct1_sp83.shp
EXISTING--PRECINCT 2_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--precinct 2_sp83.shp
COH_EXISTINGBC1.SHP	c:\park2_bc\parkeditsnew2\coh_existingbc1.shp
EXISTING--PRECINCT 3_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--precinct 3_sp83.shp
PARKS_LINEAR2002.SHP	c:\park2_bc\parkeditsnew\parks_linear2002.shp
BK_EXIST_HOUSTON_SP83.SHP	c:\bikeway\bikeway_klotz_83\bk_exist_houston_sp83.shp
BK_EXIST_BAYTOWN_SP83.SHP	c:\bikeway\bikeway_klotz_83\bk_exist_baytown_sp83.shp
BK_EXIST_CLEARLK_SP83.SHP	c:\bikeway\bikeway_klotz_83\bk_exist_clearlk_sp83.shp
EXISTING--CITY OF HOUSTON2_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--city of houston2_sp83.shp
EXISTING--CITY OF SEABROOK_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--city of seabrook_sp83.shp
EXISTING--HEDWIG VILLAGE_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--hedwig village_sp83.shp
EXISTING--HUNTERS CREEK_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--hunters creek_sp83.shp
GREENWAY+TRAIL_DC1.SHP	c:\park2_bc\greenway+trail_dc1.shp
TRAIL_DC_BC1_.SHP	c:\park2_bc\trail_dc_bc1_.shp
GREENWAY_DC2.SHP	c:\park2_bc\parkeditsnew2\greenway_dc2.shp
TRAILPROP_BC1_.SHP	c:\park2_bc\trailprop_bc1_.shp
PROPOSEDLPARKMCH_MASTER2.SHP	c:\park2_bc\proposedlparkmch_master2.shp
GREENWAYPROP_BC2.SHP	c:\park2_bc\greenwayprop_bc2.shp
PROPOSEDLPARKMCH_MASTER1.SHP	c:\park2_bc\proposedlparkmch_master1.shp
PROPOSED_PCT_BCMASTER1.SHP	c:\park2_bc\proposed_pct_bcmaster1.shp
JERSEYV_PROPOSEDBC1.SHP	c:\park2_bc\parkeditsnew2\jerseyv_proposedbc1.shp
PRECINCT1_PROPOSEDBC1.SHP	c:\park2_bc\parkeditsnew2\precinct1_proposedbc1.shp

PRECINCT2_PROPOSEDBC2.SHP	c:\park2_bc\parkeditsnew2\precinct2_proposedbc2.shp
PRECINCT3_PROPOSEDBC2.SHP	c:\park2_bc\parkeditsnew2\precinct3_proposedbc2.shp
PRECINCT4_PROPOSEDBC2.SHP	c:\park2_bc\parkeditsnew2\precinct4_proposedbc2.shp
COH_PROPOSEDBC1.SHP	c:\park2_bc\parkeditsnew2\coh_proposedbc1.shp
PROPOSED--CITY OF BAYTOWN_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of baytown_sp83.shp
PROPOSED--CITY OF CLEAR LAKE_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of clear lake_sp83.shp
SPARKSCHOOLS3.SHP	c:\park2_bc\parkeditsnew2\sparkschools3.shp
GOLF4.SHP	c:\park2_bc\parkeditsnew2\golf4.shp
EXISTING LINEAR PARKS WITH TRAILS	c:\park2_bc\parks_83\lpark_sp83.shp
COH BIKEWAY PROGRAM	c:\bikeway\bike\lines2a.shp
ASBUILT.DWG	c:\bikeway\bike\asbuilt.dwg
LINES2A_LAYER	c:\bikeway\bike\lines2a.shp
COH BIKEWAY PROGRAM	c:\bikeway\bike\lines2a.shp
COH PROPOSED	c:\park2_bc\parkeditsnew2\coh_proposedbc2.shp
PROPOSED GREENWAYS	c:\bikeway\bikeway_klotz_83\proposed--precinct 1_sp83.shp
PROPOSED-PRECINCT 2	c:\bikeway\bikeway_klotz_83\proposed--precinct 2_sp83.shp
PROPOSED-PRECINCT 3	c:\bikeway\bikeway_klotz_83\proposed--precinct 3_sp83.shp
PROPOSED-PRECINCT 4	c:\bikeway\bikeway_klotz_83\proposed--precinct 4_sp83.shp
PROPOSED-CITY OF WEBSTER	c:\bikeway\bikeway_klotz_83\proposed--city of webster_sp83.shp
PROPOSED-CITY OF SEABROOK	c:\bikeway\bikeway_klotz_83\proposed--city of seabrook_sp83.shp
PROPOSED-CITY OF PINEY POINT	c:\bikeway\bikeway_klotz_83\proposed--city of piney point_sp83.shp
PROPOSED-CITY OF NASSAU BAY	c:\bikeway\bikeway_klotz_83\proposed--city of nassau bay_sp83.shp
PROPOSED-CITY OF JERSEY VILLAGE	c:\bikeway\bikeway_klotz_83\proposed--city of jersey village_sp83.shp
PROPOSED-CITY OF HOUSTON	c:\bikeway\bikeway_klotz_83\proposed--city of houston_sp83.shp
PROPOSED-CITY OF BUNKER HILL	c:\bikeway\bikeway_klotz_83\proposed--city of bunker hill_sp83.shp
HARRIS CO. CONCEPTUAL BIKEWAYS	c:\park2_bc\parks_cv\hcconceptbw_l1_83.shp
PROPOSED LINEAR PARKS WITH TRAILS	c:\park2_bc\parks_cv\prop_lpark_sp83.shp
PARKS 2003	c:\park2_bc\parkeditsnew3\parkpointsall_2003_9e.shp
PROPOSED LINEAR PARKS	c:\park2_bc\parks_cv\vernon henry\proposedlinearparks_sp83.shp
LINEAR PARKS	c:\park2_bc\parks_cv\vernon henry\linearparks_sp83.shp
HARRIS COUNTY	c:\harriscoengr2\5yr_plan\cnty_line.shp
LCOUNTY_MAP_MASTER_BIKEWAY_R14.DWG	c:\parks_ghp\lcounty_map_master_bikeway_r14.dwg
RAILROAD_SP83.SHP	c:\coh\railroad_sp83.shp
ATKINSON_I.SHP	c:\park2_bc\atkinson_i.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
PROPOSED CITY PARKS	c:\park2_bc\parks_cv\vernon henry\proposedcityparks_sp83.shp
COUNTY BORDERS	c:\imagerygrid\lambert-counties.shp
HCFCD DETENTION	c:\hcfc3\detention_n83.shp
PARKS 2003	c:\park2_bc\parkeditsnew3\parkpoly_bc2003merge4.shp

