



THE PEARLAND YOU KNOW A FUTURE YOU'LL LOVE

**2020-24 CITY OF PEARLAND
CAPITAL IMPROVEMENT PROGRAM**



CITY OF PEARLAND
2020 – 2024
CAPITAL IMPROVEMENT PROGRAM (CIP)
TABLE OF CONTENTS

PAGE

INTRODUCTION	i-v
SUMMARIES	
Total Summary.....	1
FY 2020 CIP by Funding Source	2-10
DRAINAGE PROJECTS	
Five-Year Summary.....	11
Map.....	12
Project Detail.....	13-19

CITY OF PEARLAND
2020 - 2024
CAPITAL IMPROVEMENT PROGRAM (CIP)
TABLE OF CONTENTS

	<u>PAGE</u>
PARKS PROJECTS	
Five-Year Summary.....	20
Map.....	21
Project Detail.....	22-27
FACILITIES PROJECTS	
Five-Year Summary.....	28
Map.....	29
Project Detail	30-44
STREETS PROJECTS	
Five-Year Summary.....	45
Map.....	46
Project Detail.....	47-66

CITY OF PEARLAND
2020 - 2024
CAPITAL IMPROVEMENT PROGRAM (CIP)
TABLE OF CONTENTS

	<u>PAGE</u>
WATER PROJECTS	
Five-Year Summary.....	67
Map.....	68
Project Detail.....	69-93
WASTEWATER PROJECTS	
Five-Year Summary.....	94
Map.....	95
Project Detail.....	96-115
APPENDIX	
Glossary of Terms.....	116-117

INTRODUCTION

The City of Pearland's Capital Improvement Program (CIP) has been developed in order to further our commitment to the citizens of Pearland by working to meet today's needs, as well as those of the future ensuring a sustainable infrastructure. From work on underground water and sewer lines to more visible projects such as street paving, street extensions, and new community facilities, the five-year CIP addresses the needs of the City through responsible City Government with a comprehensive and fiscally responsible approach.

What is a Capital Improvement? A capital improvement is a major, non-routine expenditure for new construction, improvements to existing buildings, facilities, land, streets, storm sewers, and expansion of the City's park system, to name a few. A capital improvement project has a relatively high monetary value (\$100,000+), long-life expectancy, and results in the creation of an asset or extends the life of existing assets. The cost of the capital improvement includes design, legal fees, land, operating equipment, furniture, construction, etc. that is necessary to put the asset into service. A capital improvement project is not the purchase of a piece of equipment such as a fire truck, vehicle, etc.

What are the benefits of a Capital Improvement Program? A long-term capital improvement program has many obvious benefits derived from its organized approach to planning projects. The program can focus attention on community and City strategic priorities and needs, allowing projects to be prioritized based on need. The CIP can be an effective tool for achieving goals set forth in the City's Comprehensive Plan, as well as the City's various master plans. Through proper planning, the need for bond referendums, bond issues or other revenue production measures can be foreseen and action can be taken to fund the projects as identified.

CIP DEVELOPMENT PROCESS

The development of a capital improvement program is a continual process and, consequently, should be viewed as a working document. Therefore, while the document covers a five-year planning perspective, it is revised every year in order to accommodate new projects, reflect changes in ongoing projects, and extend the program an additional year.

The first year of the plan is incorporated into the annual budget to appropriate funds. Improvements identified in subsequent years are approved only on a planning basis and do not receive expenditure appropriation. Cost estimates for years two through five are also for planning purposes only, to be used in conjunction with the City's long-range financial plan for operations.

As City projects related to Drainage, Streets, Parks and Facilities in the previous 2007 bond program are completed, projects in future years are added in order to identify and quantify future needs. These projects have been added to the five-year CIP as New/Proposed GO Bonds. These identified projects will then become a basis for the preparation of a future referendum. Several projects that were identified through this process were further developed and presented in the 2019 bond program.

Projects included in the five-year CIP are either City managed projects or include just the City's share of projects that will be managed by other agencies. If an outside agency contributes funding directly to the City for a project that the City will manage, then that cost and funding are included in the project budgets. The Five-Year Capital Improvement Program includes all capital projects, which are to be financed in whole or in part from funds subject to control or appropriation by the City. Therefore, the CIP includes bond appropriations (general obligation, certificates of obligation and revenue bonds), General Revenue – Cash,

Economic Development Corporation Sales Tax, System Revenues – Cash, Impact Fees, Developer Contributions, and any Federal, State or private foundation grant funds received by the City for capital improvement projects.

The City considers input from the citizens, the Planning and Zoning Commission, City staff members, and master plans in the preparation of the Capital Improvement Program. A project list is compiled, prioritized by year, and cost estimates assigned. The Finance Department also looks at the overall effect of projects, including the need to issue debt, potential impact on the tax rate, and operations and maintenance impact on the City. The City Council, through workshops, reviews the draft with any recommended changes incorporated into the final document. A final draft of the Five-Year CIP is then prepared for Council consideration and approval. Upon Council adoption, the five-year CIP document is reproduced and distributed for implementation of the program.

2020 - 2024 CAPITAL IMPROVEMENT PROGRAM

The Five-Year Capital Improvement Program for 2020 to 2024 totals \$652,874,941. How is the Capital Improvement Program funded? Funding for CIP projects are derived from various sources, including General Obligation Bonds, Certificates of Obligation, Water & Sewer Revenue Bonds, Impact Fees, General Revenues, System Revenues, P.E.D.C., Developer Contributions, County/MUD Contributions, Federal and State Highway Funds, and Grant Funds. Uses of the funding include Drainage, Streets, Facilities, Parks, Water, and Wastewater projects.

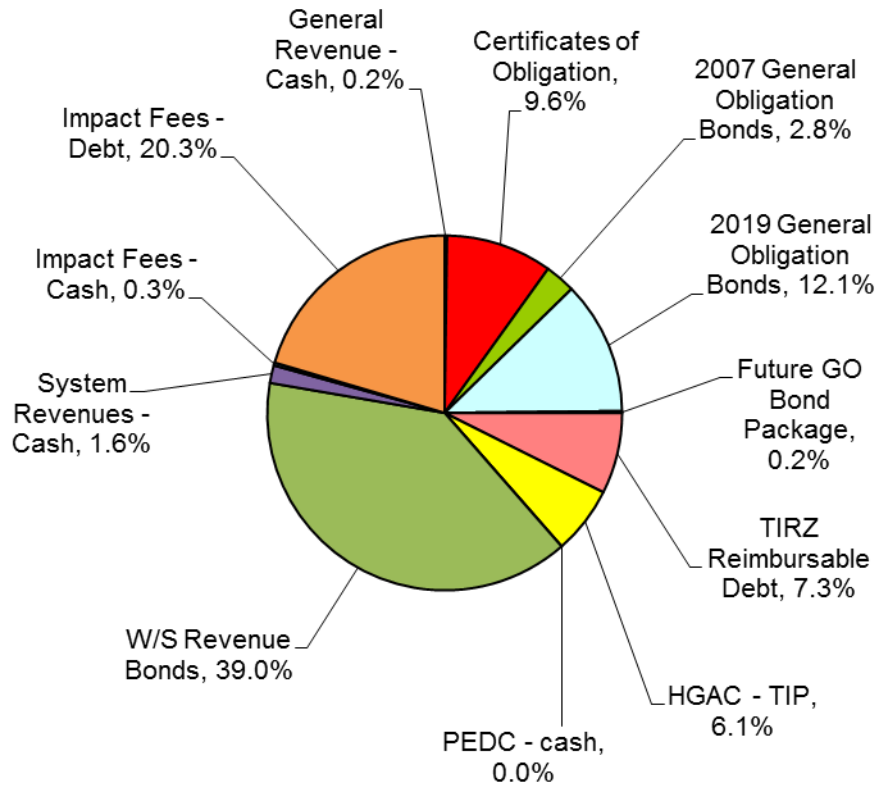
The 2020 - 2024 Capital Improvement Program completes the balance of funds from the 2007 bond referendum. In May 2019, Pearland citizens approved general obligation bonds in the amount of \$80 million that has been included in this document as 2019 general obligation bonds. The use of these funds are designated

for streets, drainage, parks, and facility projects.

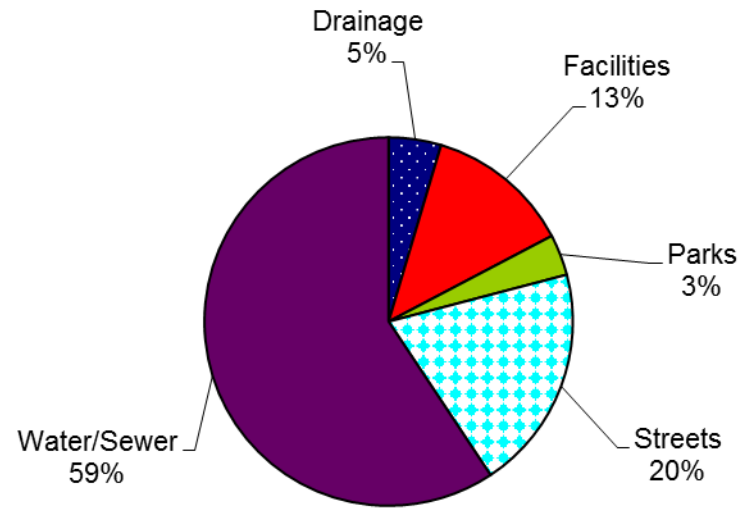
Even though Pearland citizens passed a new bond referendum, the City has identified additional projects the 2007 and 2019 bonds will not cover. The list of identified projects do not include potential projects identified during the development and completion of master plans including but not limited to the parks master plan, the drainage master plan, the facilities assessment study, pavement management plan or potential transportation improvement plan opportunities.

The graph on the following page provides a breakdown of the funding sources and uses.

**2020 - 2024 CIP
by
Funding Source - \$652.9 Million**



**2020 - 2024 CIP
by
Project Type - \$652.9 Million**



PROJECT HIGHLIGHTS

DRAINAGE

Drainage projects include the construction of storm sewers, detention ponds, and underground drainage, as well as associated culvert and ditch improvements. These construction projects and improvements will help reduce the risk of repetitive flooding in residential areas and provide storage capacity. Major drainage improvements include Piper Road Drainage, reviewing the existing storm sewer and dredging of the linear detention pond. Mimosa Acres Drainage Improvements, removal/replacement of driveway culverts, storm sewer system, and regrading of the ditch. Willowcrest Subdivision Drainage Improvements, removal/replacement of curb inlets and storm sewer system. West Lea Subdivision Drainage Improvements, removal/replacement of driveway culverts and regrading of bar ditch and D. L. Smith Area Drainage Improvements, drainage improvements and additional detention capacity.

PARKS

Parks projects include the construction of the Park Equipment Recapitalization Program, minimize deferred maintenance and provide high-quality recreation assets. Clear Creek Trail construction of approximately 12,400 feet long, 10 foot wide concrete hike and bike trail, Shadow Creek Ranch Park Phase II will include the addition of two cricket fields, a multipurpose 'Miracle Field' area, additional field lighting, approximately 250 parking spaces, and expanded restrooms and concession offerings, and Recreation Center and Natatorium Generator and Improvements. In addition, Shadow Creek Trail Phase II

construction of approximately 1,600 feet of 10 foot wide hike and bike trail along Clear Creek Relief Channel.

FACILITIES

Facility projects include the design of a new operations and maintenance building at Orange Street Service Center (Phase II). The Fiber Backbone project will extend and build out the fiber network to reach all city facilities. Design of a new 21,000 square foot Animal Services Shelter, construction of a new roof at City Hall Annex, and design of Shadow Creek Library, a permanent county library facility on the west side approximately 39,000 square feet. Also included are the Facilities Assessment and Maintenance Plan, design of a Fire Training Burn Building Phase I, and PSB Back-up Power Redundancy for Critical Facility.

STREETS

Street projects include pavement rehabilitation, which replaces sections of existing failed pavement, road extensions, widening and reconstruction of some of the major streets in the City to improve mobility, congestion, and ride-ability. Major street projects include Mykawa Road Widening - BW8 to FM 518, Hughes Ranch Road (CR 403) from Cullen to Smith Ranch Road, McHard Rd Extension - Mykawa Rd to Cullen Pkwy, Smith Ranch Road Extension (CR 94) from Hughes Ranch Road to Broadway, Safe Routes to School, SH288 Northbound Frontage Road - CR 59 to FM 518 (Broadway), Multi-Modal Master Plan, Broadway at Dixie Farm Intersection Improvements, Street Reconstruction, Pearland Parkway Traffic Improvements, Pearland Parkway Traffic Circle Modifications, Bailey Road Expansion - Veterans Dr. to Main,

and Shadow Creek Parkway Landscaping, Street Lighting & Sidewalks.

WATER/WASTEWATER

Water and Wastewater projects include the replacement and/or the construction of water and sewer lines, water wells, and treatment and water capacity. Major projects for water improvements include the construction of 10 MGD Surface Water Plant Phase, Underground Piping Infrastructure at water facilities, Transite Waterline Replacement, construction of FM 1128 16" Water Line from Bailey to CR 100, CR 100 16" Water Line from Veterans Drive to FM 1128, Veterans Drive 16" Water Line from Bailey Road to CR 128, design of Bailey Water Plant Improvements, Southdown Plant Ground Storage Tank Replacement, replacement of Orange Circle Water Line, Sleepy Hollow/Washington Irving/Rip Van Winkle Drive Water Line Replacement, and a Water Quality Program. Wastewater projects include the construction of McHard Road Trunk Sewer from Garden to Southdown WWTP, lift station rehabilitation, sanitary sewer rehabilitation, Shadow Creek Ranch Park Re-Use Waterline from Reflection Bay Dr. to Kingsley Dr., Willowcrest Subdivision Sanitary Sewer, Longwood Water Reclamation Facility Decommissioning, Hughes Ranch Gravity Trunk Sewer, Miller ranch Regional Lift Station Odor Control & Rehabilitation, royal Oaks Lift Station Generator, Sleepy Hollow Sanitary Sewer Rehabilitation, and Cullen Regional Lift Station Odor Control & Rehabilitation.

**CITY OF PEARLAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
TOTAL SUMMARY**

USE	2020	2021	2022	2023	2024	TOTAL
DRAINAGE	20,901,000	1,385,000	3,515,000	499,000	3,740,000	30,040,000
PARKS	10,320,000	1,825,000	9,600,000	500,000	1,236,000	23,481,000
FACILITIES	17,284,750	52,945,750	1,092,750	3,118,750	8,485,000	82,927,000
STREETS	68,959,737	21,241,964	30,568,740	2,660,000	5,650,000	129,080,441
<i>Enterprise Funds – Public Utilities</i>						
WATER	139,365,000	10,635,000	13,081,000	14,665,000	10,425,000	188,171,000
WASTEWATER	90,250,000	60,992,500	17,883,000	15,170,000	14,880,000	199,175,500

SOURCE SUMMARY

NON-DEBT FUNDED	2020	2021	2022	2023	2024	TOTAL
General Revenue - Cash		591,750	246,375	196,875	387,500	1,422,500
PEDC - Cash						
System Revenues - Cash	3,259,875	2,535,000	2,046,375	1,296,875	1,487,500	10,625,625
Impact Fees - Cash		745,000	978,000			1,723,000
Other Funding Sources	2,644,875		320,000			2,964,875
Non-Debt Total	\$ 5,904,750	\$ 3,871,750	\$ 3,590,750	\$ 1,493,750	\$ 1,875,000	\$ 16,736,000

LEVERAGED OUTSIDE FUNDS	2020	2021	2022	2023	2024	TOTAL
TIRZ Reimbursable	11,440,237	29,881,384	7,163,740			48,485,361
HGAC - TIP	34,058,428		6,526,400			40,584,828
Leveraged Outside Funds Total	\$ 45,498,665	\$ 29,881,384	\$ 13,690,140	\$ -	\$ -	\$ 89,070,189

TAX SUPPORTED DEBT (DEBT SERVICE FUND)	2020	2021	2022	2023	2024	TOTAL
Certificates of Obligation	9,626,400	23,577,928	17,231,627	4,455,000	8,910,000	63,800,955
2007 General Obligation Bonds	11,072,744	4,934,295	2,327,258			18,334,297
2019 General Obligation Bonds	27,505,000	17,680,000	11,500,000	7,429,000	15,875,000	79,989,000
Future GO Bond Package					1,236,000	1,236,000
Less GO's Previously Appropriated						(6,750,000)
Tax Supported Debt Total	48,204,144	46,192,223	31,058,885	11,884,000	26,021,000	156,610,252

WATER/SEWER SUPPORTED DEBT (ENTERPRISE FUND)	2020	2021	2022	2023	2024	TOTAL
W/S Revenue Bonds	154,127,000	127,875,500	57,311,000	28,735,000	24,205,000	392,253,500
Less Projects Appropriated in Previous Year						(1,795,000)
Water/Sewer Debt Total	\$ 154,127,000	\$ 127,875,500	\$ 57,311,000	\$ 28,735,000	\$ 24,205,000	\$ 390,458,500

Note: The totals above reflect when the debt is issued so it does not tie by year to when the funds are allocated, as the City sometimes appropriates funds for projects in one year and then sells the bonds in the next year.

**CITY OF PEARLAND
2020 PROJECTS BY FUNDING SOURCE
CERTIFICATES OF OBLIGATION**

Project No.	Project Name	Amount
FACILITIES		
FA1902	Orange Street Service Center Phase 2	968,000
FA2005	City Hall Annex Roof	945,000
FA2006	PSB Back-Up Power Redundancy for Critical Facility	875,000
	Sub-Total	2,788,000
STREETS		
TR1602	Safe Routes to School	788,400
TR1701	SH288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)	5,600,000
TR2105	Traffic Signal Upgrades Program	450,000
	Sub-Total	6,838,400
CERTIFICATES OF OBLIGATION TOTAL		9,626,400

**CITY OF PEARLAND
2020 PROJECTS BY FUNDING SOURCE
2007 GENERAL OBLIGATION BONDS**

Project No.	Project Name	Amount
PARKS		
STREETS		
TR0601	Mykawa Road Widening - BW8 to FM 518	881,600
TR1405	McHard Rd Extension - Mykawa Rd to Cullen Pkwy	7,850,263
TR1501	Smith Ranch Road Expansion (CR 94) - Hughes Ranch to Broadway	2,340,881
	Sub-Total	11,072,744
GENERAL OBLIGATION BONDS TOTAL		11,072,744

**CITY OF PEARLAND
2020 PROJECTS BY FUNDING SOURCE
2019 GENERAL OBLIGATION BONDS**

Project No.	Project Name	Amount
DRAINAGE		
DR1901	Piper Road Drainage	1,151,000
DR1902	Mimosa Acres Drainage Improvements	1,690,000
DR1903	Willowcrest Subdivision Drainage Improvements	2,086,000
DR1904	West Lea Subdivision Drainage Improvements	5,492,000
	Sub-Total	10,419,000
PARKS		
PK1902	Park Equipment Recapitalization Program	1,000,000
	Sub-Total	1,000,000
FACILITIES		
FA1803	Animal Services Shelter	7,125,000
FA2003	Fire Training Burn Building Phase 1	130,000
	Sub-Total	7,255,000
STREETS		
TR1901	Street Reconstruction	3,075,000
TR1902	Pearland Parkway Traffic Improvements	1,124,000
TR1903	Pearland Parkway Traffic Circle Modifications	3,272,000
TR1904	Bailey Road Expansion - Veterans Dr to Main	1,360,000
	Sub-Total	8,831,000
2019 GENERAL OBLIGATION BONDS TOTAL		27,505,000

**CITY OF PEARLAND
2020 PROJECTS BY FUNDING SOURCE
TIRZ REIMBURSABLE DEBT**

Project No.	Project Name	Amount
PARKS		
PK2001	Shadow Creek Ranch Park Phase II	9,070,000
PK2003	Shadow Creek Trail Phase II - Along Clear Creek Relief Ditch & Library Trail	250,000
	Sub-Total	9,320,000
FACILITIES		
FA1805	Shadow Creek Library	1,000,000
	Sub-Total	1,000,000
STREETS		
TR1905	Shadow Creek Parkway Landscaping, Street Lighting & Sidewalks	915,000
TR2003	Shadow Creek Ranch Sidewalk Extensions	205,237
	Sub-Total	1,120,237
TIRZ REIMBURSABLE DEBT TOTAL		11,440,237

**CITY OF PEARLAND
2020 PROJECTS BY FUNDING SOURCE
HGAC TIP**

Project No.	Project Name	Amount
STREETS		
TR0601	Mykawa Road Widening - BW8 to FM 518	2,022,400
TR1405	McHard Rd Extension - Mykawa Rd to Cullen Pkwy	26,598,309
TR1501	Smith Ranch Rd Extension (CR 94) - Hughes Ranch Rd to Broadway	2,884,119
TR1602	Safe Routes to School Improvements	2,553,600
	Sub-Total	34,058,428
HGAC TIP TOTAL		34,058,428

**CITY OF PEARLAND
2020 PROJECTS BY FUNDING SOURCE
W/S REVENUE BONDS**

Project No.	Project Name	Amount
FACILITIES		
FA1902	Orange Street Service Center Phase 2	777,000
	Sub-Total	777,000
WATER		
WA1605	Surface Water Plant Phase 1 (10 MGD)	53,800,000
WA1904	Southdown Plant Ground Storage Tank Replacement	2,350,000
WA1901	Bailey Water Plant Improvements	
	Sub-Total	56,150,000
WASTEWATER		
WW1502	Barry Rose WRF Expansion	14,450,000
WW1905	Willowcrest Subdivision Sanitary Sewer	1,300,000
WW1906	Longwood Water Reclamation Facility Decommissioning	9,000,000
WW1907	Hughes Ranch Gravity Trunk Sewer	1,755,000
WW2001	Miller Ranch Regional Lift Station Odor Control & Rehabilitation	945,000
WW2003	Sanitary Sewer Rehabilitation	1,500,000
	Sub-Total	28,950,000
W/S REVENUE BONDS TOTAL		85,877,000

**CITY OF PEARLAND
2020 PROJECTS BY FUNDING SOURCE
SYSTEM REVENUE - CASH**

Project No.	Project Name	Amount
FACILITIES		
FA2004	Fiber Backbone	394,875
	Sub-Total	394,875
WATER		
WA2001	Underground Piping Infrastructure at Water Production Facilities	250,000
WA2002	Transite Pipe Waterline Replacement Program	1,000,000
WA2003	Water Quality Program	580,000
WA2004	Sleepy Hollow Dr / Washington Irving / Rip Van Winkle Dr Water Line Replacement	60,000
	Sub-Total	1,890,000
WASTEWATER		
WW2002	Royal Oaks Lift Station	560,000
WW2004	Shadow Creek Regional Lift Station Generator	375,000
WW2005	Sleepy Hollow Sanitary Sewer Rehabilitation	40,000
	Sub-Total	975,000
SYSTEM REVENUE - CASH TOTAL		3,259,875

CITY OF PEARLAND
 2020 PROJECTS BY FUNDING SOURCE
 IMPACT FEES - DEBT

Project No.	Project Name	Amount
WATER		
WA1605	Surface Water Plant Phase 1 (10 MGD)	53,800,000
	Sub-Total	53,800,000
WASTEWATER		
WW1502	Barry Rose WRF Expansion	14,450,000
	Sub-Total	14,450,000
IMPACT FEES - DEBT TOTAL		68,250,000

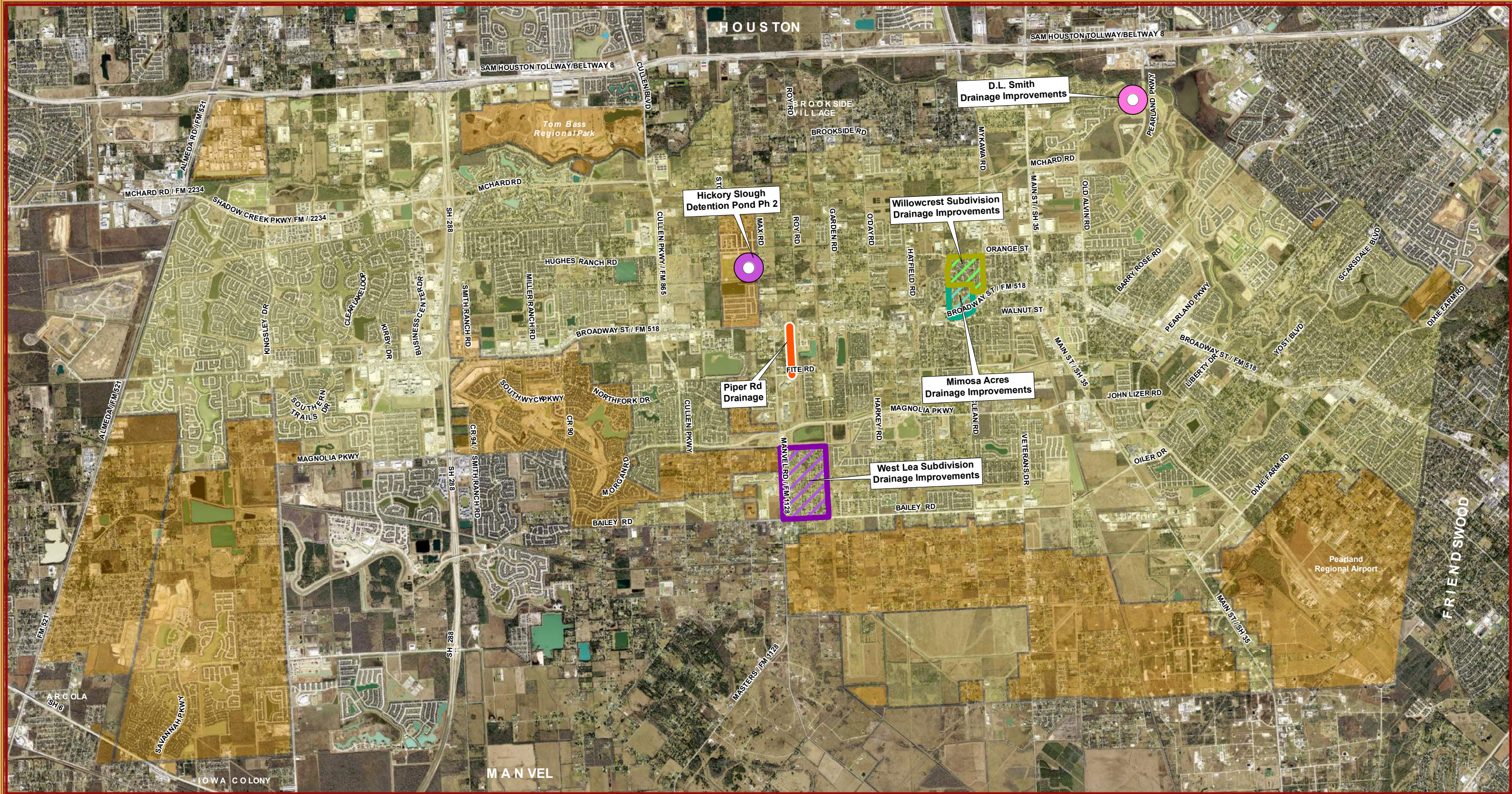
**CITY OF PEARLAND
2020 PROJECTS BY FUNDING SOURCE
OTHER FUNDING SOURCES**

Project No.	Project Name	Amount
FACILITIES		
FA1702	Facilities Assessment and Maintenance Plan	300,000
FA2004	Fiber Backbone	394,875
	Sub-Total	694,875
STREETS		
TR1201	Hughes Ranch Road (CR 403) - Cullen to Smith Ranch	
TR1701	SH 288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)	1,500,000
TR2104	Major Thoroughfare Update	150,000
	Sub-Total	1,650,000
WASTEWATER		
WW1406	McHard Rd Trunk Sewer (Garden to Southdown WRF)	300,000
	Sub-Total	300,000
OTHER FUNDING SOURCES TOTAL		2,644,875
GRAND TOTAL ALL FUNDING SOURCES		253,734,559

**CITY OF PEARLAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
DRAINAGE**

Project No.	Project Name	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
DR1901	Piper Road Drainage	220,000	931,000					1,151,000	931,000
DR1902	Mimosa Acres Drainage Improvements	220,000	1,470,000					1,690,000	1,470,000
DR1903	Willowcrest Subdivision Drainage Improvements	2,086,000	13,840,000					15,926,000	13,840,000
DR1904	West Lea Subdivision Drainage Improvements	832,000	4,660,000					5,492,000	4,660,000
DR2002	D.L. Smith Area Drainage Improvements	1,738,036		485,000	2,615,000			4,838,036	3,100,000
DR2101	Hickory Slough Detention Pond Ph 2					499,000	3,740,000	4,239,000	4,239,000
DR2102	Storm Water Pump Station Generators			900,000	900,000			1,800,000	1,800,000
	TOTAL	5,096,036	20,901,000	1,385,000	3,515,000	499,000	3,740,000	35,136,036	30,040,000

SOURCE OF FUNDS	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
<i>Tax Supported Debt (Debt Service Fund)</i>								
Certificates of Obligation	88,036		900,000	1,187,742			2,175,778	2,087,742
2007 General Obligation Bonds	1,650,000		485,000	2,327,258			4,462,258	2,812,258
2019 General Obligation Bonds		10,419,000	7,840,000	6,000,000	499,000	3,740,000	28,498,000	28,498,000
<i>Water/Sewer Supported Debt (Enterprise Fund)</i>								
W/S Revenue Bonds								
Impact Fees - Debt								
Less Projects Appropriated in Previous Year								<i>(3,358,000)</i>
TOTAL	1,738,036	10,419,000	9,225,000	9,515,000	499,000	3,740,000	35,136,036	30,040,000









CITY OF PEARLAND



2020 - 2024

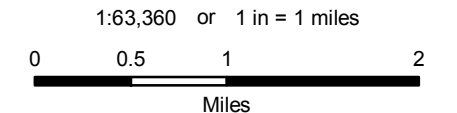
Capital Improvement Projects

Drainage

-  D.L. Smith Drainage Improvements
-  Hickory Slough Detention Pond Ph 2
-  Piper Road Drainage


-  West Lea Subdivision Drainage Improvements
-  Mimosa Acres Drainage Improvements
-  Willowcrest Subdivision Drainage Improvements

-  City Limits
-  ETJ
- Projects Not Shown**
*Storm Water Pump Station Generators



This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

MAP PREPARED: JULY 2019
CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Piper Road Drainage					DR1901		3		
PROJECT DESCRIPTION					PROJECT IMAGE				
Drainage improvements along Piper Road from FM 518 to Fite Road. This project will review the existing open ditch drainage system on Piper Road. The project will be to re-grade the ditches and reset culverts to move the high point of the road further north. The project will also include an asphalt overlay of the road to repair damage due to the drainage improvements. This will allow for more of the drainage area to flow south to the linear detention pond just east of the elementary school at Fite Road and FM 1128. This was an area identified in the Harvey Drainage Assessment Report as a local drainage improvement project.									
PROJECT JUSTIFICATION									
The goal for this project is to relieve periodic flooding and high water issues along Piper Road by reviewing the drainage flows and regrading the drainage ditches to flow south and directly to Mary's Creek.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$3,165	\$3,165	\$3,165	\$3,165				
Capital Outlay									
Total Expense		\$3,165	\$3,165	\$3,165	\$3,165				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$100,000		\$100,000						\$100,000
Design/Surveying	\$120,000		\$120,000						\$120,000
Construction	\$800,000			\$800,000					\$800,000
Equipment and Furniture									
Contingency	\$131,000			\$131,000					\$131,000
TOTAL COSTS	\$1,151,000	\$0	\$220,000	\$931,000	\$0	\$0	\$0	\$0	\$1,151,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$1,151,000			\$1,151,000					\$1,151,000
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,151,000	\$0	\$0	\$1,151,000	\$0	\$0	\$0	\$0	\$1,151,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Mimosa Acres Drainage Improvements					DR1902		2		
PROJECT DESCRIPTION					PROJECT IMAGE				
The project area, located in Mimosa Acres Subdivision, is bounded by Cherry Street, Francis Drive, W. Pear Street and Woody Drive. Drainage improvements for the subdivision will require removal/ replacement of driveways, driveway culverts, storm sewer system, and re-grading of the ditches to return grades to the original design capacities. The project will also include an asphalt overlay of the road to repair damage due to the drainage improvements. This was an area identified in the Harvey Drainage Assessment Report as a local drainage improvement project.									
PROJECT JUSTIFICATION									
Several homes in this neighborhood have a history of repetitive loss in spite of its location outside of the FEMA mapped flood hazard zone. Majority of the flooding problems can be associated with undersized culverts, storm sewer, as well as lack of maintenance, of the drainage system.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$30,000		\$30,000						\$30,000
Design/Surveying	\$190,000		\$190,000						\$190,000
Construction	\$1,220,000			\$1,220,000					\$1,220,000
Equipment and Furniture									
Contingency	\$250,000			\$250,000					\$250,000
TOTAL COSTS	\$1,690,000	\$0	\$220,000	\$1,470,000	\$0	\$0	\$0	\$0	\$1,690,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$1,690,000			\$1,690,000					\$1,690,000
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,690,000	\$0	\$0	\$1,690,000	\$0	\$0	\$0	\$0	\$1,690,000
¹ Explain & Identify Type of Other Sources: CDBG funding possibility									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Willowcrest Subdivision Drainage Improvements					DR1903		4		
PROJECT DESCRIPTION					PROJECT IMAGE				
The project area, located in Willowcrest Subdivision, is bounded by Cherry St, Woody Rd, W Plum St and Mykawa Road. Drainage improvement and street reconstruction for the subdivision, will require removal/replacement of curb inlets, upsizing of the storm sewer system, and may require the purchasing drainage easements in order to be able to replace the storm sewer system.									
PROJECT JUSTIFICATION									
Several homes in this neighborhood have a history of repetitive loss in spite of its location outside of the FEMA mapped flood hazard zone. Majority of the flooding problems identified in Harvey Assessment report is a result of undersized inlets and storm sewer system.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$1,780,000		\$1,780,000						\$1,780,000
Construction	\$11,840,000			\$11,840,000					\$11,840,000
Equipment and Furniture									
Contingency	\$2,306,000		\$306,000	\$2,000,000					\$2,306,000
TOTAL COSTS	\$15,926,000	\$0	\$2,086,000	\$13,840,000	\$0	\$0	\$0	\$0	\$15,926,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$15,926,000			\$2,086,000	\$7,840,000	\$6,000,000			\$15,926,000
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$15,926,000	\$0	\$0	\$2,086,000	\$7,840,000	\$6,000,000	\$0	\$0	\$15,926,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
West Lea Subdivision Drainage Improvements					DR1904		5		
PROJECT DESCRIPTION					PROJECT IMAGE				
The project area, located in West Lea Subdivision, is bounded by Marvel Road, Bailey Road, BDD4 Ditch, and Mary's Creek. Drainage improvements will require removal and replacement of driveway culverts, upsizing of culverts, widening and re-grading of bar ditches. The project will also include an asphalt overlay of the intersections to repair damage due to the drainage improvements. The project will also require the re-grading of the ditch along Marvel Road all the way to Mary's Creek outfall and deepening the area drainage ditch along the eastern perimeter to Mary's Creek.									
PROJECT JUSTIFICATION									
Several homes in this neighborhood have a history of repetitive loss. Concerns related to drainage have been expressed by the residents on several occasions. In addition, the City staff have participated in several HOA meetings to understand the drainage concerns. Majority of the subdivision will be located within the proposed FIRM 100-year floodplain.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$550,000		\$550,000						\$550,000
Construction	\$3,660,000			\$3,660,000					\$3,660,000
Equipment and Furniture									
Contingency	\$1,282,000		\$282,000	\$1,000,000					\$1,282,000
TOTAL COSTS	\$5,492,000	\$0	\$832,000	\$4,660,000	\$0	\$0	\$0	\$0	\$5,492,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$5,492,000			\$5,492,000					\$5,492,000
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$5,492,000	\$0	\$0	\$5,492,000	\$0	\$0	\$0	\$0	\$5,492,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
D. L. Smith Area Drainage Improvements					DR2002		7		
PROJECT DESCRIPTION					PROJECT IMAGE				
Drainage improvements and additional detention capacity in the existing D.L. Smith Detention Pond and other nearby development areas. Improvements to be considered are Clear Creek Improvements, additional detention capacity and drainage mitigation and land acquisition as a result of Hurricane Harvey.									
PROJECT JUSTIFICATION									
As the City is updating its Master Drainage Plan, the need for additional storage capacity along the Clear Creek Watershed to mitigate existing flooding and provide capacity for future development will be evaluated. This expansion or creation of other detention basins in the area could lower the 100-year water surface elevation of Clear Creek, reduce existing flood plain issues, accommodate future development along McHard Road between Old Alvin and Pearland Parkway, and will be able to provide additional detention for the expansion of the University of Houston Clear Lake - Pearland Campus and other nearby development. Work in this area will include partnerships with Brazoria Drainage District No. 4, Harris County Flood Control District and US Army Corp of Engineers.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$4,500	\$4,500	\$4,500				
Capital Outlay									
Total Expense			\$4,500	\$4,500	\$4,500				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report	\$87,946	\$87,946	\$87,946						\$87,946
Land/Right of Way	\$1,550,090	\$2,500,090	\$1,550,090						\$1,550,090
Design/Surveying	\$505,000	\$200,000	\$100,000		\$405,000				\$505,000
Construction	\$2,465,000					\$2,465,000			\$2,465,000
Equipment and Furniture									
Contingency	\$230,000				\$80,000	\$150,000			\$230,000
TOTAL COSTS	\$4,838,036	\$2,788,036	\$1,738,036	\$0	\$485,000	\$2,615,000	\$0	\$0	\$4,838,036
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$375,778	\$88,036	\$88,036			\$287,742			\$375,778
2007 General Obligation Bonds	\$4,462,258	\$2,700,000	\$1,650,000		\$485,000	\$2,327,258			\$4,462,258
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$4,838,036	\$2,788,036	\$1,738,036	\$0	\$485,000	\$2,615,000	\$0	\$0	\$4,838,036
1 Explain & Identify Type of Other Sources: Assumes BCDD #4 will maintain. Bonds sold - \$88,036 prior to 2014, \$600,000 in 2018, and \$1,050,000 to be sold in 2019.									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Hickory Slough Detention Pond Ph 2					DR2101		6		
PROJECT DESCRIPTION					PROJECT IMAGE				
This project consists of the construction of the final phase of the detention pond for Hickory Slough including the final build out of the storm water lift station and weir structure. The pond provides for 95 acre feet of detention. The detention pond basin floor is designed to match the existing layout for 6 sports fields (2 multi-purpose and 4 soccer) and expanded parking area, plus construction of back slope swales and drains, and hydro-mulching for erosion control.									
PROJECT JUSTIFICATION									
The pond will provide an additional 95 acre feet of detention, for a total of 248 acre feet of detention, to mitigate extreme weather events that have historically flooded the area. This pond will serve current and future City projects in addition to providing mitigation of localized events that adversely impact the Hickory Slough. This project is also planned to coincide with the parks project.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$471,000						\$471,000		\$471,000
Construction	\$3,140,000							\$3,140,000	\$3,140,000
Equipment and Furniture									
Contingency	\$628,000						\$28,000	\$600,000	\$628,000
TOTAL COSTS	\$4,239,000			\$0	\$0	\$0	\$0	\$499,000	\$3,740,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$4,239,000						\$499,000	\$3,740,000	\$4,239,000
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$4,239,000			\$0	\$0	\$0	\$0	\$499,000	\$3,740,000
¹ Explain & Identify Type of Other Sources:									