KATY PRAIRIE CONSERVANCY	c:\kpc protected lands\kp_protected_lands2_sp83.shp
FEDERAL LANDS	c:\park2_bc\parks_cv\federal_lands_sp83.shp
MUNICIPAL	c:\park2_bc\parkeditsnew3\parkpoints_municip_2003_9.shp
PROP_LPARK.SHP	c:\parks_ghp\linearparks\prop_lpark.shp
STREETS	c:\hcfc3\starmap_n83.shp
MAJOR ROADS	c:\imagerygrid\majorroads.shp
PRECINCT 1 PARKS	c:\harriscoengr2\5yr_plan\pct1parks.shp
PRECINCT 2 PARKS	c:\harriscoengr2\5yr_plan\pct2parks.shp
PRECINCT 3 PARKS	c:\harriscoengr2\5yr_plan\pct3parks.shp
PRECINCT 4 PARKS	c:\harriscoengr2\5yr_plan\pct4parks.shp
MAJOR ROADS	c:\hc_floodcon2\mjroad_n83.shp
LAMBERT_GRID.SHP	c:\imagerygrid\lambert_grid.shp
HCFCD FACILITIES	c:\hcfc3\cap_n83.shp
FEMA00CL_N83.SHP	c:\hc_floodcon2\fema00cl_n83.shp
FEMA2000_N83.SHP	c:\hc_floodcon2\fema2000_n83.shp
WATERWAYS	c:\park2_bc\parks_cv\water_sp83.shp
LAKES & BAYS	c:\park2_bc\parks_cv\waterp_sp83.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
MUD_N83.SHP	c:\hc_floodcon2\mud_n83.shp
SCHDISTP_SP83.SHP	c:\park2_bc\parks_cv\schdistp_sp83.shp
WTSH97SUBAREA_N83.SHP	c:\hc_floodcon2\wtsh97subarea_n83.shp
WTSH97_N83.SHP	c:\hc_floodcon2\wtsh97_n83.shp
SOILS-HC_N83.SHP	c:\hc_floodcon2\soils-hc_n83.shp
SNBR-COH_N83.SHP	c:\hc_floodcon2\snbr-coh_n83.shp
CITIES	c:\park2_bc\cities_sub1.shp
ZIPCODEPN83.SHP	c:\hc_floodcon2\zipcodepn83.shp
COUNCILR_SP83.SHP	c:\coh\councilr_sp83.shp
PRECINCTS	c:\harriscoengr2\newest_prctlines\new prctlines n83.shp
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N-15-25_30_SP83.TIF	Image Theme
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POPULATION DENSITY RAZ-2025	c:\census\raz1\harrisraz_pop1.shp
POPULATION DENSITY RAZ-2020	c:\census\raz1\harrisraz_pop1.shp
POPULATION DENSITY RAZ-2010	c:\census\raz1\harrisraz_pop1.shp
POPULATION DENSITY RAZ-2005	c:\census\raz1\harrisraz_pop1.shp
POPULATION DENSITY RAZ-2000	c:\census\raz1\harrisraz_pop1.shp
PCT1_POPRAZ.SHP	c:\census\raz1\pct1_popraz.shp
PCT2_POPRAZ.SHP	c:\census\raz1\pct2_popraz.shp
PCT3_POPRAZ.SHP	c:\census\raz1\pct3_popraz.shp
PCT4_POPRAZ.SHP	c:\census\raz1\pct4_popraz.shp
BUYOUTS	c:\purchase030102\purchased_030102poly.shp
PARKS 2003	c:\park2_bc\parkeditsnew3\parkpointsall_2003_9e.shp
PARKPOINTS_2003_9CLASS.SHP	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
COUNTY BORDERS	c:\imagerygrid\lambert-counties.shp
SPARK PARKS	c:\park2_bc\parkeditsnew2\sparkschools3.shp
SCHOOLS HISD & SBISD	c:\park2_bc\parks_cv\school_sp83.shp
GOLF COURSES	c:\park2_bc\parkeditsnew2\golf4.shp
EXISTING GREENWAYS	c:\park2_bc\parkeditsnew2\parks_linear2002master9.shp
EXISTING GREENWAYS - KINGWOOD	c:\park2_bc\parkeditsnew2\parks_linearkingwood1.shp
EXISTING GREENWAYS - SEABROOK	c:\park2_bc\parkeditsnew3\seabrook1.shp
GREENWAY - DESIGN /CONSTRUCTION	c:\park2_bc\parkeditsnew2\greenway_dc2.shp
GREENWAY & TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\greenway+trail_dc1.shp
TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\trail_dc_bc1_.shp
PROPOSED GREENWAY-MP	c:\park2_bc\proposedlparkmch_master2.shp
PROPOSED GREENWAY MCH	c:\park2_bc\proposedlparkmch_master3.shp
PROPOSED GREENWAY-B+C	c:\park2_bc\greenwayprop_bc2.shp
FAREAST_GW1.SHP	c:\park2_bc\parkeditsnew2\fareast_gw1.shp
PARKS_LINEAR2002MASTER3L.SHP	c:\park2_bc\parkeditsnew2\parks_linear2002master3l.shp
PARKS_LINEARDCGREEN3L.SHP	c:\park2_bc\parkeditsnew2\parks_lineardcgreen3l.shp
PARKS_LINEARDCGREEN+TR3L.SHP	c:\park2_bc\parkeditsnew2\parks_lineardcgreen+tr3l.shp
PARKS_LINEARDCGREENTR3L.SHP	c:\park2_bc\parkeditsnew2\parks_lineardcgreentr3l.shp
PARKS_LINEARPROPMCHGREEN3L.SHP	c:\park2_bc\parkeditsnew2\parks_linearpropmchgreen3l.shp
PARKS_LINEARPROPBCGREEN3L.SHP	c:\park2_bc\parkeditsnew2\parks_linearpropbcgreen3l.shp
COH BIKEWAY (2A)	c:\bikeway\bike\lines2a.shp
SCHOOLS	c:\park2_bc\parks_cv\school_sp83.shp
STREETS	c:\hcfc3\starmap_n83.shp

BUYOUTS	c:\park2_bc\parkeditsnew3\buyout_pts1.shp
U.S. ARMY CORPS OF ENGINEERS DETENTION	c:\park2_bc\parkeditsnew2\uscorps_detention`.shp
HCFCD DETENTION/FLOODPLAIN PRESERVATION	c:\hcfc3\detention_n83.shp
HCFCD R.O.W.	c:\hcfc3\row_all.shp
HCFCD FACILITIES	c:\hcfc3\cap_n83.shp
HCFCD FACILITIES	c:\hcfc3\cap_n83.shp
RAILROADS	c:\coh\railroad_sp83.shp
ATKINSON_I.SHP	c:\park2_bc\atkinson_i.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
WETLANDS	c:\nwi\harris-nwi_sp83.shp
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KATY PRAIRIE CONSERVANCY LANDS	c:\kpc protected lands\kp_protected_lands2_sp83.shp
STATE PARKS	c:\park2_bc\parkeditsnew2\stateparks_harris_sp83.shp
MUNICIPAL	c:\park2_bc\parkeditsnew3\parkpoints_municip_2003_9.shp
COUNTY BORDERS	c:\imagerygrid\lambert-counties.shp
MAJOR ROADS	c:\imagerygrid\majorroads.shp
MAJOR ROADS	c:\hc_floodcon2\mjroad_n83.shp
FEMA DRAINAGE	c:\hc_floodcon2\fema00cl_n83.shp
FEMA	c:\hc_floodcon2\fema2000_n83.shp
WATERWAYS	c:\park2_bc\parks_cv\water_sp83.shp
LAKES & BAYS	c:\park2_bc\parks_cv\waterp_sp83.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
MUDS	c:\hc_floodcon2\mud_n83.shp
SCHOOL DISTRICTS	c:\park2_bc\parks_cv\schdistp_sp83.shp
WATERSHEDS	c:\hc_floodcon2\wtsh97subarea_n83.shp
MAJOR WATERSHEDS	c:\hc_floodcon2\wtsh97_n83.shp
SOILS	c:\hc_floodcon2\soils-hc_n83.shp
SNBR-COH_N83.SHP	c:\hc_floodcon2\snbr-coh_n83.shp
CITIES	c:\park2_bc\parkeditsnew3\cities_bc1.shp
CITIES X	c:\hcfc3\citieshgac_hc83.shp
CITIES X	c:\park2_bc\cities_sub1.shp
CITIES H-GAC	c:\hc_floodcon2\citieshgac_hc83.shp
CONGRESSIONAL DISTRICTS	c:\hcfc3\congdist_n83.shp
ZIP CODES	c:\hc_floodcon2\zipcodepn83.shp
COUNCIL DISTRICTS	c:\coh\councilr_sp83.shp
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POPULATION PER ACRE 2025	c:\census\hgac_proj\hgac_projections1.shp
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PRECINCTS	c:\harriscoengr2\newest_prctlines\new prctlines n83.shp
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LANDSAT ~93	Image Theme
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PARKS 2003	c:\park2_bc\parkeditsnew3\parkpointsall_2003_9e.shp
PARKPOINTS_2003_9CLASS.SHP	c:\park2_bc\parkeditsnew3\parkpoints_2003_9class.shp
EXISTING GREENWAYS	c:\park2_bc\parkeditsnew2\parks_linear2002master9.shp
EXISTING GREENWAYS - KINGWOOD	c:\park2_bc\parkeditsnew2\parks_linearkingwood1.shp
EXISTING GREENWAYS - SEABROOK	c:\park2_bc\parkeditsnew3\seabrook1.shp
GREENWAY - DESIGN /CONSTRUCTION	c:\park2_bc\parkeditsnew2\greenway_dc2.shp
GREENWAY & TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\greenway+trail_dc1.shp
TRAIL - DESIGN/CONSTRUCTION	c:\park2_bc\trail_dc_bc1_.shp
PROPOSED GREENWAY M/C/H	c:\park2_bc\proposedlparkmch_master3.shp
PROPOSED GREENWAY-MP	c:\park2_bc\proposedlparkmch_master2.shp
PROPOSED GREENWAY MCH	c:\park2_bc\proposedlparkmch_master2.shp
PROPOSED GREENWAY BCA	c:\park2_bc\greenwayprop_bc4.shp
FAREAST_GW1.SHP	c:\park2_bc\parkeditsnew2\fareast_gw1.shp
PARKS_LINEAR2002MASTER3L.SHP	c:\park2_bc\parkeditsnew2\parks_linear2002master3l.shp
PARKS_LINEARDCGREEN3L.SHP	c:\park2_bc\parkeditsnew2\parks_lineardcgreen3l.shp
PARKS_LINEARDCGREEN+TR3L.SHP	c:\park2_bc\parkeditsnew2\parks_lineardcgreen+tr3l.shp
PARKS_LINEARDCGREENTR3L.SHP	c:\park2_bc\parkeditsnew2\parks_lineardcgreentr3l.shp
PARKS_LINEARPROPMCHGREEN3L.SHP	c:\park2_bc\parkeditsnew2\parks_linearpropmchgreen3l.shp
PARKS_LINEARPROPBCGREEN3L.SHP	c:\park2_bc\parkeditsnew2\parks_linearpropbcgreen3l.shp
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EXISTING--PRECINCT 2_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--precinct 2_sp83.shp
EXISTING--PRECINCT 3_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--precinct 3_sp83.shp
BK_EXIST_HOUSTON_SP83.SHP	c:\bikeway\bikeway_klotz_83\bk_exist_houston_sp83.shp
BK_EXIST_BAYTOWN_SP83.SHP	c:\bikeway\bikeway_klotz_83\bk_exist_baytown_sp83.shp
BK_EXIST_CLEARLK_SP83.SHP	c:\bikeway\bikeway_klotz_83\bk_exist_clearlk_sp83.shp
EXISTING--CITY OF HOUSTON2_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--city of houston2_sp83.shp
PARKS 2003	c:\park2_bc\parkeditsnew3\parkpointsall_2003_9e.shp
EXISTING--CITY OF SEABROOK_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--city of seabrook_sp83.shp