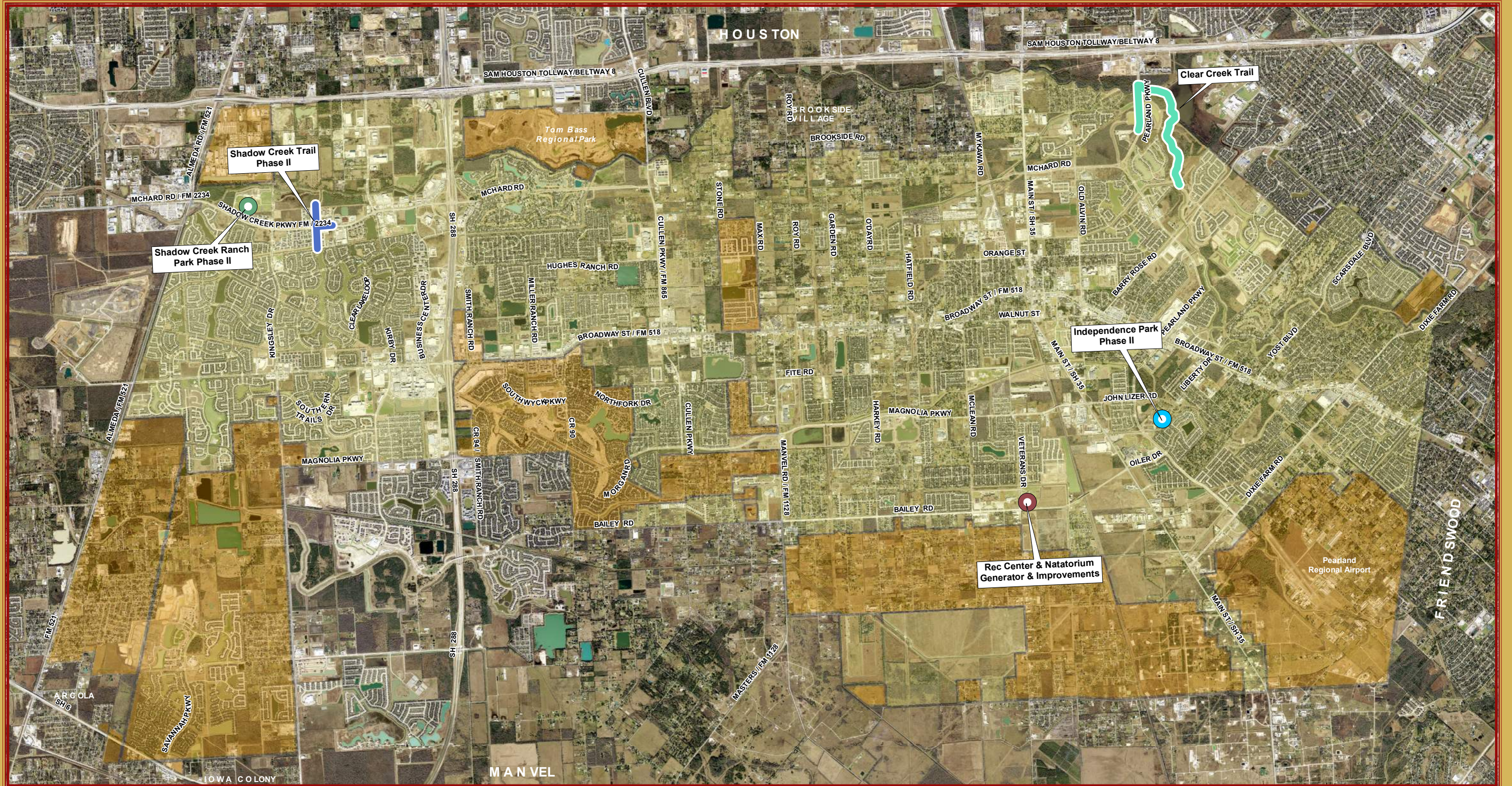
PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Storm Water Pump Station Generators						DR2102				
PROJECT DESCRIPTION						PROJECT IMAGE				
Pump stations will require a permanent generator with automatic transfer switch. In 2021 Cowart Creek and in 2022 Hickory Slough.										
PROJECT JUSTIFICATION										
Due to the critical nature of these storm water pump stations they will require an alternate power source in event of loss of line power. The City operates 6 storm water pump stations at regional detention facilities. Four facilities do not have back up power and require generator back up power to provide needed stormwater pumping to protect against flooding during emergency events such as Hurricane Harvey.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget						<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$360,000				\$180,000	\$180,000			\$360,000
Construction		\$1,200,000				\$600,000	\$600,000			\$1,200,000
Equipment and Furniture										
Contingency		\$240,000				\$120,000	\$120,000			\$240,000
TOTAL COSTS		\$1,800,000	\$0	\$0	\$0	\$900,000	\$900,000	\$0	\$0	\$1,800,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$1,800,000				\$900,000	\$900,000			\$1,800,000
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$1,800,000	\$0	\$0	\$0	\$900,000	\$900,000	\$0	\$0	\$1,800,000
¹ Explain & Identify Type of Other Sources:										

**CITY OF PEARLAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
PARKS**

Project No.	Project Name	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
PK1902	Park Equipment Recapitalization		1,000,000	500,000	500,000	500,000		2,500,000	2,500,000
PK1904	Clear Creek Trail	1,700,000			9,100,000			10,800,000	9,100,000
PK1905	Recreation Center & Natatorium Generator & Improvements	1,500,000						1,500,000	
PK2001	Shadow Creek Ranch Park Phase II	650,000	9,070,000					9,720,000	9,070,000
PK2003	Shadow Creek Trail Phase II - Along Clear Creek Relief Ditch & Library Trail		250,000	1,325,000				1,575,000	1,575,000
PK2401	Independence Park Phase II						1,236,000	1,236,000	1,236,000
	TOTAL	3,850,000	10,320,000	1,825,000	9,600,000	500,000	1,236,000	27,331,000	23,481,000

SOURCE OF FUNDS	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
<i>Non-Debt Funded</i>								
Other Funding Sources	460,000			320,000			780,000	320,000
<i>Leveraged Outside Funds</i>								
TIRZ Reimbursable Debt	650,000	9,320,000	1,325,000				11,295,000	10,645,000
HGAC - TIP	740,000			6,526,400			7,266,400	6,526,400
<i>Tax Supported Debt (Debt Service Fund)</i>								
Certificates of Obligation	985,500			2,253,600			3,239,100	2,253,600
2007 General Obligation Bonds	1,014,500						1,014,500	
2019 General Obligation Bonds		1,000,000	500,000	500,000	500,000		2,500,000	2,500,000
Future GO Bond Package						1,236,000	11,295,000	1,236,000
TOTAL	3,850,000	10,320,000	1,825,000	9,600,000	500,000	1,236,000	37,390,000	23,481,000

*Other Funding Sources include fund balance, developer contribution, park development fund.



CITY OF PEARLAND

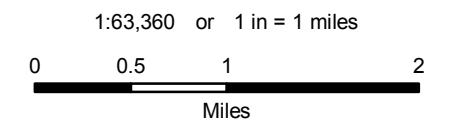
2020 - 2024

Capital Improvement Projects

Parks


- Shadow Creek Ranch Park Phase II
- Shadow Creek Trail Phase II
- City Limits
- Independence Park Phase II
- Clear Creek Trail
- ETJ
- Rec Center & Natatorium Generator & Improvements

Projects Not Shown
*Park Equipment Recapitalization




This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

MAP PREPARED: JULY 2019
CITY OF PEARLAND GIS DEPARTMENT


PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Park Equipment Recapitalization Program						PK1902		2		
PROJECT DESCRIPTION						PROJECT IMAGE				
An active parks replacement program intended to maximize the lifespan of park system amenity offerings. This program will seek to minimize deferred maintenance & provide high-quality recreation assets to the citizens of the Parks system inventory. This recapitalization will utilize a capital replacement program that is regularly updated, to provide updates, & replacement of equipment or facilities, such as water play features & structures, playground equipment, & dog park amenities as necessary. These items serve as examples of components with safe & useful lifespans that are monitored for replacement to ensure & enhance the user experience & provide a safe environment that is within reach to the greatest number of citizens. Initial locations include Southdown Park, Centennial Park, Independence Park, Creekside Park, Aaron Pasternak Memorial Park, Corrigan, Zychlinski Park, Woody Street Park, and Additional Needs Identified from 2020 Master Plan.										
PROJECT JUSTIFICATION										
As our population base grows, proportionally the use and wear on our assets grows along with it. A proactive decision to maintain a safe and desirable park infrastructure is a trademark of a signature community. Based on several in-depth studies, most recently from a joint endeavor among the Brookings Institute and the school of economics at Harvard University, it has been determined that deferred maintenance can cost as much as 600% of the figures associated with a proactive systemic maintenance culture.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction										
Equipment and Furniture		\$2,500,000			\$1,000,000	\$500,000	\$500,000	\$500,000		\$2,500,000
Contingency										
TOTAL COSTS		\$2,500,000	\$0	\$0	\$1,000,000	\$500,000	\$500,000	\$500,000	\$0	\$2,500,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds		\$2,500,000			\$1,000,000	\$500,000	\$500,000	\$500,000		\$2,500,000
Furture GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$2,500,000	\$0	\$0	\$1,000,000	\$500,000	\$500,000	\$500,000	\$0	\$2,500,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Clear Creek Trail					PK1904		5		
PROJECT DESCRIPTION					PROJECT IMAGE				
Construction of approximately 12,400 feet long, 10 foot wide concrete hike and bike trail beginning at the existing trail north of Barry Rose WRF, proceeding to the El Franco Lee Park then crossing back over Clear Creek and beneath the Pearland Parkway bridge then turning south to the University of Houston campus. This trail will include a San Jacinto historical theme with points of interest signage and include one pedestrian bridge, and is part of the regional San Jacinto Trail System celebrating Texas heritage.									
PROJECT JUSTIFICATION									
This project is an extension of the Trail Master Plan that was adopted by Council. Previous citizen surveys have listed the hike and bike trails as a priority for acquisition and development. This segment positions the trail to eventually tie into the future segments planned for the banks of Clear Creek and across the northern boundaries of the City.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services				52,451	108,049				
Operation & Maintenance			2,374	16,724	17,682				
Capital Outlay									
Total Expense			2,374	69,175	125,731				
FTE Staff Total				1.0	1.0				
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$250,000	\$150,000	\$250,000						\$250,000
Design/Surveying	\$850,000	\$850,000	\$850,000						\$850,000
Construction	\$8,100,000					\$8,100,000			\$8,100,000
Equipment and Furniture									
Contingency	\$1,600,000	\$600,000	\$600,000			\$1,000,000			\$1,600,000
TOTAL COSTS	\$10,800,000	\$1,600,000	\$1,700,000	\$0	\$0	\$9,100,000	\$0	\$0	\$10,800,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$2,753,600		\$500,000			\$2,253,600			\$2,753,600
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP	\$7,266,400	\$1,600,000	\$740,000			\$6,526,400			\$7,266,400
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$780,000		\$460,000			\$320,000			\$780,000
TOTAL SOURCES	\$10,800,000	\$1,600,000	\$1,700,000	\$0	\$0	\$9,100,000	\$0	\$0	\$10,800,000
¹Explain & Identify Type of Other Sources: Includes HGAC TIP funds in the estimated amount of \$7,266,400 and Park Zone 9 funds of \$150,328 (2022). TxDOT requested accelerating the design work to 2019 to meet the proposed TIP letting in 2022.									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Recreation Center & Natatorium Generator & Improvements				PK1905						
PROJECT DESCRIPTION				PROJECT IMAGE						
This project will be to provide a permanent natural gas stand-by generator that will operate the RCN at full electrical capacity to be able to provide full operational capacities in time of emergency for City staging or as a shelter. Work will also include the removal of the drop ceilings adjacent to the basketball courts and replace the VCT flooring with concrete stain and existing accordion dividers with room dividers in the multi-purpose rooms and the Zone.										
PROJECT JUSTIFICATION										
The RCN is a critical facility that needs to have full power capabilities during natural disasters and power outages. This will require that a permanent stand-by generator (approx. 900kW) be installed to provide this ability. The multi-purpose and Zone rooms are heavily utilized and the existing accordion room dividers have been damaged and the manufacturer no longer supplies the material. These would be replaced with sound proof folding dividers. With the heavy use the flooring is now showing its age and the current VCT is delaminating from the floor. The VCT would be removed and the concrete floors would be stripped and stained. The drop ceiling are continually being damaged and needs to be removed and the sprinkler system adjusted. This area has had repeated Fire Department violations and other remedies have failed to address the situation.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance		3,100	3,100	3,100	3,100					
Capital Outlay										
Total Expense		3,100	3,100	3,100	3,100					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$100,000	\$50,000	\$100,000						\$100,000
Construction		\$1,400,000	\$800,000	\$1,400,000						\$1,400,000
Equipment and Furniture										
Contingency			\$150,000							
TOTAL COSTS		\$1,500,000	\$1,000,000	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$1,500,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$485,500		\$485,500						\$485,500
2007 General Obligation Bonds		\$1,014,500	\$1,000,000	\$1,014,500						\$1,014,500
2019 General Obligation Bonds										
Furture GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$1,500,000	\$1,000,000	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$1,500,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$485,500 (CO) in 2019 and \$1,014,500 (GO) in 2019. Potential CDBG Disaster Recovery funding (\$300K) will offset CO's if approved.										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Shadow Creek Ranch Park Phase II					PK2001		4		
PROJECT DESCRIPTION					PROJECT IMAGE				
Phase II of the Sports Complex at Shadow Creek Ranch will include the addition of two cricket fields (which can also serve the needs of Rugby groups), a multipurpose 'Miracle Field' (adaptive multi-use field) area (a sports surface designed to accommodate special needs athletes), additional field lighting, approximately 250 parking spaces, and expanded restrooms and concession offerings.									
PROJECT JUSTIFICATION									
As a growing cosmopolitan suburb, as defined in a recent APA publication, the diversity of our community is presenting an expanding need for diverse programming. In consideration of the field types mentioned it is critical to consider that the need and desire of, once niche sports, are now becoming staples of a culturally diverse population. The need for rugby and miracle fields are increasing in particular due to the City of Houston acquiring a National Rugby Franchise, and the continued growth of quality of life for disabled populations due to proximity to the expanding Texas Medical Center, respectively.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services				104,902	216,098				
Operation & Maintenance			12,809	168,685	180,831				
Capital Outlay									
Total Expense			12,809	273,587	396,929				
FTE Staff Total				2.0	2.0				
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$650,000	\$1,080,000	\$650,000						\$650,000
Construction	\$7,630,000			\$7,630,000					\$7,630,000
Equipment and Furniture									
Contingency	\$1,440,000			\$1,440,000					\$1,440,000
TOTAL COSTS	\$9,720,000	\$1,080,000	\$650,000	\$9,070,000	\$0	\$0	\$0	\$0	\$9,720,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt	\$9,720,000	\$1,080,000	\$650,000	\$9,070,000					\$9,720,000
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$9,720,000	\$1,080,000	\$650,000	\$9,070,000	\$0	\$0	\$0	\$0	\$9,720,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$650,000 in 2019 (TIRZ).									