EXISTING--HEDWIG VILLAGE_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--hedwig village_sp83.shp
EXISTING--HUNTERS CREEK_SP83.SHP	c:\bikeway\bikeway_klotz_83\existing--hunters creek_sp83.shp
TRAILPROP_BC1_.SHP	c:\park2_bc\trailprop_bc1_.shp
PROPOSED--CITY OF BAYTOWN_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of baytown_sp83.shp
PROPOSED--CITY OF CLEAR LAKE_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of clear lake_sp83.shp
SPARKSCHOOLS3.SHP	c:\park2_bc\parkeditsnew2\sparkschools3.shp
GOLF4.SHP	c:\park2_bc\parkeditsnew2\golf4.shp
COH BIKEWAY (2A)	c:\bikeway\bike\lines2a.shp
COH_PROPOSEDBC2.SHP	c:\park2_bc\parkeditsnew2\coh_proposedbc2.shp
PROPOSED--PRECINCT 1_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--precinct 1_sp83.shp
PROPOSED--PRECINCT 2_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--precinct 2_sp83.shp
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PROPOSED--PRECINCT 4_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--precinct 4_sp83.shp
PROPOSED--CITY OF WEBSTER_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of webster_sp83.shp
PROPOSED--CITY OF SEABROOK_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of seabrook_sp83.shp
PROPOSED--CITY OF PINEY POINT_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of piney point_sp83.shp
PROPOSED--CITY OF NASSAU BAY_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of nassau bay_sp83.shp
PROPOSED--CITY OF JERSEY VILLAGE_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of jersey village_sp83.shp
PROPOSED--CITY OF BUNKER HILL_SP83.SHP	c:\bikeway\bikeway_klotz_83\proposed--city of bunker hill_sp83.shp
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HARRIS COUNTY	c:\harriscoengr2\5yr_plan\cnty_line.shp
COUNTY BORDERS	c:\imagerygrid\lambert-counties.shp
HCFCD DETENTION	c:\hcfc3\detention_n83.shp
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HCFCD FACILITIES	c:\hc_floodcon2\cap_n83.shp
RAILROAD_SP83.SHP	c:\coh\railroad_sp83.shp
DETENTION	c:\hc_floodcon2\detention_n83.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
PROPOSED CITY PARKS	c:\park2_bc\parks_cv\vernon henry\proposedcityparks_sp83.shp
PARK2001_N83.SHP	c:\hc_floodcon2\park2001_n83.shp
PARKS 2003	c:\park2_bc\parkeditsnew3\parkpoly_bc2003merge4.shp
KATY PRAIRIE CONSERVANCY	c:\kpc protected lands\kp_protected_lands2_sp83.shp
FEDERAL LANDS	c:\park2_bc\parks_cv\federal_lands_sp83.shp
MUNICIPAL	c:\park2_bc\parkeditsnew3\parkpoints_municip_2003_9.shp
PRECINCT 1 PARKS	c:\harriscoengr2\5yr_plan\pct1parks.shp
PRECINCT 2 PARKS	c:\harriscoengr2\5yr_plan\pct2parks.shp
PRECINCT 3 PARKS	c:\harriscoengr2\5yr_plan\pct3parks.shp
PRECINCT 4 PARKS	c:\harriscoengr2\5yr_plan\pct4parks.shp
STREETS	c:\hcfc3\starmap_n83.shp
STARMAP_N83.SHP	c:\hcfc3\starmap_n83.shp