PROJECT NAME						PROJECT #	PREFERENCE ORDER			
Shadow Creek Trail Phase II - Along Clear Creek Relief Ditch & Library Trail						PK2003				
PROJECT DESCRIPTION						PROJECT IMAGE				
Construct approximately 1,600 foot of 10 foot wide hike and bike trail along the along the Clear Creek Relief channel and include a pedestrian bridge over the channel. The trail will connect the new trail along Clear Creek to the trail that is located along the Clear Creek Relief Channel. Additionally, a 500 foot trail will be installed to connect the proposed SCR Library to the SCR Trail.										
PROJECT JUSTIFICATION										
The Parks and Recreation plan that was adopted by Council sets forth a philosophy to provide multi-use trails that will connect residents to commercial areas and to areas of interest. This trail would connect the Clear Creek Relief channel to Clear Creek and also provide a multi-use path to the future Shadow Creek Library.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget						<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance				5,000	5,000					
Capital Outlay										
Total Expense				5,000	5,000					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							PROJECT TOTAL
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024		
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$225,000	\$150,000		\$225,000					\$225,000	
Construction	\$1,125,000	\$1,072,000			\$1,125,000				\$1,125,000	
Equipment and Furniture										
Contingency	\$225,000	\$248,000		\$25,000	\$200,000				\$225,000	
TOTAL COSTS	\$1,575,000	\$1,470,000	\$0	\$250,000	\$1,325,000	\$0	\$0	\$0	\$1,575,000	
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							PROJECT TOTAL
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024		
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt	\$1,575,000	\$1,470,000		\$250,000	\$1,325,000				\$1,575,000	
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$1,575,000	\$1,470,000	\$0	\$250,000	\$1,325,000	\$0	\$0	\$0	\$1,575,000	
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Independence Park Phase II					PK2401		3		
PROJECT DESCRIPTION					PROJECT IMAGE				
Phase II improvements to Independence Park will build off of amenities completed in Phase I. Planned amenities include the incorporation of the adjacent detention pond as a usable park amenity lake with the addition of a boat house and restaurant with parking and entry, the addition of landscaping and irrigation and inner park access roadway and internal trails, the possible expansion of playground space (provided by donation). In addition to the added amenities, the needed support infrastructure (walkways, tables, benches, lighting, water, electrical, etc.) will be completed as well.									
PROJECT JUSTIFICATION									
According to the survey done in conjunction with the master plan, this park is highly utilized. This park is intended to fulfill the role of a premier outdoor entertainment event center for the City. Phase II will provide culmination of the improvements begun in phase I.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$1,236,000							\$1,236,000	\$1,236,000
Construction	\$8,240,000								
Equipment and Furniture	\$250,000								
Contingency	\$1,650,000								
TOTAL COSTS	\$11,376,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,236,000	\$1,236,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package	\$11,376,000							\$1,236,000	\$1,236,000
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$11,376,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,236,000	\$1,236,000
¹ Explain & Identify Type of Other Sources:									

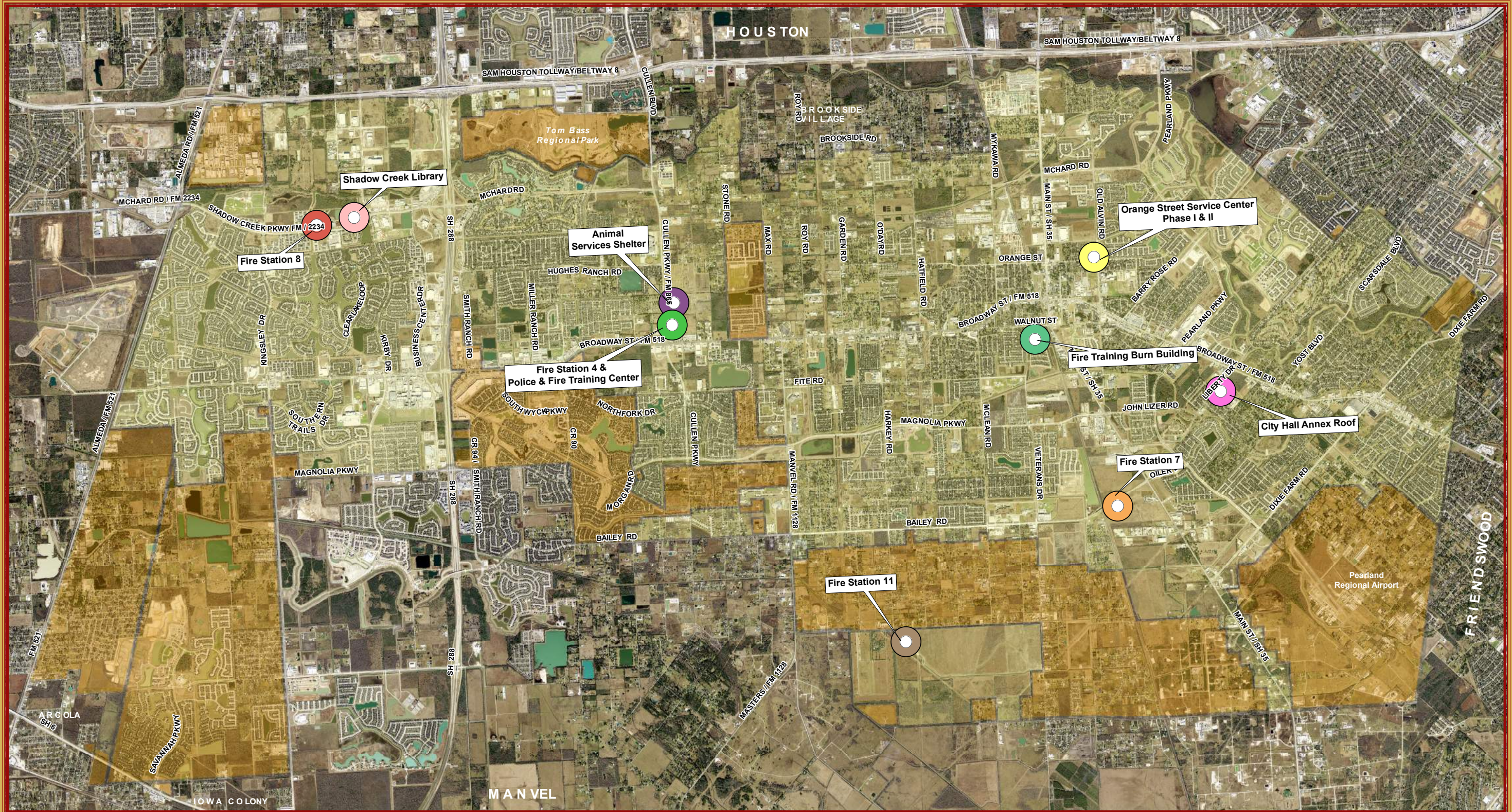
**CITY OF PEARLAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
FACILITIES**

Project No.	Project Name	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
FA1404	Orange Street Service Center Phase 1	12,235,290						12,235,290	
FA1501	Fire Station #8	13,159,800						13,159,800	
FA1702	Facilities Assessment and Maintenance Plan		300,000					300,000	300,000
FA1803	Animal Services Shelter	1,537,000	11,500,000					13,037,000	11,500,000
FA1804	Fire Station #7	50,000				1,600,000	6,680,000	8,330,000	8,280,000
FA1805	Shadow Creek Library	1,960,000	1,000,000	20,540,000				23,500,000	21,540,000
FA1902	Orange Street Service Center Phase 2	675,000	1,745,000	22,930,000				25,350,000	24,675,000
FA2001	Fire Station #4	1,435,000		7,364,000				8,799,000	7,364,000
FA2002	Fire Station #11			350,000			1,030,000	1,380,000	1,380,000
FA2003	Fire Training Burn Building Phase 1		130,000	1,170,000				1,300,000	1,300,000
FA2004	Fiber Backbone		789,750	591,750	492,750	393,750	775,000	3,043,000	3,043,000
FA2005	City Hall Annex Roof		945,000					945,000	945,000
FA2006	PSB Back-Up Power Redundancy for Critical Facility		875,000					875,000	875,000
FA2201	Police & Fire Training Center				600,000			600,000	600,000
FA2301	City Hall Back-Up Power Redundancy for Critical Facility					1,125,000		1,125,000	1,125,000
	TOTAL	31,052,090	17,284,750	52,945,750	1,092,750	3,118,750	8,485,000	113,979,090	82,927,000








SOURCE OF FUNDS	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
<i>Non-Debt Funded</i>								
General Revenue - Cash	12,000		591,750	246,375	196,875	387,500	1,434,500	1,422,500
System Revenues - Cash		394,875		246,375	196,875	387,500	1,225,625	1,225,625
Other Funding Sources*		694,875					694,875	694,875
<i>Leveraged Outside Funds</i>								
TIRZ Reimbursable Debt	15,113,000	1,000,000	20,540,000				36,653,000	21,540,000
<i>Tax Supported Debt (Debt Service Fund)</i>								
Certificates of Obligation	6,535,916	2,788,000	13,522,000	3,964,000	2,725,000	7,710,000	37,244,916	30,709,000
2019 General Obligation Bonds		7,255,000	6,920,000				14,175,000	14,175,000
<i>Water/Sewer Supported Debt (Enterprise Fund)</i>								
W/S Revenue Bonds	8,016,174	777,000	13,758,000				22,551,174	14,535,000
Less Projects Appropriated in Previous Year								<i>(1,375,000)</i>
TOTAL	29,677,090	12,909,750	55,331,750	4,456,750	3,118,750	8,485,000	113,979,090	82,927,000



Note: Totals may not tie by year, as the City sometimes appropriates funds for projects in one year and then sells the bonds in the next year.

*Other Funding Sources include fund balance.



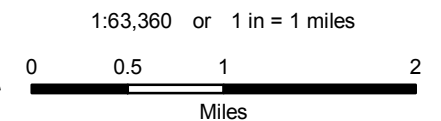
CITY OF PEARLAND
2020 - 2024
Capital Improvement Projects
Facilities

-  Animal Services Shelter
-  Fire Station 8
-  Shadow Creek Library
-  Fire Station 11
-  Fire Training Burn Building Phase 1
-  Orange St Service Center Phase I & II
-  Fire Station 7

-  City Limits
-  ETJ


Projects Not Shown

- *Fiber Backbone
- *Facilities Assessment and Maintenance Plan
- *City Hall & PSB Back-Up Power Redundancy for Critical Facility




This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

MAP PREPARED: JULY 2019
 CITY OF PEARLAND GIS DEPARTMENT


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Orange Street Service Center Phase 1				FA1404		Ongoing			
PROJECT DESCRIPTION				PROJECT IMAGE					
The original project was to be completed in two parts, renovation of the old EMS building as a Field Operations Support building (1A) and construction of a new Administration building (1B). The project is being revised to encompass the construction of one larger (18,000 sq. ft.) Administration building with supporting parking and site improvements to house both the Public Works administrative staff and Engineering and Capital Projects staff. Phase 2 will include Operations & Maintenance building, which will house all other activities currently spread across a number of smaller buildings throughout the site, including Fleet, Streets & Drainage, Collections & Distribution, Water Production, Wastewater, Parks Maintenance, and equipment & material storage.									
PROJECT JUSTIFICATION									
The facilities at this site have not been updated in over twenty years and have exceeded their useful life. Both Public Works and Engineering and Capital Projects staff will be housed in the new Administration building, and both departments have exceeded the original forecasted personnel levels in the five-year projections, prompting the need for a larger building. The existing buildings do not meet current wind storm requirements and no longer meet many current life safety and ADA codes.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance	23,810	100,002	105,002	110,252	115,765				
Capital Outlay	2,500								
Total Expense	26,310	100,002	105,002	110,252	115,765				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$645,290	\$645,290	\$645,290						\$645,290
Construction	\$9,990,000	\$9,090,000	\$9,990,000						\$9,990,000
Equipment and Furniture	\$800,000	\$800,000	\$800,000						\$800,000
Contingency	\$800,000	\$800,000	\$800,000						\$800,000
TOTAL COSTS	\$12,235,290	\$11,335,290	\$12,235,290	\$0	\$0	\$0	\$0	\$0	\$12,235,290
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$4,894,116	\$4,534,116	\$4,894,116						\$4,894,116
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$7,341,174	\$6,801,174	\$7,341,174						\$7,341,174
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$12,235,290	\$11,335,290	\$12,235,290	\$0	\$0	\$0	\$0	\$0	\$12,235,290
¹Explain & Identify Type of Other Sources: Bonds sold - \$290,000 (CO) in 2014, \$1,697,240 (CO) in 2016, \$2,980,860 (Rev) in 2016, \$2,906,876 (CO) in 2019, and \$4,360,314 (REV) in 2019.									

PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Fire Station #8						FA1501		1	
PROJECT DESCRIPTION						PROJECT IMAGE			
Construction of approximately 16,000 - 18,000 sq. ft. fire station designed to house two - 4 person engine crews, one - 4 person ladder crew and one - 2 person ambulance crew. The station will include dorm rooms, restrooms with showers, a kitchen/dining area, a day room, a Captain's office and Lieutenant's office, personnel and equipment decontamination areas and an exercise room along with storage areas for bunker gear, medical supplies. The facility will be constructed to 140 mph/3 second gust wind load standards and will include four 80 feet deep drive through equipment bays and adequate parking for full staffing on 24/7 operation.									
PROJECT JUSTIFICATION									
Station 8 is needed as most of this area of Pearland is currently well beyond a best practice travel time of 4 minutes for emergency response vehicles. Also, current Fire Station 5 is nearing maximum incident response capacity. Station 8's primary response area will be Shadow Creek Parkway from SH288 to FM521. It will also cover up to Beltway 8 and the northern half of the Shadow Creek Ranch Development. Fire Station 8 is a larger station intended to house one ambulance, two fire engine pumpers and one aerial ladder platform. It is a combined fire station as there are no readily available properties to site a Fire Station 9 as called for in the Council adopted 2012 Fire Station Master Location Plan. The 2017 Citygate Standards of Cover and Staffing Study echoes the 2012 study and indicates Station 8 as a high priority as evidenced through the use of GIS mapping, actual travel time data and incident demand data.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget						<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)			
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services		2,941,155	3,029,389	3,120,271	3,213,879				
Operation & Maintenance	146,353	372,839	391,481	411,055	431,608				
Capital Outlay	16,170								
Total Expense	146,353	3,330,164	3,420,870	3,531,326	3,645,487				
FTE Staff Total		30.0							
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS						
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report		\$42,000							
Land/Right of Way		\$20,000	\$20,000	\$20,000					\$20,000
Design/Surveying		\$650,000	\$1,113,800	\$650,000					\$650,000
Construction		\$8,350,800	\$7,900,000	\$8,350,800					\$8,350,800
Equipment and Furniture		\$3,489,000	\$3,489,000	\$3,489,000					\$3,489,000
Contingency		\$650,000	\$856,000	\$650,000					\$650,000
TOTAL COSTS		\$13,159,800	\$13,420,800	\$13,159,800	\$0	\$0	\$0	\$0	\$13,159,800
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES						
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation		\$6,800	\$6,800	\$6,800					\$6,800
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt		\$13,153,000	\$13,414,000	\$13,153,000					\$13,153,000
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES		\$13,159,800	\$13,420,800	\$13,159,800	\$0	\$0	\$0	\$0	\$13,159,800
¹ Explain & Identify Type of Other Sources: Funds for the PER (\$6,800) were transferred from Fire Station #2. Bonds Sold - \$1,169,000 in 2018 and \$11,984,000 in 2019.									


PROJECT NAME						PROJECT #	PREFERENCE ORDER			
Facilities Assessment and Maintenance Plan						FA1702	4			
PROJECT DESCRIPTION										
<p>The purpose of the Facilities assessment is to provide comprehensive documentation and analysis of the City's existing built facilities. This would include all relevant components such as HVAC/ Electrical/ Plumbing/ Flooring/ Ceilings/ Lighting upgrades/ Fixtures/ Insulation/ Structural. This assessment plan is to evaluate all city facilities for building system lifespan and condition. Information from this initial evaluation will assist with budget forecasts for each year by having a clear understanding of building systems, their age and forecast lifespan. The analysis will also be utilized for prioritizing capital improvements and maintenance requirements, as well as assisting with allocating operating budgets and on-going maintenance schedules.</p>										
PROJECT JUSTIFICATION										
<p>Without this information, staff continue to perform reactive facility maintenance. Often, this means long lead times for critical equipment repair or replacement and rental of temporary systems to maintain operation until necessary equipment can be ordered/ manufactured/ delivered/ installed/ commissioned.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$300,000	\$500,000		\$300,000						\$300,000
Construction										
Equipment and Furniture										
Contingency										
TOTAL COSTS	\$300,000	\$500,000	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -	\$300,000	\$500,000		\$300,000						\$300,000
TOTAL SOURCES	\$300,000	\$500,000	\$0	\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000
*Explain & Identify Type of Other Sources: Fund 501 fund balance \$300,000.										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Animal Services Shelter				FA1803		5			
PROJECT DESCRIPTION				PROJECT IMAGE					
Construct a 21,000 sq. ft. animal shelter on 4 acres to house 16 staff members, medical suite, dog runs to house 86 canines, and cat runs for 134 felines, quarantine areas in compliance with State Law for up to 16 quarantined animals, an adoption center with rooms for potential adoption interaction and observation, veterinary service room, laundry room, and food storage areas.									
PROJECT JUSTIFICATION									
The average population of the shelter is 63 animals. The maximum holding capacity is 83 animals. There is capacity for up to 8 livestock animals. The current building is maintenance intensive.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services				207,618	213,847				
Operation & Maintenance			46,405	366,044	401,711				
Capital Outlay				75,130					
Total Expense			46,405	648,792	615,558				
FTE Staff Total				4.0					
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report	\$21,000	\$162,000	\$21,000						\$21,000
Land/Right of Way									
Design/Surveying	\$1,380,000		\$1,380,000						\$1,380,000
Construction	\$9,200,000			\$9,200,000					\$9,200,000
Equipment and Furniture	\$600,000			\$600,000					\$600,000
Contingency	\$1,836,000		\$136,000	\$1,700,000					\$1,836,000
TOTAL COSTS	\$13,037,000	\$162,000	\$1,537,000	\$11,500,000	\$0	\$0	\$0	\$0	\$13,037,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash	\$12,000	\$12,000	\$12,000						\$12,000
Certificates of Obligation	\$150,000	\$150,000	\$150,000						\$150,000
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$12,875,000			\$7,125,000	\$5,750,000				\$12,875,000
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$13,037,000	\$162,000	\$162,000	\$7,125,000	\$5,750,000	\$0	\$0	\$0	\$13,037,000
*Explain & Identify Type of Other Sources: Bonds Sold - \$150,000 (CO) in 2018. Possible funding from Mason Animal Foundation Grant, Petco Partners									