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HCFCD FACILITIES	c:\hc_floodcon2\cap_n83.shp
FEMA00CL_N83.SHP	c:\hc_floodcon2\fema00cl_n83.shp
FEMA2000_N83.SHP	c:\hc_floodcon2\fema2000_n83.shp
WATERWAYS	c:\park2_bc\parks_cv\water_sp83.shp
LAKES & BAYS	c:\park2_bc\parks_cv\waterp_sp83.shp
PONDS & WATER BODIES	c:\hc_floodcon\bodywater_n83.shp
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SCHDISTP_SP83.SHP	c:\park2_bc\parks_cv\schdistp_sp83.shp
WTSH97SUBAREA_N83.SHP	c:\hc_floodcon2\wtsh97subarea_n83.shp
WTSH97_N83.SHP	c:\hc_floodcon2\wtsh97_n83.shp
SOILS-HC_N83.SHP	c:\hc_floodcon2\soils-hc_n83.shp
SNBR-COH_N83.SHP	c:\hc_floodcon2\snbr-coh_n83.shp
CITIES	c:\park2_bc\cities_sub1.shp
ZIPCODEPN83.SHP	c:\hc_floodcon2\zipcodepn83.shp
COUNCILR_SP83.SHP	c:\coh\councilr_sp83.shp
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ASTER_HOUMOSAIC1.TIF	Image Theme
N-15-25_30_SP83.TIF	Image Theme
VIEW TITLE: XTDEFVIEW	

SPARK Parks in Harris County

ID	REF NO.	SCHOOL	ADDRESS	YEAR1
1	S001	Burbank Elementary	216 Tidwell	1983-84
2	S002	Cornelius Elementary	7475 Westover	1983-84
3	S003	Dodson Elementary	1808 Sampson	1983-84
4	S004	Gregory-Lincoln Education Center	1101 Taft	1983-84
5	S005	Hartsfield Elementary	5001 Perry	1983-84
6	S006	Franklin Elementary	7101 Canal	1984-85
7	S007	Looscan Elementary	3800 Robertson	1984-85
8	S008	Mark Twain Elementary	3801 Underwood	1984-85
9	S009	Reynolds Elementary	9601 Rosehaven	1984-85
10	S010	West University Elementary	3756 University Blvd.	1984-85
11	S011	Whidby Elementary	7625 Springhill	1984-85
12	S012	Boner Elementary	8100 Elrod	1985-86
13	S013	Emerson Elementary	9533 Skyline	1985-86
14	S014	Anson Jones Elementary	2311 Canal	1985-86
15	S015	Lamar Elementary	2209 Gentry	1985-86
16	S016	Peterson Elementary	14404 Waterloo	1985-86
17	S017	Terrell Alternative Middle School	4610 E. Crosstimbers	1985-86
18	S018	Ashford Elementary	1815 Shannon Valley	1986-87
19	S019	Concord Elementary	5426 Cavalcade	1986-87
20	S020	Lockhart Elementary	3501 Southmore	1986-87
21	S021	McNamara Elementary	8714 McAvoy Street	1986-87
22	S022	Peck Elementary	5116 Arvilla	1986-87
23	S023	Crawford Elementary	1510 Jensen Drive	1987-88
24	S024	Dogan Elementary	4202 Liberty Road	1987-88
25	S025	Hobby Elementary	4021 Woodmont Drive	1987-88
26	S026	Hohl Elementary	5320 Yale Street	1987-88
27	S027	Oak Forest Elementary	1401 West 43rd Street	1987-88
28	S028	Foerster Elementary	14200 Fonmeadow	1988-89
29	S029	Helms Elementary	503 West 21st Street	1988-89
30	S030	Houston Gardens Elementary	6820 Homestead Road	1988-89
31	S031	Montgomery Elementary	4000 Simsbrook	1988-89
32	S032	Roosevelt Elementary	6700 Fulton	1988-89
33	S033	Eliot Elementary	6411 Laredo	1989-90
34	S034	Garden Oaks Elementary	901 Sue Barnett	1989-90
35	S035	Janowski Elementary	7500 Bauman	1989-90
36	S036	Rhoads Elementary	4103 Brisbane	1989-90
37	S037	E. White Elementary	9001 Triola	1989-90
38	S038	Durkee Elementary	7301 Nordling	1990-91
39	S039	Sinclair Elementary	6410 Grovewood	1990-91
40	S040	Tijerina Elementary	6501 Sherman	1990-91
41	S041	Travis Elementary	3311 Beauchamp	1990-91
42	S042	Turner Elementary	3200 Rosedale	1990-91
43	S043	B.T. Washington High School	119 East 34th Street	1990-91
44	S044	Cage Elementary	4528 Leeland	1991-92
45	S045	Codwell Elementary	5225 Tavenor	1991-92
46	S046	Coop Elementary	10130 Aldine-Westfield	1991-92
47	S047	Kennedy Elementary	306 Crosstimbers	1991-92
48	S048	Lakewood Elementary	8800 Grandriver	1991-92
49	S049	Pilgrim Elementary	3315 Barrington	1991-92
50	S050	T.H. Rogers Elementary	5840 San Felipe	1991-92
51	S051	Bastian Elementary	7350 Calhoun	1992-93

52	S052	Crockett Elementary	2112 Crockett	1992-93
53	S053	Milne Elementary	7800 Portal	1992-93
54	S054	River Oaks Elementary	2008 Kirby	1992-93
55	S055	Will Rogers Elementary	3101 Weslayan	1992-93
56	S056	Rucker Elementary	5201 Vinett	1992-93
57	S057	Sherman Elementary	1909 McKee	1992-93
58	S058	Sherwood Elementary	1700 Sherwood Forest	1992-93
59	S059	Atherton Elementary	2011 Solo	1993-94
60	S060	Briscoe Elementary	321 Forest Hill	1993-94
61	S061	Cunningham Elementary	5100 Gulfton	1993-94
62	S062	Fairchild Elementary	8701 Delilah	1993-94
63	S063	Gregg Elementary	6701 Roxbury	1993-94
64	S064	Roberts Elementary	6000 Greenbriar	1993-94
65	S065	Tidwell Elementary	8000 Tidwell Road	1993-94
66	S066	Wilson Elementary	2100 Yupon	1993-94
67	S067	De Chaumes Elementary	155 Cooper	1994-95
68	S068	Douglass Elementary	3000 Trulley	1994-95
69	S069	Easter Elementary	4435 Weaver Road	1994-95
70	S070	Fondren Elementary	12405 Carlsbad	1994-95
71	S071	Golfcrest Elementary	7404 Fairway	1994-95
72	S072	Hollibrook Elementary	3602 Hollister	1994-95
73	S073	MacGregor Elementary	4801 LaBranch	1994-95
74	S074	Patterson Elementary	5302 Allendale	1994-95
75	S075	Piney Point Elementary	8921 Pagewood	1994-95
76	S076	Shadow Oaks Elementary	1335 Shadowdale	1994-95
77	S077	Betty Best Elementary	10000 Centre Parkway	1995-96
78	S078	Herrera Elementary	525 Bennington	1995-96
79	S079	J. Will Jones Elementary	1810 Stuart	1995-96
80	S080	Kashmere Gardens Elementary	4901 Lockwood	1995-96
81	S081	Lantrip Elementary	100 Telephone Road	1995-96
82	S082	Shadydale Elementary	5905 Tidwell Road	1995-96
83	S083	Spring Branch Elementary	1700 Campbell	1995-96
84	S084	Thompson Elementary	3500 Tampa	1995-96
85	S085	Woodview Elementary	9749 Cedardale	1995-96
86	S086	Almeda Elementary	14249 Bridgeport	1996-97
87	S087	Carnegie Elementary	10401 Scott	1996-97
88	S088	R.P. Harris Elementary	1263 Mae Drive	1996-97
89	S089	Highland Heights Elementary	865 Paul Quinn	1996-97
90	S090	Poe Elementary	5100 Hazard	1996-97
91	S091	Ridgecrest Elementary	2015 Ridgecrest	1996-97
92	S092	K. Smith Elementary	4802 Chrystell	1996-97
93	S093	Sugar Grove Elementary	8405 Bonhomme	1996-97
94	S094	Valley Oaks Elementary	8390 Westview	1996-97
95	S095	Anderson Elementary	5727 Luddington	1997-98
96	S096	Berry Elementary	2310 Berry Road	1997-98
97	S097	Briargrove Elementary	6145 San Felipe	1997-98
98	S098	Bruce Elementary	713 Bringhurst	1997-98
99	S099	Cedar Brook Elementary	2121 Ojeman	1997-98
100	S100	Edgewood Elementary	8655 Emnora	1997-98
101	S101	Fonwood Elementary	107719 Seneca	1997-98
102	S102	Gallegos Elementary	7415 Harrisburg	1997-98
103	S103	Garcia Elementary	9550 Aldine-Westfield	1997-98
104	S104	Grissom Elementary	4900 Simsbrook	1997-98
105	S105	Holden Elementary	812 West 28th	1997-98
106	S106	Pine Shadows Elementary	9900 Neuens	1997-98
107	S107	Ross Elementary	2819 Bay	1997-98