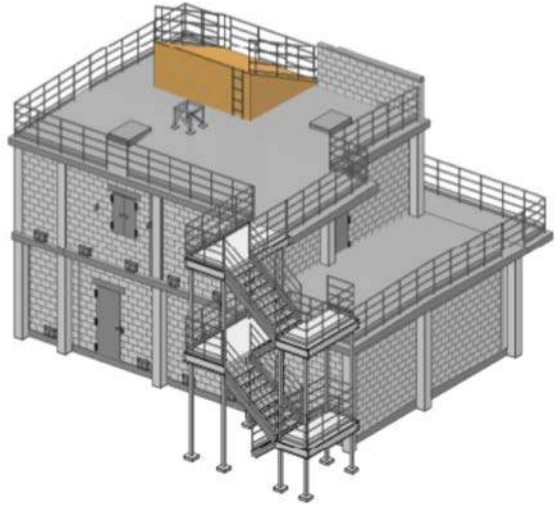
PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Fire Station #7						FA1804		2	
PROJECT DESCRIPTION						PROJECT IMAGE			
Construction of approximately 11,000 sq. ft. station to house one - 4 person Engine Crew and one - 2 person EMS Ambulance Crew, and 2 trainees. Station will include sleeping rooms, restrooms with showers, & a kitchen dining area, a dayroom, a Lieutenant office, a station command office, & exercise room. Equipment area will consist of 3-60 foot deep drive-thru apparatus bays, a bunker gear storage area, medical supply storage, & an EMS decontamination area. Also the station will support a separation of dirty/clean areas for firefighter health, which will include showers & restroom shower for decontamination. The facility will be located near the vicinity of SH 35 and Bailey.									
PROJECT JUSTIFICATION									
As indicated and proposed by the 2012 Master Fire Station Location Plan as adopted by City Council resolution. The 2017 Citygate Standards of Cover and Staffing Study also supports this location.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services					183,964				
Operation & Maintenance					14,610				
Capital Outlay				1,041,863	13,371				
Total Expense				1,041,863	211,945				
FTE Staff Total					12.0				
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$25,000	\$325,000	\$25,000						\$25,000
Design/Surveying	\$1,025,000	\$1,060,000	\$25,000				\$1,000,000		\$1,025,000
Construction	\$5,800,000	\$5,620,000					\$500,000	\$5,300,000	\$5,800,000
Equipment and Furniture	\$300,000							\$300,000	\$300,000
Contingency	\$1,180,000	\$100,000					\$100,000	\$1,080,000	\$1,180,000
TOTAL COSTS	\$8,330,000	\$7,105,000	\$50,000	\$0	\$0	\$0	\$1,600,000	\$6,680,000	\$8,330,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$8,330,000	\$7,105,000	\$50,000				\$1,600,000	\$6,680,000	\$8,330,000
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$8,330,000	\$7,105,000	\$50,000	\$0	\$0	\$0	\$1,600,000	\$6,680,000	\$8,330,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$1,485,000 in 2018 (\$1,435,000 moved to FS #4).									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Shadow Creek Library				FA1805		9			
PROJECT DESCRIPTION				PROJECT IMAGE					
Construct a permanent County Library facility on the west side consisting of approximately 39,000 square feet, using space requirements and usage information similar to that developed for the renovations to the Tom Reid Library. Other features include: humidity control system for HVAC, specialized chill water systems, exterior security lighting, and specialized library furnishings. Current planning has the facility located on a 3.2 acre site owned by the City on Shadow Creek Parkway west of Kirby Drive. Collaboration with Brazoria County Tax office for space within the building. Timing for the project coincides with the expiration of the lease on the existing facility within the shopping center at Broadway and Business Center Drive.									
PROJECT JUSTIFICATION									
In late 2012 the City initiated construction of a temporary (7 to 10 year) County Library Annex in commercial storefront space off of Broadway and Business Center Drive. This consisted of approximately 6,000 square feet. The facility has experienced substantial patronage from residents within the west end of the city. In 2014 the facility was expanded 4,000 square feet to accommodate high demand. The new library would provide a permanent home for this facility and be sized to accommodate growing demands from citizens throughout the county.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
				<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance					69,134				
Capital Outlay									
Total Expense					69,134				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report		\$200,000							
Land/Right of Way	\$6,500		\$6,500						\$6,500
Design/Surveying	\$1,890,000	\$1,390,000	\$1,890,000						\$1,890,000
Construction	\$17,550,000			\$1,000,000	\$16,550,000				\$17,550,000
Equipment and Furniture	\$2,190,000				\$2,190,000				\$2,190,000
Contingency	\$1,863,500	\$370,000	\$63,500		\$1,800,000				\$1,863,500
TOTAL COSTS	\$23,500,000	\$1,960,000	\$1,960,000	\$1,000,000	\$20,540,000	\$0	\$0	\$0	\$23,500,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt	\$23,500,000	\$1,960,000	\$1,960,000	\$1,000,000	\$20,540,000				\$23,500,000
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$23,500,000	\$1,960,000	\$1,960,000	\$1,000,000	\$20,540,000	\$0	\$0	\$0	\$23,500,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$200K in 2018 and \$1,760,000 in 2019.									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Orange Street Service Center Phase 2				FA1902		7			
PROJECT DESCRIPTION				PROJECT IMAGE					
Phase 2 of the Orange Street Service Center project is derived from a Facilities Master Plan. A new Operations & Maintenance building with parking is planned, housing field Superintendents and staff for Fleet Maintenance, Water & Sewer, Streets and Drainage, and Parks Maintenance. This building will replace and consolidate existing buildings scattered throughout the site, provide covered storage for equipment and material currently stored outdoors, and meet current wind storm requirements and emergency shelter resiliency to operate as a shelter-in-place facility for Public Works first responders. The building will include locker rooms and showers, a training room, break room, and kitchen.									
PROJECT JUSTIFICATION									
The facilities at this site are over twenty years old and have exceeded their useful life. To make more efficient use of the site, one large operations & maintenance building will be constructed to replace numerous smaller buildings at the site. As a result of Hurricane Harvey lessons learned, the Orange Street campus needs upgraded Public Works first responder staff quarters and amenities to stay fully operational through a similar disaster operation.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
				<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance			398,462	453,090	475,745				
Capital Outlay				1,794					
Total Expense			398,462	454,885	475,745				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report	\$675,000	\$980,000	\$675,000						\$675,000
Land/Right of Way									
Design/Surveying	\$800,000			\$800,000					\$800,000
Construction	\$19,000,000				\$19,000,000				\$19,000,000
Equipment and Furniture	\$980,000				\$980,000				\$980,000
Contingency	\$3,895,000			\$945,000	\$2,950,000				\$3,895,000
TOTAL COSTS	\$25,350,000	\$980,000	\$675,000	\$1,745,000	\$22,930,000	\$0	\$0	\$0	\$25,350,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$10,140,000	\$392,000		\$968,000	\$9,172,000				\$10,140,000
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$15,210,000	\$588,000	\$675,000	\$777,000	\$13,758,000				\$15,210,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$25,350,000	\$980,000	\$675,000	\$1,745,000	\$22,930,000	\$0	\$0	\$0	\$25,350,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$675,000 in 2019.									


PROJECT NAME						PROJECT #	PREFERENCE ORDER			
Fire Station #4						FA2001	8			
PROJECT DESCRIPTION						PROJECT IMAGE				
<p>Construction of approximately 12,000 sq. ft. station east of current location on existing site. Station will be outfitted to house one – 4 person Engine Crew, one – 2 person Ambulance Crew, 1 Shift Commander, and 1 Fire Captain – EMS. This station will be designed for future expansion to house future command vehicle and rescue truck due to central location. Station will include 10 sleeping rooms, restrooms with showers, kitchen area, dayroom, exercise room, and three offices. Equipment area will consist of 3 – 60 foot deep apparatus bays, two 30 foot deep SUV bays, bunker gear storage area, medical supply storage, and EMS decontamination area. The station will support a separation of dirty/clean areas for firefighter health which will include shower areas for decontamination. This project will also design the renovation of the existing station to accommodate the Special Emergency Vehicle Parking project FA2201.</p>										
PROJECT JUSTIFICATION										
<p>Existing fire station was built in 2002 and was originally designed for an all-volunteer (respond from home) fire department. Therefore, few of the normal 24/7 staffing working spaces found in a fire station are available. Modifications have been made during the years however there are some concerns about the hurricane resistance of the building. There are insufficient bathrooms, and other living spaces. HVAC is being replaced in 2017. There are safety and hygiene issues including: lack of airlocks between the apparatus bays and the living spaces, a fire sprinkler system that does not meet code, no bunker gear storage and cleaning room, no EMS equipment cleaning room and storage, etc. There are also no workout facilities.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget						<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance			107,970	113,368	119,037					
Capital Outlay			14,553							
Total Expense			122,523	113,368	119,037					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							PROJECT TOTAL
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$865,000			\$865,000						\$865,000
Construction	\$6,390,000			\$390,000		\$6,000,000				\$6,390,000
Equipment and Furniture	\$264,000					\$264,000				\$264,000
Contingency	\$1,280,000			\$180,000		\$1,100,000				\$1,280,000
TOTAL COSTS	\$8,799,000		\$0	\$1,435,000	\$0	\$7,364,000	\$0	\$0	\$0	\$8,799,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							PROJECT TOTAL
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	
General Revenue - Cash										
Certificates of Obligation	\$8,799,000			\$1,435,000		\$4,000,000	\$3,364,000			\$8,799,000
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$8,799,000		\$0	\$1,435,000	\$0	\$4,000,000	\$3,364,000	\$0	\$0	\$8,799,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$1,435,000 moved from FS #7.										


PROJECT NAME		PROJECT #		PREFERENCE ORDER						
Fire Station #11		FA2002								
PROJECT DESCRIPTION		PROJECT IMAGE								
<p>Construction of approximately 11,000 sq. ft. station to house one - 4 person Engine Crew and one - 2 person EMS Ambulance Crew, and 2 trainees. Station will include sleeping rooms, restrooms with showers, and a kitchen dining area, a dayroom, a Lieutenant office, a station command office, and exercise room. Equipment area will consist of 3-60 foot deep drive-thru apparatus bays, a bunker gear storage area, medical supply storage, and an EMS decontamination area. Also the station will support a separation of dirty/clean areas for firefighter health, which will include showers and restroom shower for decontamination. The facility will be located on County Road 100.</p>										
PROJECT JUSTIFICATION										
<p>As indicated and proposed by the 2012 Master Fire Station Location Plan as adopted by City Council resolution. The 2017 Citygate Standards of Cover and Staffing Study also supports this location.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services					1,146,668					
Operation & Maintenance					147,018					
Capital Outlay				1,041,863	438,798					
Total Expense				1,041,863	1,732,484					
FTE Staff Total					12.0					
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way		\$350,000				\$350,000				\$350,000
Design/Surveying		\$1,030,000							\$1,030,000	\$1,030,000
Construction		\$6,830,000								
Equipment and Furniture		\$275,000								
Contingency		\$1,370,000								
TOTAL COSTS		\$9,855,000	\$0	\$0	\$0	\$350,000	\$0	\$0	\$1,030,000	\$1,380,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$9,855,000				\$350,000			\$1,030,000	\$1,380,000
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$9,855,000	\$0	\$0	\$0	\$350,000	\$0	\$0	\$1,030,000	\$1,380,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Fire Training Burn Building Phase 1					FA2003				
PROJECT DESCRIPTION					PROJECT IMAGE				
Construction of a two story live fire training burn building and concrete pad on the existing Pearland Fire Department Fire Training Field east of the David L. Smith Fire Administration Building. To properly educate and prepare Pearland's firefighters to respond to the complex hazards that they will face in residential or commercial fires, the fire department needs to have appropriate facilities to train, acquire and enhance the skills needed.									
PROJECT JUSTIFICATION									
The PFD Fire Training Field was originally started by PVFD, Inc. There is a master plan for the Fire Training Field and all of its associated projects. Much of the drainage work from this engineering plan has already been completed. Building and structure fires are high risk events that can easily injure fire fighters. PFD does not currently have a way to conduct live fire training except to travel to other live fire training facilities. This incurs overtime costs and other facilities may charge additional fees and/or may not be available on schedules convenient to PFD. This project will allow additional initial training and continuing education training opportunity for PFD and the surrounding area departments.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance		196	391	391	391				
Capital Outlay									
Total Expense		196	391	391	391				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$130,000			\$130,000					\$130,000
Construction	\$1,070,000				\$1,070,000				\$1,070,000
Equipment and Furniture									
Contingency	\$100,000				\$100,000				\$100,000
TOTAL COSTS	\$1,300,000	\$0	\$0	\$130,000	\$1,170,000	\$0	\$0	\$0	\$1,300,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$1,300,000			\$130,000	\$1,170,000				\$1,300,000
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,300,000	\$0	\$0	\$130,000	\$1,170,000	\$0	\$0	\$0	\$1,300,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Fiber Backbone						FA2004		3		
PROJECT DESCRIPTION						PROJECT IMAGE				
To extend and build out the fiber network to reach all city facilities (buildings, lift stations, parks, traffic signals, and water facilities) and supports the SCADA network. Funds in 2020 will bring fiber along John Lizer/Magnolia from Harkey to Pearland Parkway. Funds in 2021 will bring fiber along Magnolia from Harkey Rd to Cullen Parkway. Funds in 2022 will bring fiber along Cullen Parkway from Magnolia to the Public Safety Building. Funds in 2023 will bring fiber along Cullen Parkway from Public Safety Building to McHard. Funds in 2024 will bring fiber along Magnolia from Cullen to Smith Ranch Rd. Funds in 2025 will bring fiber along Magnolia from Smith Ranch Rd to Kirby Water Plant.										
PROJECT JUSTIFICATION										
The City currently relies on Fiber Optic cabling to connect major facilities to their applications, as well as traffic signal and camera operations along major thoroughfares. The IT Department began consolidating the City's data centers down to a single data center in an effort to reduce cost, streamline operations, & centralize technology. This effort could only be accomplished by having the Fiber Optic infrastructure in place to support system operations. As the City continues to build new facilities, remodel old facilities, and install critical infrastructure components, reliable connectivity to the applications & systems are essential. Fiber Optic cabling provides seemingly limitless connectivity between sites & provides superior quality over other mediums. There are a few standalone fiber projects proposed to connect remaining sites as well as traffic signals.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							PROJECT TOTAL
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$251,000				\$67,500	\$49,500	\$40,500	\$31,500	\$62,000	\$251,000
Construction	\$2,510,000				\$675,000	\$495,000	\$405,000	\$315,000	\$620,000	\$2,510,000
Equipment and Furniture										
Contingency	\$282,000				\$47,250	\$47,250	\$47,250	\$47,250	\$93,000	\$282,000
TOTAL COSTS	\$3,043,000		\$0	\$0	\$789,750	\$591,750	\$492,750	\$393,750	\$775,000	\$3,043,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							PROJECT TOTAL
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	
General Revenue - Cash	\$1,422,500					\$591,750	\$246,375	\$196,875	\$387,500	\$1,422,500
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash	\$1,225,625				\$394,875		\$246,375	\$196,875	\$387,500	\$1,225,625
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -	\$394,875				\$394,875					\$394,875
TOTAL SOURCES	\$3,043,000		\$0	\$0	\$789,750	\$591,750	\$492,750	\$393,750	\$775,000	\$3,043,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
City Hall Annex Roof					FA2005					
PROJECT DESCRIPTION					PROJECT IMAGE					
This project will be to remove the existing roof to the concrete substrate on the building, provide a new sealant membrane on the deck, add new insulation block and then apply modified bitumen membrane with mechanical fasteners spaced to create a 140 mph/3 second gusts roof. This will correct for structure deflection due to age and provide a new 30 year warranty roof constructed for the City's standard windstorm specifications.										
PROJECT JUSTIFICATION										
The roof sustained damage with Hurricane Ike (2008) and was repaired but not replaced. Since that time the roof has experienced continual degradation to the insulation under the roof material. This will require the removal of the roof to the concrete substrate and rebuild. The City Annex building has recently been renovated and since this completion there have been roof leaks occurring. This has led to damage of the ceiling tiles and in some incidents other damage to walls and floor coverings.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$75,000			\$75,000					\$75,000
Construction		\$750,000			\$750,000					\$750,000
Equipment and Furniture										
Contingency		\$120,000			\$120,000					\$120,000
TOTAL COSTS		\$945,000	\$0	\$0	\$945,000	\$0	\$0	\$0	\$0	\$945,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$945,000			\$945,000					\$945,000
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$945,000	\$0	\$0	\$945,000	\$0	\$0	\$0	\$0	\$945,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
PSB Back-Up Power Redundancy for Critical Facility					FA2006					
PROJECT DESCRIPTION					PROJECT IMAGE					
This project will also include the design of the concrete slab foundation and visual screening. This project will also include the refurbishment of the existing generator that is located at the Reflection Bay WRF that was part of the original plant. This is a 1500kW generator that will be refurbished, to meet Tier II requirements, and relocated to the Public Services Building (PSB) to augment the existing generator to provide full service capabilities at the PSB. This will also include the evaluation of the electrical service entrance to determine how to best connect this generator.										
PROJECT JUSTIFICATION										
The PSB currently has a generator that only supplies power to a portion of the facility during power loss. This generator and automatic transfer switch (ATS) will provide the additional power to provide full service redundancy to this critical facility and the Emergency Operations Center.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$200,000			\$200,000					\$200,000
Construction		\$600,000			\$600,000					\$600,000
Equipment and Furniture										
Contingency		\$75,000			\$75,000					\$75,000
TOTAL COSTS		\$875,000	\$0	\$0	\$875,000	\$0	\$0	\$0	\$0	\$875,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$875,000			\$875,000					\$875,000
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$875,000	\$0	\$0	\$875,000	\$0	\$0	\$0	\$0	\$875,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Police & Fire Training Center					FA2201					
PROJECT DESCRIPTION					PROJECT IMAGE					
Repurpose former Fire Station #4 structure to accommodate covered parking for MRAP and Mobile Command Vehicles. To include interior modifications to move weight room out of PSB and provide off site training room to allow for the expansion of emergency operations EOC Center.										
PROJECT JUSTIFICATION										
The police department has several specialty vehicles parked in the current lot that are not used on a daily basis. This includes the armored MRAP vehicle and several Humvee's and LMTV vehicles along with vans, trailers, and a 4x4 pickup. The department is anticipating approval to purchase a 38' RV style mobile command post in the near future. In order to properly maintain such vehicles out of the weather, and provide lighting and electrical hook ups for the vehicles and equipment stored therein, the department suggest construction of a covered parking area in the existing parking lot.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$500,000					\$500,000			\$500,000
Equipment and Furniture										
Contingency		\$100,000					\$100,000			\$100,000
TOTAL COSTS		\$600,000	\$0	\$0	\$0	\$0	\$600,000	\$0	\$0	\$600,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$600,000					\$600,000			\$600,000
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$600,000	\$0	\$0	\$0	\$0	\$600,000	\$0	\$0	\$600,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
City Hall Back-Up Power Redundancy for Critical Facility					FA2301				
PROJECT DESCRIPTION					PROJECT IMAGE				
This project will be to design and install the appropriate sized generator to provide emergency power to the City Hall complex. The City Hall complex requires a 900kW generator to provide full redundant power. To provide full redundant power during times of emergency the generator will be fueled by natural gas.									
PROJECT JUSTIFICATION									
The existing generator (75kW) located at the site is undersized to supply power for the City Hall complex. The existing generator only provides power to the IT server room. When power is lost the entire site other than the IT servers loose power. This interrupts city staff's ability to provide service to the public in times of power loss.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$100,000						\$100,000		\$100,000
Construction	\$900,000						\$900,000		\$900,000
Equipment and Furniture									
Contingency	\$125,000						\$125,000		\$125,000
TOTAL COSTS	\$1,125,000	\$0	\$0	\$0	\$0	\$0	\$1,125,000	\$0	\$1,125,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$1,125,000						\$1,125,000		\$1,125,000
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,125,000	\$0	\$0	\$0	\$0	\$0	\$1,125,000	\$0	\$1,125,000
¹ Explain & Identify Type of Other Sources:									