108	S108	Sharpstown Middle School	8330 Triola	1997-98
109	S109	Brock Elementary	1417 Houston Avenue	1998-99
110	S110	Chambers Elementary	10700 Carvel Lane	1998-99
111	S111	Davis High School	1101 Quitman	1998-99
112	S112	J.R. Harris Elementary	801 Broadway	1998-99
113	S113	Mading Elementary	8511 Crestmont	1998-99
114	S114	E.O. Smith Education Center	1701 Bringhurst	1998-99
115	S115	Treasure Forest Elementary	7635 Amelia	1998-99
116	S116	Valley West Elementary	10707 S. Gessner	1998-99
117	S117	Westbury High School	11911 Chimney Rock	1998-99
118	S118	Wharton Elementary	900 West Gray	1998-99
119	S119	Woodland Acres Elementary	12936 Sarahs Lane	1998-99
120	S120	Askew Elementary	11200 Wood Lodge	1999-2000
121	S121	Bendwood Elementary	12750 Kimberly Lane	1999-2000
122	S122	De Zavala Elementary	7521 Avenue H	1999-2000
123	S123	Field Elementary	703 East 17th Street	1999-2000
124	S124	Harvard Elementary	810 Harvard	1999-2000
125	S125	Lewis Elementary	7649 Rockhil	1999-2000
126	S126	McDade Elementary	5815 Hirsch Road	1999-2000
127	S127	Port Houston Elementary	1800 McCarty	1999-2000
128	S128	Wm. E. Rogers Elementary	10550 J.L. Reaux	1999-2000
129	S129	Ryan Elementary	4001 Hardy Street	1999-2000
130	S130	Scarborough Elementary	3021 Little York Road	1999-2000
131	S131	Stevenson Elementary	5410 Cornish Street	1999-2000
132	S132	Stovall Middle School	11201 Airline Drive	1999-2000
133	S133	Alcott Elementary	5859 Bellfort	2000-01
134	S134	Benavidez Elementary	6262 Gulfton	2000-01
135	S135	Browning Elementary	607 Northwood Street	2000-01
136	S136	Collins Elementary	9829 Town Park Drive	2000-01
137	S137	Memorial Elementary	6401 Arnot Street	2000-01
138	S138	Osborne Elementary	800 Ringold	2000-01
139	S139	Sutton Elementary	7402 Albacore	2000-01
140	S140	Terrace Elementary	10400 Rothbury	2000-01
141	S141	Whittier Elementary	10511 Lacrosse	2000-01
142	S142	Davila Elementary	7610 Dahlia	2001-02
143	S143	Harris Academy	3130 Holder Forest Road	2001-02
144	S144	Housman Elementary	6705 Housman	2001-02
145	S145	Northline Elementary	821 East Wicher Lane	2001-02
146	S146	J.W. Oates Elementary	10044 Wallisville Road	2001-02
147	S147	Reagan High School	413 East 13th Street	2001-02
148	S148	Sharpstown High School	7504 Bissonnet	2001-02

Golf Courses in Harris County

ID	CITY	COURSE	HOLES	ADDRESS	PUB/PRIV
H031	Houston	Brock Park Municipal	18	8201 John Ralston Road	Public
H098	Houston	Glenbrook Golf Course	18	8205 North Bayou	Public
H114	Houston	Gus Wortham Golf Course	18	311 S. Wayside Drive	Public
H126	Houston	Hermann Park Golf Course	18	6001 Fannin	Public
H182	Houston	Melrose Park	18	12200 Melrose Park Rd.	Public
H183	Houston	Memorial Park Golf Course	18	6501 Memorial Drive	Public
H237	Houston	Sharpstown Golf Course	18	8200 Bellaire	Public
M056	Deer Park	The Battleground at Deer Park	18	1600 Georgia	Public
M248	Pasadena	Pasadena Municipal Golf Course	18	1000 Duffer Lane	Public
O028	Houston	Bear Creek Golf World	54	16001 Clay Road	Public
O029	Houston	Classic 3Golf Course	9	6224 Theall	Public
O030	Houston	Clear Creek Golf Course	18	3902 Fellows Road	Public
O031	Houston	Hackberry Golf Club	18	7777 Dairy Ashford	Public
O032	Houston	Heron Lakes Golf Course	18	7910 N. Sam Houston Pkwy.	Public
O033	Houston	Houston Hills Golf Course	18	9720 Ruffino Road	Public
O034	Houston	Houston National Golf Club	18	16500 Houston National Blvd.	Public
O035	Houston	Jersey Meadow Golf Course	18	8602 Jones Road	Public
O036	Houston	Pine Crest Golf Club	18	3080 Gessner	Public
O037	Houston	Sugar Hill Golf Course	18	12000 Bissonnet	Public
O038	Houston	Texas Par Golf Academy	9	4035 South Highway 6	Public
O039	Houston	Wildcat Golf Club	18	12000 Almeda	Public
O040	Houston	World Houston Golf Course	18	4000 Greens Road	Public
O041	Atascocita	Atascocita Country Club	27	20114 Pinehurst	Semi-Private
O042	Baytown	Goose Creek Country Club	18	5000 Country Club View	Private
O043	Houston	Bay Oaks Country Club	18	14545 Bay Oaks	Private
O044	Houston	Braeburn Country Club	18	8101 Bissonnet	Private
O045	Houston	Champions Golf Club	36	13722 Champions Drive	Private
O046	Houston	Hearthstone Country Club	27	7615 Ameswood	Private
O047	Houston	Houston Country Club	18	1 Potomac Drive	Private
O048	Houston	Inwood Forest Golf Club	27	7600 Antoine	Private
O049	Houston	Lakewide Country Club	18	100 Wilcrest Drive	Private
O050	Houston	Lochinvar Golf Club	18	2000 Farrell Road	Private
O051	Houston	Northgate Country Club	27	17110 Northgate Forest	Private
O052	Houston	Pine Forest Country Club	27	18003 Clay Road	Private
O053	Houston	Raveneaux Country Club	36	9415 Cypresswood Drive	Private
O054	Houston	River Oaks Country Club	18	1600 River Oaks Boulevard	Private
O055	Houston	Royal Oaks Country Club	18	11000 Richmond Avenue	Private
O056	Houston	Texaco Country Club	18	12800 Texaco Road	Private
O057	Houston	Westwood Country Club	18	888 Country Creek Road	Private
O058	Humble	Walden on Lake Houston	18	18100 Walden Forest Drive	Private
O059	Kingwood	Deerwood Golf Club	18	1717 Forest Garden Drive	Private
O060	Kingwood	Kinwood Country Club	54	805 Hamblen	Private
O061	Pasadena	Baywood Country Club	18	5500 Genoa-Red Bluff Road	Private
O062	Pearland	Golfcrest Country Club	18	2509 Country Club Drive	Private
O063	Spring	Willow Creek Golf Club	18	24525 Northcrest	Private
O064	Tomball	Tomball Country Club	9	22303 Walden Way	Private
O065	Baytown	Evergreen Point Golf Course	18	1530 Evergreen Road	Public
O066	Channelview	River Terrace Golf Course	18	8306 Sheldon Road	Public
O067	Clear Lake	Clear Lake Golf Club	18	1202 Reseda Drive	Public
O068	Crosby	Indian Shores Golf Course	9	2141 White Feather Trail	Public
O069	Crosby	Newport Golf & Country Club	18	16401 Country Club Drive	Public