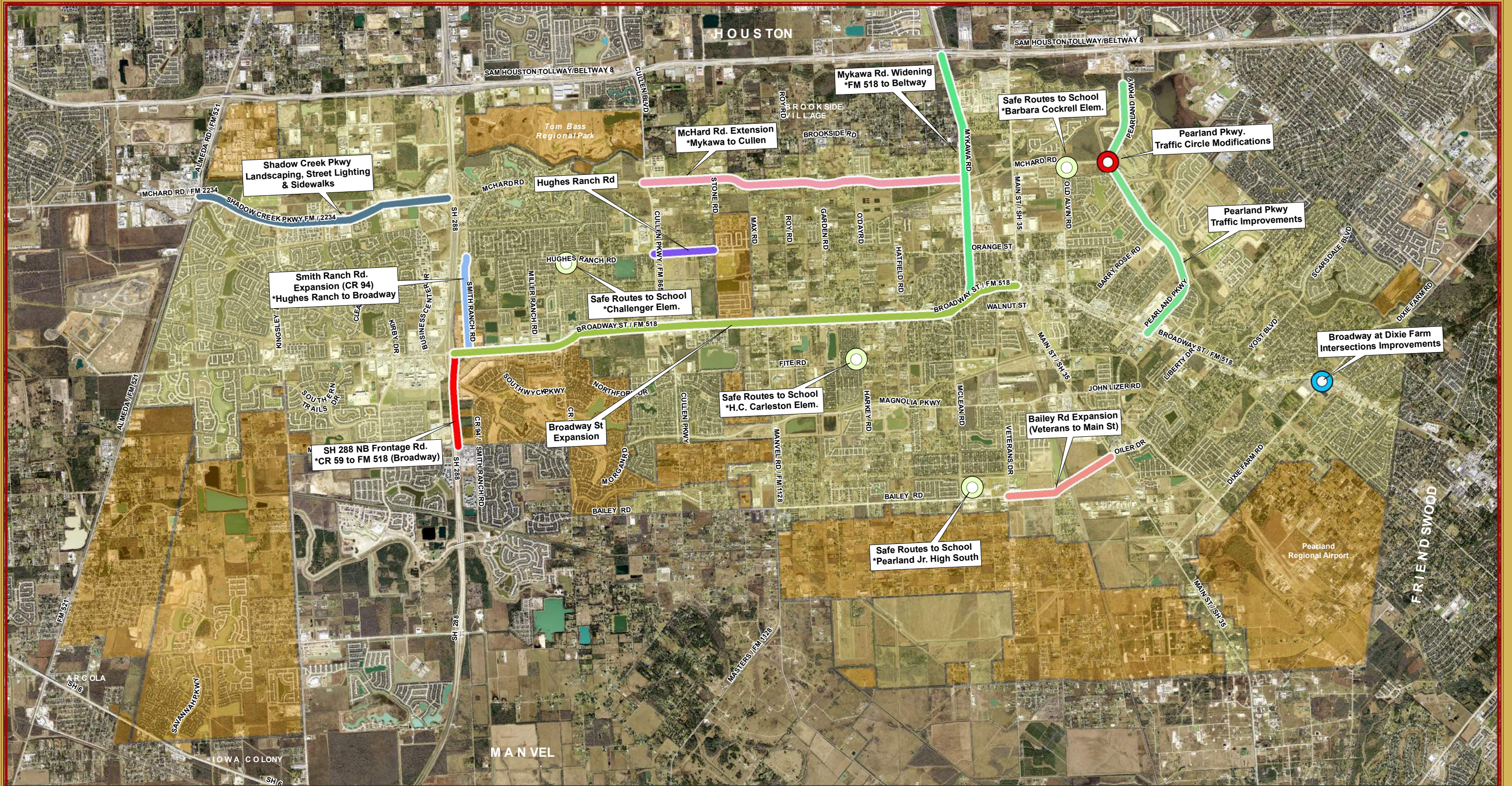
**CITY OF PEARLAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
STREETS**

Project No.	Project Name	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
TR0601	Mykawa Road Widening - BW8 to FM 518	3,608,723	2,904,000	9,055,580				15,568,303	11,959,580
TR1201	Hughes Ranch Road (CR 403) - Cullen to Smith Ranch	23,685,000						23,685,000	
TR1405	McHard Rd Extension - Mykawa Rd to Cullen Pkwy	10,130,000	41,854,500					51,984,500	41,854,500
TR1501	Smith Ranch Rd Expansion (CR 94) - Hughes Ranch to Broadway	3,065,591	5,225,000					8,290,591	5,225,000
TR1602	Safe Routes to School	420,000	3,342,000					3,762,000	3,342,000
TR1701	SH288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)	1,610,000	7,100,000					8,710,000	7,100,000
TR1802	Multi-Modal Master Plan	325,000						325,000	
TR1803	Intersection Improvements	970,000						970,000	
TR1804	Broadway at Dixie Farm Intersection Improve.	1,860,000						1,860,000	
TR1901	Street Reconstruction	225,000	2,850,000	2,420,000		930,000	4,450,000	10,875,000	10,650,000
TR1902	Pearland Parkway Traffic Improvements	145,000	979,000					1,124,000	979,000
TR1903	Pearland Parkway Traffic Circle Modifications	512,000	2,760,000					3,272,000	2,760,000
TR1904	Bailey Road Expansion - Veterans Dr to Main	1,135,000	225,000		18,185,000			19,545,000	18,410,000
TR1905	Shadow Creek Parkway Landscaping, Street Lighting & Sidewalks		915,000	6,225,000				7,140,000	7,140,000
TR2001	Intersection Improvements			750,000	220,000	1,280,000	750,000	3,000,000	3,000,000
TR2003	Sidewalk Extensions		205,237	932,464				1,137,701	1,137,701
TR2101	Broadway Expansion - SH 288 to SH 35				5,000,000			5,000,000	5,000,000
TR2103	Intersection Improvements (BCD/SCP, BCD/Broadway, etc)			858,920	7,163,740			8,022,660	8,022,660
TR2104	Major Thoroughfare Update		150,000	550,000				700,000	700,000
TR2105	Traffic Signal Upgrades Program		450,000	450,000		450,000	450,000	1,800,000	1,800,000
	TOTAL	47,691,314	68,959,737	21,241,964	30,568,740	2,660,000	5,650,000	176,771,755	129,080,441

SOURCE OF FUNDS	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
<i>Non-Debt Funded</i>								
General Revenue - Cash	2,000						2,000	
PEDC	750,000						750,000	
Other Funding Sources*	1,663,999	1,650,000					3,313,999	1,650,000
<i>Leveraged Outside Funds</i>								
TIRZ Reimbursable Debt		1,120,237	8,016,384	7,163,740			16,300,361	16,300,361
HGAC - TIP	21,749,818	34,058,428					55,808,246	34,058,428
<i>Tax Supported Debt (Debt Service Fund)</i>								
Certificates of Obligation	2,418,723	6,838,400	9,155,928	9,826,285	1,730,000	1,200,000	31,169,336	28,750,613
2007 General Obligation Bonds	18,119,774	11,072,744	4,449,295				33,641,813	15,522,039
2019 General Obligation Bonds		8,831,000	2,420,000	5,000,000	6,430,000	12,135,000	34,816,000	34,816,000
<i>Less Projects Appropriated in Previous Year</i>								<i>(2,017,000)</i>
TOTAL	44,704,314	63,570,809	24,041,607	21,990,025	8,160,000	13,335,000	175,801,755	129,080,441

Note: Totals may not tie by year, as the City sometimes appropriates funds for projects in one year and then sells the bonds in the next year.

*Other Funding Sources include fund balance, traffic fund, sidewalk fund, and county.



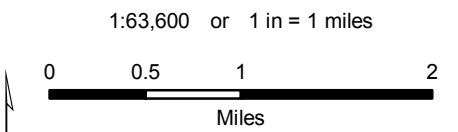
CITY OF PEARLAND

2020 - 2024

Capital Improvement Projects Streets

- | | | | | | |
|--|--|--|---|--|-------------------------------|
| | Safe Routes to School | | Broadway Expansion | | Smith Ranch Road Expansion |
| | Broadway at Dixie Farm Intersection Improvements | | Shadow Creek Pkwy Landscaping, Street Lighting & Sidewalk | | SH 288 Northbound Frontage Rd |
| | Pearland Pkwy Traffic Circle Modifications | | Bailey Rd Expansion | | City Limits |
| | Pearland Pkwy Traffic Improvements | | McHard Road Extension | | ETJ |
| | Hughes Ranch Road | | Mykawa Road Widening | | |

Projects Not Shown
 *Sidewalk Extensions
 *Street Reconstruction
 *Multi-Modal Master Plan
 *Intersection Improvements
 *Major Thoroughfare Update
 *Traffic Signal Upgrades Program



This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.


MAP PREPARED: JULY 2019
 CITY OF PEARLAND GIS DEPARTMENT

R2019-204 Adopted August 12, 2019


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Mykawa Road Widening - BW8 to FM 518				TR0601		Ongoing			
PROJECT DESCRIPTION				PROJECT IMAGE					
Construct approximately 3 miles of 4-lane concrete curb and gutter divided boulevard section roadway, including storm sewers, outfalls and detention, traffic signals and related items. Data from previous efforts will be incorporated into the design process. This project will require full environmental assessment and ROW acquisitions along the alignment. Installation of approximately 11,000' of fiber from FM 518 to intersection at Brookside Rd. Funding is an 80/20 split with TxDOT and TxDOT will let and construct project.									
PROJECT JUSTIFICATION									
This proposed roadway, included in the City's Thoroughfare Plan and one of the 2007 Bond Program, projects to alleviate traffic headed south from the Beltway 8 to FM 518. This roadway moves commercial/industrial truck traffic and fronts many developed commercial entities as well as future commercial lots.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$89,560	\$89,560	\$89,560				
Capital Outlay									
Total Expense			\$89,560	\$89,560	\$89,560				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report	\$108,723	\$108,723	\$108,723						\$108,723
Land/Right of Way	\$2,404,000	\$1,860,000		\$2,404,000					\$2,404,000
Design/Surveying	\$3,500,000	\$4,044,000	\$3,500,000						\$3,500,000
Construction	\$8,027,580				\$8,027,580				\$8,027,580
Equipment and Furniture									
Contingency	\$1,528,000	\$500,000		\$500,000	\$1,028,000				\$1,528,000
TOTAL COSTS	\$15,568,303	\$6,512,723	\$3,608,723	\$2,904,000	\$9,055,580	\$0	\$0	\$0	\$15,568,303
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash	\$2,000	\$2,000	\$2,000						\$2,000
Certificates of Obligation	\$4,715,008	\$108,723	\$108,723			\$4,606,285			\$4,715,008
2007 General Obligation Bonds	\$8,608,254	\$4,158,959	\$3,277,359	\$881,600	\$4,449,295				\$8,608,254
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP	\$2,237,680	\$2,237,680	\$215,280	\$2,022,400					\$2,237,680
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$5,361	\$5,361	\$5,361						\$5,361
TOTAL SOURCES	\$15,568,303	\$6,512,723	\$3,608,723	\$2,904,000	\$4,449,295	\$4,606,285	\$0	\$0	\$15,568,303
¹ Explain & Identify Type of Other Sources: Funds from Traffic Fund \$1,141 and Sidewalk Fund \$4,220. HGAC TIP estimated funding \$31,641,226 (construction managed by TxDOT and \$2,237,680 is for design and land managed by the City). Bonds sold - \$108,723 (CO's) prior to 2008, \$1,036,639 in 2017, and \$2,240,720 in 2018.									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Hughes Ranch Road (CR 403) - Cullen to Smith Ranch Road				TR1201					
PROJECT DESCRIPTION				PROJECT IMAGE					
Reconstruction of CR403 from Cullen to Smith Ranch Road from a two lane asphalt open ditch roadway to a four lane concrete curb and gutter boulevard for a distance of 2 miles. The project includes approximately 12,000 LF of Noise Barrier and installation of approximately 6,200' of fiber from Smith Ranch Rd. to Bryan Court.									
PROJECT JUSTIFICATION									
The roadway will provide enhanced safety and access to Dawson High School and Challenger Elementary School. In addition, it will enhance east/west mobility, provide an alternate corridor to Broadway, access to SH 288 and SH288 toll way, in conformance with the City Thoroughfare Plan.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$89,125	\$89,125	\$92,125	\$92,125				
Capital Outlay									
Total Expense		\$89,125	\$89,125	\$92,125	\$92,125				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$1,600,000	\$1,585,000	\$1,600,000						\$1,600,000
Design/Surveying	\$650,000	\$486,000	\$650,000						\$650,000
Construction	\$19,800,000	\$33,200,000	\$19,800,000						\$19,800,000
Equipment and Furniture									
Contingency	\$1,635,000	\$1,350,000	\$1,635,000						\$1,635,000
TOTAL COSTS	\$23,685,000	\$36,621,000	\$23,685,000	\$0	\$0	\$0	\$0	\$0	\$23,685,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds	\$9,057,609	\$9,983,253	\$9,057,609						\$9,057,609
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP	\$14,536,844	\$26,362,240	\$14,536,844						\$14,536,844
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$90,547	\$90,547	\$90,547						\$90,547
TOTAL SOURCES	\$23,685,000	\$36,436,040	\$23,685,000	\$0	\$0	\$0	\$0	\$0	\$23,685,000


¹Explain & Identify Type of Other Sources: Other includes \$90,547 from Traffic Fund in 2013. HGAC TIP Funds 80% of construction only up to \$26,362,240. Bonds sold - \$303,708 in 2013, \$1,065,000 in 2014, \$1,061,745 in 2016, and \$2,856,000 in 2018, and \$3,244,306 in 2019. \$526,850 transferred from Old Alvin in 2017.


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
McHard Road Extension (Mykawa Road to Cullen Parkway)				TR1405		Ongoing				
PROJECT DESCRIPTION				PROJECT IMAGE						
The extension of approximately 3.5 miles of McHard Road, from Cullen Parkway to Mykawa Road, consisting of a 4-lane, concrete, curb and gutter, divided roadway with raised medians and underground drainage. Includes storm sewers, outfalls and detention, five traffic signals at secondary thoroughfares and major collectors, sidewalks, street lighting and landscaping. This project will be coordinated with the McHard Road Trunk Sewer extension and McHard Road Water Line Extension. Run approximately 38,000' of fiber from Country Place Pkwy/Smith Ranch Road to SH 35/ Main St.										
PROJECT JUSTIFICATION										
This project is in accordance with the City's Thoroughfare Plan to alleviate traffic on FM518 by providing an alternate east/west route between SH288 and SH35. The project was selected by H-GAC to receive 80% federal funding for design and construction through the 2013 TIP. A design engineer has been selected, a contract negotiated and design is underway with a target of meeting a letting in 2019.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance			\$190,478	\$193,478	\$193,478					
Capital Outlay										
Total Expense			\$190,478	\$193,478	\$193,478					
FTE Staff Total										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way	\$5,800,000	\$4,125,581	\$5,000,000	\$800,000					\$5,800,000	
Design/Surveying	\$4,570,000	\$4,520,618	\$4,570,000						\$4,570,000	
Construction	\$39,630,580	\$33,526,552		\$39,630,580					\$39,630,580	
Equipment and Furniture										
Contingency	\$1,983,920	\$1,423,920	\$560,000	\$1,423,920					\$1,983,920	
TOTAL COSTS	\$51,984,500	\$43,596,671	\$10,130,000	\$41,854,500	\$0	\$0	\$0	\$0	\$51,984,500	
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
General Revenue - Cash										
Certificates of Obligation	\$7,405,928				\$7,405,928				\$7,405,928	
2007 General Obligation Bonds	\$11,585,041	\$10,756,550	\$3,734,778	\$7,850,263					\$11,585,041	
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP	\$32,580,531	\$32,580,531	\$5,982,222	\$26,598,309					\$32,580,531	
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -	\$413,000	\$413,000	\$413,000						\$413,000	
TOTAL SOURCES	\$51,984,500	\$43,750,081	\$10,130,000	\$34,448,572	\$7,405,928	\$0	\$0	\$0	\$51,984,500	
¹ Explain & Identify Type of Other Sources: HGAC TIP Funds in the amount of \$32,580,531 and \$413K of Lower Kirby reimbursement used pursuant to the notice of intent to issue CO's for engineering. Bonds sold - \$531,488 in 2014, \$238,566 in 2015, \$222,627 in 2016, and \$1,725,637 in 2017. \$1,016,382 transferred from Old Alvin in 2017.										


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Smith Ranch Road Extension (CR 94) - Hughes Ranch Road to Broadway				TR1501					
PROJECT DESCRIPTION				PROJECT IMAGE					
Expansion of Smith Ranch Road from 2-lane asphalt into divided 4-lane with raised medians, concrete curb and gutter, storm sewer, and landscaping. Limits are from Hughes Ranch Road, south approximately 3,250 LF to 2,040 LF north of Broadway. Run approximately 9,500' of fiber from FM 518 to McHard.									
PROJECT JUSTIFICATION									
Construction of the SH 288 Toll Lanes and the T-Ramp Access point at Hughes Ranch Road will increase traffic on this roadway. Demand for improved access to the toll lanes from Cullen Parkway and FM518 requires the expansion of this roadway. Project was selected by HGAC to receive 80% federal funding through the 2013 TIP.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance	\$14,308	\$30,047	\$34,857	\$36,599	\$38,429				
Capital Outlay									
Total Expense	\$14,308	\$30,047	\$34,857	\$36,599	\$38,429				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$1,100,000	\$816,803	\$1,100,000						\$1,100,000
Design/Surveying	\$1,164,500	\$1,000,000	\$1,164,500						\$1,164,500
Construction	\$5,226,000	\$4,850,000	\$51,091	\$5,225,000					\$5,276,091
Equipment and Furniture									
Contingency	\$800,000	\$800,000	\$750,000						\$750,000
TOTAL COSTS	\$8,290,500	\$7,466,803	\$3,065,591	\$5,225,000	\$0	\$0	\$0	\$0	\$8,290,591
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$823,697								
2007 General Obligation Bonds	\$3,567,121	\$3,567,121	\$2,050,028	\$2,340,881					\$4,390,909
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP	\$3,899,591	\$3,899,591	\$1,015,472	\$2,884,119					\$3,899,591
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$91	\$91	\$91						\$91
TOTAL SOURCES	\$8,290,500	\$7,466,803	\$3,065,591	\$5,225,000	\$0	\$0	\$0	\$0	\$8,290,591
¹ Explain & Identify Type of Other Sources: Includes HGAC TIP funds in the amount of \$3,899,591. Funding from the Traffic Improvement Funds totals \$91 in 2015. Bonds sold - \$114,700 in 2015, \$609,628 in 2017, and \$716,000 in 2018. \$609,700 transferred from Old Alvin in 2017.									


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Safe Routes to School Improvements				TR1602						
PROJECT DESCRIPTION				PROJECT IMAGE						
As identified in the Safe Routes to School Plan, sites may include the installation of sidewalks, crosswalk enhancements/improvements and other traffic control improvements. City staff has prioritized and produced cost estimates that include detailed scopes of work required and a project schedule. Improvements planned for H.C. Carleston Elementary, Barbara Cockrell Elementary and Junior High South. Challenger Elementary was identified but will be done with Hughes Ranch Rd project.										
PROJECT JUSTIFICATION										
Facilitate safe pedestrian mobility to schools and encourage reduced driving, traffic calming and other safety measures along these routes. Locations have been coordinated with the Safe Routes to School Study and street projects. Grant funding was included in 2015 TIP Call for Projects.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance				\$2,000	\$2,000					
Capital Outlay										
Total Expense				\$2,000	\$2,000					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report			\$50,000							
Land/Right of Way	\$190,000		\$140,000	\$190,000						\$190,000
Design/Surveying	\$230,000		\$230,000	\$230,000						\$230,000
Construction	\$3,192,000				\$3,192,000					\$3,192,000
Equipment and Furniture										
Contingency	\$150,000				\$150,000					\$150,000
TOTAL COSTS	\$3,762,000		\$420,000	\$420,000	\$3,342,000	\$0	\$0	\$0	\$0	\$3,762,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation	\$1,208,400		\$420,000		\$788,400					\$788,400
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP	\$2,553,600				\$2,553,600					\$2,553,600
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -				\$420,000						\$420,000
TOTAL SOURCES	\$3,762,000		\$420,000	\$420,000	\$3,342,000	\$0	\$0	\$0	\$0	\$3,762,000
¹ Explain & Identify Type of Other Sources: Includes HGAC Transportation Enhancement funds in the estimated amount of \$2,553,600. Fund 501 fund balance \$420K										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
SH 288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)				TR1701		3			
PROJECT DESCRIPTION				PROJECT IMAGE					
Construct a 3- lane concrete curb and gutter "urban" cross-section frontage road from County Road 59 to FM 518 (Broadway), northbound only, to include a U-Turn lane under the CR59 Overpass, to include access lane to SH 288 main lanes. Project includes right of way acquisition for detention pond. This project will include extension of City utilities under a separate project to be defined at a later date.									
PROJECT JUSTIFICATION									
Current traffic routes from the Silver Lake and Southfork and areas to the south must travel through these subdivisions along Smith Ranch (CR94) to access Broadway and commercial areas in the southeast quadrant of SH 288 and Broadway. This frontage road would provide an alternate route to access these locations and 288 main lanes. Additionally, the frontage road would open up prime commercial frontage along SH 288 between CR59 and Broadway to development and will reduce traffic on Broadway. The City is working with Brazoria County to accelerate the project by adding the project to the SH288 Toll Lane project. This will take advantage of the bid prices for the larger toll lane project resulting in a significant cost savings and time savings. The City will fund the design and the County will share the construction costs with the City. This will accelerate the project by approximately 6 years with a target completion date of late 2020.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance				\$2,000	\$2,000				
Capital Outlay									
Total Expense				\$2,000	\$2,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$610,000	\$610,000	\$610,000						\$610,000
Design/Surveying	\$800,000	\$900,000	\$800,000						\$800,000
Construction	\$6,710,000	\$3,804,348		\$6,710,000					\$6,710,000
Equipment and Furniture									
Contingency	\$590,000	\$570,652	\$200,000	\$390,000					\$590,000
TOTAL COSTS	\$8,710,000	\$5,885,000	\$1,610,000	\$7,100,000	\$0	\$0	\$0	\$0	\$8,710,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$6,460,000	\$3,635,000	\$450,000	\$5,600,000					\$6,050,000
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC	\$750,000	\$750,000	\$750,000						\$750,000
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$1,500,000	\$1,500,000	\$410,000	\$1,500,000					\$1,910,000
TOTAL SOURCES	\$8,710,000	\$5,885,000	\$1,610,000	\$7,100,000	\$0	\$0	\$0	\$0	\$8,710,000
*Explain & Identify Type of Other Sources: PEDC is contributing \$450K towards the project. Potential Brazoria County interlocal share \$1.5M. Bonds sold - \$450,000 in 2017. Fund 501 fund balance \$410K									


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Multi-Modal Master Plan				TR1802		7				
PROJECT DESCRIPTION				PROJECT IMAGE						
A long range mobility plan focusing on the Trail Master Plan and sidewalk gap analysis. Addressing future and existing needs for the City's trails, sidewalks (ensuring ADA compliance), bicycle, pedestrian and wayfinding needs. The Multi-Modal Master Plan is intended to incorporate the Trail Master Plan and Sidewalk Program to create a continuous, safety-oriented system of sidewalks, bikeways, greenways, and trails in and around the City.										
PROJECT JUSTIFICATION										
Provides a means to identify modes of transportation in a comprehensive plan in order to plan for land and right of way acquisition, identify future capital projects, and develop strategies to implement new policies and procedures. The goal is to provide convenient access to schools, activity centers, transit routes, parks, and other recreation areas, increasing residents' mobility choices while reducing reliance on Single Occupancy Vehicles.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$325,000	\$400,000	\$325,000						\$325,000
Construction										
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$325,000	\$400,000	\$325,000	\$0	\$0	\$0	\$0	\$0	\$325,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -		\$325,000	\$400,000	\$325,000						\$325,000
TOTAL SOURCES		\$325,000	\$400,000	\$325,000	\$0	\$0	\$0	\$0	\$0	\$325,000
*Explain & Identify Type of Other Sources: FY 2019 - \$163K Fund 501 fund balance and \$162K from park development funds										

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Intersection Improvements - Windward Bay/Broadway, Oakridge/Pearland Parkway, and Long Oak/Dixie Farm				TR1803		5				
PROJECT DESCRIPTION				PROJECT IMAGE						
This project will provide the installation of a traffic signal located at the intersection of Windward Bay and Broadway. A south bound left turn bay will be constructed at Pearland Parkway and Oakridge Dr. along with a left turn bay at Dixie Farm Rd near Long Oak Dr.										
PROJECT JUSTIFICATION										
During the speed study that was conducted along Broadway a review of vehicular crash data was reviewed at this intersection. Additionally, a traffic signal warrant study was conducted. This information has determined that the need for a signal at this intersection is warranted. This will assist in providing safe vehicular movements. The left turn bays for Pearland Parkway and Dixie Farm road will provide vehicles turning left a safe location to get out of these heavily traveled roads and not impede through traffic.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance		\$2,000	\$2,000	\$2,000	\$2,000					
Capital Outlay										
Total Expense		\$2,000	\$2,000	\$2,000	\$2,000					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$100,000	\$90,000	\$100,000						\$100,000
Construction		\$750,000	\$600,000	\$750,000						\$750,000
Equipment and Furniture										
Contingency		\$120,000	\$60,000	\$120,000						\$120,000
TOTAL COSTS		\$970,000	\$750,000	\$970,000	\$0	\$0	\$0	\$0	\$0	\$970,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$970,000	\$750,000	\$970,000						\$970,000
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$970,000	\$750,000	\$970,000	\$0	\$0	\$0	\$0	\$0	\$970,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Intersection Improvements (Broadway at Dixie Farm)				TR1804		5				
PROJECT DESCRIPTION				PROJECT IMAGE						
With the continuous development in the City, the result has been a change on the traffic patterns and counts. This has resulted in intersections encountering increasing traffic flows more than they were originally constructed to handle resulting in increasing congestion and raising safety concerns. The rapidly changing traffic patterns has resulted in a "reactive" effort aimed at modifying intersection geometry or signalization to address these conditions as they occur. The 2015 Traffic Management Plan identifies short term intersection improvements throughout the city. Broadway at Dixie Farm dual left turn lanes in all directions is a high priority intersection.										
PROJECT JUSTIFICATION										
The 2013 citizen's survey, made apparent citizens are concerned with traffic and congestion issues. This project will allow the city to fund the project to address their concerns and the needs of the City to maintain or improve mobility efficiency throughout the City, while improving safety.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance	\$3,200	\$3,200	\$5,200	\$5,200	\$5,200					
Capital Outlay										
Total Expense	\$3,200	\$3,200	\$5,200	\$5,200	\$5,200					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way		\$350,000	\$50,000	\$350,000						\$350,000
Design/Surveying		\$210,000	\$200,000	\$210,000						\$210,000
Construction		\$1,180,000	\$1,180,000	\$1,180,000						\$1,180,000
Equipment and Furniture										
Contingency		\$120,000	\$80,000	\$120,000						\$120,000
TOTAL COSTS		\$1,860,000	\$1,510,000	\$1,860,000	\$0	\$0	\$0	\$0	\$0	\$1,860,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$1,860,000	\$1,510,000	\$1,860,000						\$1,860,000
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$1,860,000	\$1,510,000	\$1,860,000	\$0	\$0	\$0	\$0	\$0	\$1,860,000
¹ Explain & Identify Type of Other Sources: Bonds sold - \$290,000 in 2018 and \$1,570,000 in 2019.										


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Street Reconstruction					TR1901		4			
PROJECT DESCRIPTION					PROJECT IMAGE					
<p>This project consists of the reconstruction of concrete neighborhood streets throughout the City. The reconstruction projects are based on priorities derived from the Right-of-Way Assessment and resulting Pavement Condition Index (PCI). The streets or neighborhoods identified include: FY 19 Linwood Oak and Orange Circle, FY 20 - 21 Sleepy Hollow subdivision and FY 22 - 23 Sherwood subdivision. The performance of the drainage system in these areas will be reviewed and any identified drainage improvements will be included. Additionally, the utilities will be reviewed and upgraded as necessary in advance of the roadway reconstruction. The projects will replace existing concrete pavement with new concrete pavement in of the identified neighborhoods.</p>										
PROJECT JUSTIFICATION										
<p>In 2015 the City Council was presented with the results of the Rights of Way Assessment Program Study which showed the current pavement condition index (PCI) rating score to be at 76/100. To maintain the current score of 76 requires an annual investment of \$3.75 million (2014 dollars). This recurring portion of the pavement program will focus on the reconstruction of the streets identified in the Assessment as requiring reconstruction. The other portion of the program will focus on the maintenance of streets through the operating budget.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance	\$3,500	\$3,500	\$3,500	\$3,500	\$3,500					
Capital Outlay										
Total Expense	\$3,500	\$3,500	\$3,500	\$3,500	\$3,500					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$1,900,000		\$225,000	\$845,000			\$830,000		\$1,900,000
Construction		\$8,470,000			\$1,850,000	\$2,320,000			\$4,300,000	\$8,470,000
Equipment and Furniture										
Contingency		\$505,000			\$155,000	\$100,000		\$100,000	\$150,000	\$505,000
TOTAL COSTS		\$10,875,000	\$0	\$225,000	\$2,850,000	\$2,420,000	\$0	\$930,000	\$4,450,000	\$10,875,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds		\$10,875,000			\$3,075,000	\$2,420,000		\$930,000	\$4,450,000	\$10,875,000
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$10,875,000	\$0	\$0	\$3,075,000	\$2,420,000	\$0	\$930,000	\$4,450,000	\$10,875,000
¹ Explain & Identify Type of Other Sources: Project to carryover to 2023										