O070	Cypress	BlackHorse Golf Club	36	12205 Fry Road	Public
O071	Cypress	Cypress Lakes	18	18700 Cypresswood Drive	Public
O072	Cypress	Longwood Golf Club	18	13300 Longwood Trace	Public
O074	Hockley	Houston Oaks	36	22602 Hegar Road	Public
O075	Huffman	Red Wolf Run Golf Course	18	27350 Afton Way	Public
O076	Humble	Tour 18	18	3102 FM 1960 East	Public
O077	Katy	Green Meadow Golf Club	27	6138 Franz Road	Public
O078	Kingwood	Kingwood Cove Golf Club	18	805 Hamblen Road	Public
O079	La Porte	Bay Forest Golf Course	18	201 Bay Forest Drive	Public
O080	Pasadena	San Jacinto College Golf Course	9	8060 Spencer Highway	Public
O081	Spring	Augusta Pines Golf Club	18	18 Augusta Pines Drive	Public
O082	Spring	Cypresswood Golf Club	54	21602 Cypresswood Drive	Public
O083	Spring	Gleannloch Farms	27	19393 Champions Forest Drive	Public
O084	Spring	Spring Valley Golf Club	9	25110 Gosling Road	Public
O085	Spring	WindRose Golf Club	18	6235 Pine Lakes Drive	Public
O086	Tomball	Treeline Golf Club	18	17505 North Eldridge Parkway	Public
O087	Humble	Redstone Golf Club	18	5860 Wilson Road	Public

TEXAS PARKS & WILDLIFE

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EXECUTIVE DIRECTOR

June 4, 2003

STORGY
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VAUGHN
KOY
SWAN
DEBESSONET
06-06-03

Mr. John E. deBessonet, Planner
Harris County Public Infrastructure Dept.
1001 Preston Avenue, Seventh Floor
Houston, TX 77002

Re: Master Plan Review – Harris County Update

Dear Mr. deBessonet:

Our review of your parks, recreation and open space master plan update has been completed. Upon review, it appears that all of the standard requirements identified in the Texas Recreation and Parks Account Program Procedural Guide have been met.

You will now qualify for priority points under criteria two of the "TRPA Project Priority Scoring System", beginning with the **July 31, 2003** review.

Please contact me if you have any questions at 512/912-7119.

Sincerely,

Joel S. Seffel, CPRP
Program Administrator
Recreation Grants Branch

JSS:jsc

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HARRIS COUNTY
PUBLIC INFRASTRUCTURE DEPARTMENT

1001 Preston, 7th Floor
Houston, Texas 77002
(713) 755-4400

May 14, 2003

Commissioners Court
Administration Building
Houston, Texas 77002

SUBJECT: Recommendation that the Parks Master Plan, Phase II, entitled *Harris County Master Plan for Parks, Recreation, and Open Space*, be approved for use in seeking financial assistance from the State of Texas for further development of the Harris County System of Parks.

Dear Court Members:

It is recommended that the Parks Master Plan, Phase II, entitled *Harris County Master Plan for Parks, Recreation, and Open Space*, be approved for use in seeking financial assistance from the State of Texas for further development of the Harris County System of Parks. Commissioners Court authorized Bricker + Cannady Architects on September 11, 2001, to accomplish this task.

Sincerely,

Arthur L. Storey, Jr., P.E.
Executive Director

ALS/PK/js
Enclosure
cc: Dick Raycraft
Jackie Freeman
Mike Talbott
John deBessonet
Karen Cullar