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Pearland Parkway Traffic Improvements					TR1902		1		
PROJECT DESCRIPTION					PROJECT IMAGE				
This project consists of the installation of a traffic signal and intersection improvements at the intersection of Pearland Parkway and Forest Park Lane/Summit Springs Lane. Directional pedestrian ramps and crosswalks across Pearland Parkway will be included. Left turn bays on the minor-street approaches will be striped. A fiber optic line will be installed from Old Alvin Road to Barry Rose along Pearland Parkway to connect the new signal and the signal at Barry Rose to the Traffic Management System.									
PROJECT JUSTIFICATION									
Accident reports dating back to 2013 indicated the need for the reduction of uncontrolled left turn movements along the entire corridor. The corridor was intended to operate without traffic signals, however development along the corridor has required needed additional signals and has reduced the viability of the superstreet concept thus making a signal more efficient and cost effective. These modifications provide that reduction of unprotected left turn movements and will reduce the number of entering left turns.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$125,000		\$125,000						\$125,000
Construction	\$859,000			\$859,000					\$859,000
Equipment and Furniture									
Contingency	\$140,000		\$20,000	\$120,000					\$140,000
TOTAL COSTS	\$1,124,000	\$0	\$145,000	\$979,000	\$0	\$0	\$0	\$0	\$1,124,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$1,124,000			\$1,124,000					\$1,124,000
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,124,000	\$0	\$0	\$1,124,000	\$0	\$0	\$0	\$0	\$1,124,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Pearland Parkway Traffic Circle Modifications				TR1903		2			
PROJECT DESCRIPTION				PROJECT IMAGE					
Design and construct improvements to the existing rotary traffic circle at the intersection of Pearland Parkway and McHard to provide a more conventional geometry with a two lane roundabout with an outside by-pass lane designed for higher speeds for the right-turn movements. The project will also install sidewalks to connect existing gaps and provide pedestrian connectivity.									
PROJECT JUSTIFICATION									
Reconfiguration of the traffic rotary will improve traffic flows by providing for higher speed by-pass movements that result in a right existing movement and reduce conflicts resulting from the existing two lane configuration. Analysis of accident reports from this area of the Parkway indicate that these changes will reduce injury accidents without adding traffic signals that impede traffic flows adding time to the commute.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$4,000	\$4,000	\$4,000				
Capital Outlay									
Total Expense			\$4,000	\$4,000	\$4,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$440,000		\$440,000						\$440,000
Construction	\$2,360,000			\$2,360,000					\$2,360,000
Equipment and Furniture									
Contingency	\$472,000		\$72,000	\$400,000					\$472,000
TOTAL COSTS	\$3,272,000	\$0	\$512,000	\$2,760,000	\$0	\$0	\$0	\$0	\$3,272,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$3,272,000			\$3,272,000					\$3,272,000
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$3,272,000	\$0	\$0	\$3,272,000	\$0	\$0	\$0	\$0	\$3,272,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Bailey Road Expansion (Veterans Dr to Main)				TR1904						
PROJECT DESCRIPTION				PROJECT IMAGE						
This project consists of widening the current two-lane roadway to a four-lane lane boulevard section to match the existing roadway cross-section to the east and west. The project will include the addition of a new above grade crossing over the railroad to achieve the desired ultimate width as required in the Thoroughfare Plan. The widening will also include drainage improvements to address the road widening. This will be to provide improved vehicular mobility in the east/west corridors by having a four-lane boulevard from HWY 35 to SH288. The project has been submitted to H-GAC for TIP Funding.										
PROJECT JUSTIFICATION										
Bailey Rd is identified as a Major Thoroughfare on the City's Thoroughfare plan. This section is to widen the current lane configuration to ultimate width and match the previous Bailey Rd projects. The project will improve traffic reliability along the corridor, and overall mobility throughout the City.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
				<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance		\$6,400	\$6,400	\$10,400	\$10,400					
Capital Outlay										
Total Expense		\$6,400	\$6,400	\$10,400	\$10,400					
FTE Staff Total										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way	\$100,000			\$100,000					\$100,000	
Design/Surveying	\$1,260,000		\$1,135,000						\$1,135,000	
Construction	\$18,185,000					\$18,185,000			\$18,185,000	
Equipment and Furniture										
Contingency				\$125,000					\$125,000	
TOTAL COSTS	\$19,545,000	\$0	\$1,135,000	\$225,000	\$0	\$18,185,000	\$0	\$0	\$19,545,000	
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds	\$19,545,000			\$1,360,000		\$5,000,000	\$5,500,000	\$7,685,000	\$19,545,000	
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$19,545,000	\$0	\$0	\$1,360,000	\$0	\$5,000,000	\$5,500,000	\$7,685,000	\$19,545,000	
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Shadow Creek Parkway Landscaping, Street Lighting & Sidewalks					TR1905				
PROJECT DESCRIPTION					PROJECT IMAGE				
This project will provide enhanced landscaping, street lighting and continuous sidewalks along the Shadow Creek Parkway Corridor from SH288 to FM521. This will provide safe travel to vehicular traffic and pedestrians that will travel from the residential areas to the commercial areas.									
PROJECT JUSTIFICATION									
The Shadow Creek Parkway is one of the City's major thoroughfares that provides east/west citizen movement from SH288 to FM521. This road is utilized by the SCR residents as a major travel route and providing landscaping, street light enhancements and continuous sidewalks will provide additional safety to travel. Additionally, Shadow Creek Parkway provides access to the Lower Kirby Business district and as those business continue to grow save travel to them is important.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$725,000	\$725,000		\$725,000					\$725,000
Construction	\$5,225,000				\$5,225,000				\$5,225,000
Equipment and Furniture									
Contingency	\$1,190,000	\$190,000		\$190,000	\$1,000,000				\$1,190,000
TOTAL COSTS	\$7,140,000	\$915,000	\$0	\$915,000	\$6,225,000	\$0	\$0	\$0	\$7,140,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt	\$7,140,000	\$915,000		\$915,000	\$6,225,000				\$7,140,000
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$7,140,000	\$915,000	\$0	\$915,000	\$6,225,000	\$0	\$0	\$0	\$7,140,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Intersection Improvements					TR2001		5			
PROJECT DESCRIPTION					PROJECT IMAGE					
<p>Continuous development in the City has resulted in changes to traffic patterns and counts. Intersections are encountering increased traffic flows more than they were originally constructed to handle resulting in increasing congestion and heightened safety concerns. The rapidly changing traffic patterns has resulted in a "reactive" effort aimed at modifying intersection geometry or signalization to address these conditions as they occur. The 2015 Traffic Management Plan identifies short term intersection improvements throughout the city. Broadway at Pearland Parkway Northbound dual left turn lanes and additional right turn lanes north and south bound is scheduled for reconfiguration in 2021. Pearland Parkway at Barry Rose Rd dual left turn lanes and dedicated right turn lanes in 2022-2023. McHard at Cullen Parkway dual eastbound left turn lanes and westbound dedicated right turn lanes in 2024.</p>										
PROJECT JUSTIFICATION										
<p>The 2013 citizen's survey, made apparent citizens are concerned with traffic and congestion issues. This project will allow the city to fund the project to address their concerns and the needs of the City to maintain or improve mobility efficiency throughout the City, while improving safety. The City had success with a similar project on the southbound lanes at Pearland Parkway and Broadway.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$360,000				\$90,000	\$180,000		\$90,000	\$360,000
Construction		\$2,480,000				\$620,000		\$1,240,000	\$620,000	\$2,480,000
Equipment and Furniture										
Contingency		\$160,000				\$40,000	\$40,000	\$40,000	\$40,000	\$160,000
TOTAL COSTS		\$3,000,000	\$0	\$0	\$0	\$750,000	\$220,000	\$1,280,000	\$750,000	\$3,000,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$3,000,000				\$750,000	\$220,000	\$1,280,000	\$750,000	\$3,000,000
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$3,000,000	\$0	\$0	\$0	\$750,000	\$220,000	\$1,280,000	\$750,000	\$3,000,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Shadow Creek Ranch Sidewalk Extensions					TR2003					
PROJECT DESCRIPTION					PROJECT IMAGE					
The project is to increase connectivity of sidewalks along thoroughfares and collector roads within the Shadow Creek Development by adding approximately 19,500 feet of 6 foot wide sidewalk.										
PROJECT JUSTIFICATION										
To provide safe multi-modal mobility and connectivity for pedestrians along thoroughfares and collector roads.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance					\$1,500					
Capital Outlay										
Total Expense					\$1,500					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$115,620			\$115,620					\$115,620
Construction		\$832,464				\$832,464				\$832,464
Equipment and Furniture										
Contingency		\$189,617			\$89,617	\$100,000				\$189,617
TOTAL COSTS		\$1,137,701	\$0	\$0	\$205,237	\$932,464	\$0	\$0	\$0	\$1,137,701
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt		\$1,137,701			\$205,237	\$932,464				\$1,137,701
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$1,137,701	\$0	\$0	\$205,237	\$932,464	\$0	\$0	\$0	\$1,137,701
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Broadway Expansion - SH 288 to SH 35					TR2101				
PROJECT DESCRIPTION					PROJECT IMAGE				
This project widens Broadway from the intersection with State Highway 288 to State Highway 35. The project will provide three lanes each direction, raised medians, new signals and additional turn lanes where required for traffic management purposes. Relocation of City owned utilities within the right of way will be at City's cost. Construction will likely be phased with the first phase from SH288 to Cullen and the second phase from Cullen to the eastern terminus.									
PROJECT JUSTIFICATION									
Traffic counts between SH 288 and Cullen and rapid growth within this segment of Broadway warrant the expansion of this major artery. Reconfiguration will add capacity to assist traffic movements towards accessing both State Highway 288 and State Highway 288 toll lanes via both Broadway and Smith Ranch Road while relieving congestion along major commercial frontages.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$28,800	\$118,089	\$118,089				
Capital Outlay									
Total Expense			\$28,800	\$118,089	\$118,089				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$5,000,000					\$5,000,000			\$5,000,000
Design/Surveying									
Construction									
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$5,000,000	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$0	\$5,000,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$5,000,000					\$5,000,000			\$5,000,000
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$5,000,000	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$0	\$5,000,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Intersection Improvements in Shadow Creek Ranch					TR2103				
PROJECT DESCRIPTION					PROJECT IMAGE				
This project will be to provide intersection improvements to help reduce vehicular congestion and improve mobility throughout the business & residential area. Improvements include the installation of dual lefts at several intersections along Shadow Creek Parkway and traffic signal at Kirby/Discovery Bay.									
PROJECT JUSTIFICATION									
Shadow Creek Parkway and Broadway are some of the most heavily traveled roads and as the Shadow Creek Development and business continue to grow the traffic has increased. Dual left turn lanes on Shadow Creek Parkway will provide increased left turn movement reducing the back up on the main lanes and will provide additional capacity to reduce vehicular congestion.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$200,000				\$200,000				\$200,000
Design/Surveying	\$599,250				\$599,250				\$599,250
Construction	\$6,213,740					\$6,213,740			\$6,213,740
Equipment and Furniture									
Contingency	\$1,009,670				\$59,670	\$950,000			\$1,009,670
TOTAL COSTS	\$8,022,660	\$0	\$0	\$0	\$858,920	\$7,163,740	\$0	\$0	\$8,022,660
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt	\$8,022,660				\$858,920	\$7,163,740			\$8,022,660
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$8,022,660	\$0	\$0	\$0	\$858,920	\$7,163,740	\$0	\$0	\$8,022,660
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Major Thoroughfare Update					TR2104				
PROJECT DESCRIPTION					PROJECT IMAGE				
The update to the thoroughfare plan will include the redevelopment of a local and regional travel demand model capitalizing on the population data from the 2020 census. The travel demand model will then be used to analyze and refine the City's existing thoroughfare plan to identify areas of need.									
PROJECT JUSTIFICATION									
The Thoroughfare Plan (Plan) is a transportation planning tool that identifies and classifies thoroughfares in the city that will support the City's development goals and mobility along with connectivity throughout the City. The plan is instrumental in identifying and prioritizing projects for the 5-year Capital Improvement Program (CIP). The City's objective is to amend the Plan periodically based on development activity, land use studies, environmental issues, etc.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$550,000			\$150,000	\$550,000				\$700,000
Construction									
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$550,000	\$0	\$0	\$150,000	\$550,000	\$0	\$0	\$0	\$700,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$550,000				\$550,000				\$550,000
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$150,000			\$150,000					\$150,000
TOTAL SOURCES	\$700,000	\$0	\$0	\$150,000	\$550,000	\$0	\$0	\$0	\$700,000
¹ Explain & Identify Type of Other Sources: Fund 500 fund balance \$150K									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Traffic Signal Upgrades Program					TR2105				
PROJECT DESCRIPTION					PROJECT IMAGE				
The Traffic Signal update will include replacement of the existing outdated signal equipment to conform to the City of Pearland specifications. Budget for each intersection includes upgrading the traffic detection, traffic controller and conflict monitor, and the labor required for installation.									
PROJECT JUSTIFICATION									
The City's existing traffic signal detection is outdated and the interface is no-longer supported by newer computer systems. The new standard provide increased efficiency by reducing operations and maintenance costs, as well as providing additional functionality vital to the improvement of the City's infrastructure.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$2,250,000			\$450,000	\$450,000		\$450,000	\$450,000	\$1,800,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$2,250,000	\$0	\$0	\$450,000	\$450,000	\$0	\$450,000	\$450,000	\$1,800,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$2,250,000			\$450,000	\$450,000		\$450,000	\$450,000	\$1,800,000
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$2,250,000	\$0	\$0	\$450,000	\$450,000	\$0	\$450,000	\$450,000	\$1,800,000
¹ Explain & Identify Type of Other Sources:									

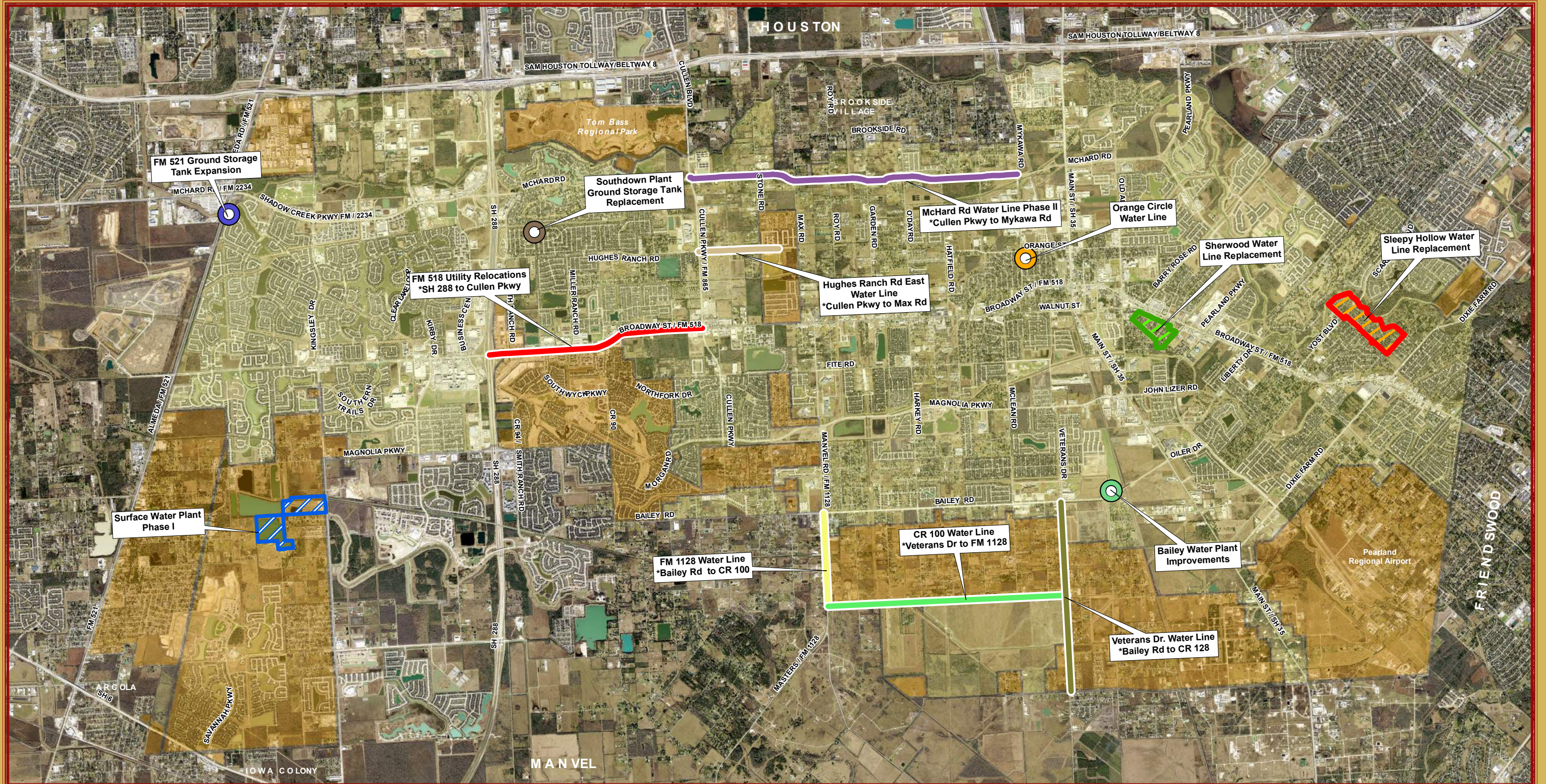
**CITY OF PEARLAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
WATER**

Project No.	Project Name	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
WA1601	McHard Rd. Waterline Phase II - Cullen Pkwy to Mykawa Rd	5,936,000						5,936,000	
WA1605	Surface Water Plant Phase 1 (10 MGD)	43,275,000	135,125,000					178,400,000	135,125,000
WA1701	FM 521 Ground Storage Tank Expansion	5,825,000						5,825,000	
WA1702	Water Meter Changeout	18,000,000						18,000,000	
WA1801	Underground Piping Infrastructure at Water Production Facilities	250,000						250,000	
WA1802	Water Quality/Transite Pipe Water Line	1,000,000						1,000,000	
WA1803	FM 1128 Waterline - Bailey to CR 100	125,000						125,000	
WA1804	CR 100 Waterline - Veterans Dr to FM 1128	250,000						250,000	
WA1805	Veterans Dr. Waterline - Bailey Rd. to CR 128	225,000						225,000	
WA1901	Bailey Water Plant Improvements	4,860,000						4,860,000	
WA1902	Underground Piping Infrastructure at Water Production Facilities	250,000						250,000	
WA1903	Transite Pipe Waterline Replacement Program	1,082,339						1,082,339	
WA1904	Southdown Plant Ground Storage Tank Replacement	350,000	2,350,000					2,700,000	2,350,000
WA1906	Water Quality Program	380,000						380,000	
WA1907	Orange Circle Waterline	240,000						240,000	
WA2001	Underground Piping Infrastructure at Water Production Facilities		250,000	250,000	250,000	250,000	250,000	1,250,000	1,250,000
WA2002	Transite Pipe Waterline Replacement Program		1,000,000	5,000,000	5,000,000	5,000,000	5,000,000	21,000,000	21,000,000
WA2003	Water Quality Program		580,000	850,000	850,000	850,000	850,000	3,980,000	3,980,000
WA2004	Sleepy Hollow Waterline		60,000	420,000				480,000	480,000
WA2101	Elevated Storage Tank Rehabilitation			1,125,000	1,125,000	1,125,000	1,125,000	4,500,000	4,500,000
WA2102	Ground Storage Tank Rehabilitation			2,200,000	2,200,000	2,200,000	2,200,000	8,800,000	8,800,000
WA2103	Hughes Ranch Road East Waterline Ph II			790,000	1,956,000			2,746,000	2,746,000
WA2201	Sherwood Waterline Replacement				200,000	1,090,000		1,290,000	1,290,000
WA2202	Unwatered Areas within the City Limits				1,000,000	1,000,000	1,000,000	3,000,000	3,000,000
WA2203	FM 518 Utility Relocations				500,000	3,150,000		3,650,000	3,650,000
	TOTAL	\$ 82,048,339	\$ 139,365,000	\$ 10,635,000	\$ 13,081,000	\$ 14,665,000	\$ 10,425,000	\$ 270,219,339	\$ 188,171,000

SOURCE OF FUNDS	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
<i>Non-Debt Funded</i>								
System Revenues - Cash	4,809,610	1,890,000	1,915,000	1,800,000	1,100,000	1,100,000	12,614,610	7,805,000
Impact Fees - Cash	3,099,585	-	395,000	978,000	-	-	4,472,585	1,373,000
Other Funding Sources*	434,864	-	-	-	-	-	434,864	-
<i>Water/Sewer Supported Debt (Enterprise Fund)</i>								
W/S Revenue Bonds	48,688,390	56,150,000	8,325,000	24,865,500	13,565,000	9,325,000	160,918,890	112,230,500
Impact Fees - Debt	23,415,890	53,800,000	-	14,562,500	-	-	91,778,390	68,362,500
<i>Less Projects Appropriated in Previous Year</i>							-	(1,600,000)
TOTAL	\$ 80,448,339	\$ 111,840,000	\$ 10,635,000	\$ 42,206,000	\$ 14,665,000	\$ 10,425,000	\$ 270,219,339	\$ 188,171,000

Note: Totals may not tie by year, as the City sometimes appropriates funds for projects in one year and then sells the bonds in the next year.

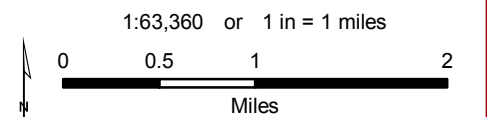
*Other Funding Sources include fund balance.



CITY OF PEARLAND
2020 - 2024
Capital Improvement Projects
Water

- CR 100 Water Line
- FM 1128 Water Line
- FM 518 Utility Relocations (SH288 to Cullen Pkwy)
- Hughes Ranch Road East Water Line Phase II
- McHard Road Water Line Phase II
- Veterans Drive Water Line
- Bailey Water Plant Improvements
- FM 521 Ground Storage Tank Expansion
- Orange Circle Water Line
- Southdown Plant Ground Storage Tank Replacement
- ▭ Sherwood Waterline Replacement
- ▭ Sleepy Hollow Waterline
- ▭ Surface Water Plant Phase I
- City Limits
- ▭ ETJ

Projects Not Shown
 *Water Quality Program
 *Water Meter Changeout
 *Transite Pipe Water Line Replacement Program
 *Underground Piping Infrastructure at Water Facilities
 *Elevated & Ground Storage Tank Rehabilitation
 *Unwatered Areas within the City Limits

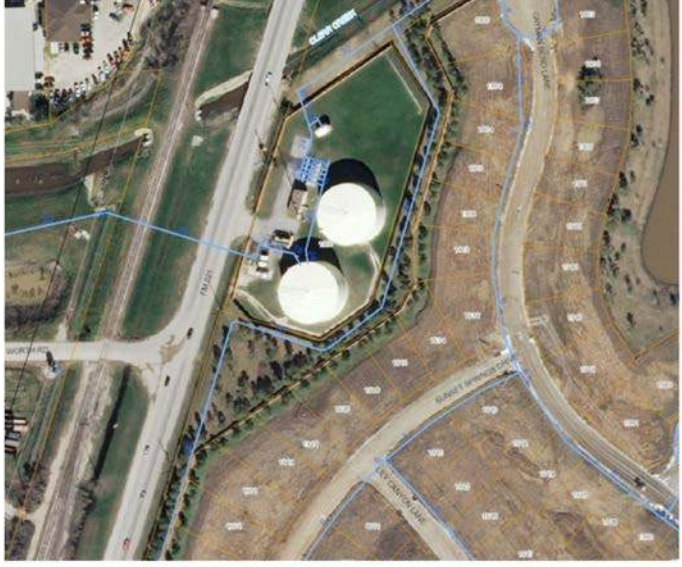



This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.


MAP PREPARED: JULY 2019
 CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
McHard Rd. Water Line Phase II - Cullen Parkway to Mykawa Road					WA1601		Ongoing		
PROJECT DESCRIPTION					PROJECT IMAGE				
Phase II of the distribution line extends from Cullen Parkway to Mykawa Road a total of approximately 17,500 linear feet. This portion of the project is timed to coincide with Right of Way approval and acquisition for the McHard Road project.									
PROJECT JUSTIFICATION									
This will be the second segment completing the transmission connection between the east and west sides of the City. It will allow for more efficient water flow, better fire protection and the movement of water from the expanded Alice Street Water Plant. This will reduce monthly average payments for water supplied to the west side from the Far North West plant where purchase prices are much higher.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance	\$1,000	\$1,000	\$2,500	\$2,500	\$2,500				
Capital Outlay									
Total Expense	\$1,000	\$1,000	\$2,500	\$2,500	\$2,500				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$116,000	\$116,000	\$116,000						\$116,000
Construction	\$4,850,000	\$5,885,700	\$4,850,000						\$4,850,000
Equipment and Furniture									
Contingency	\$970,000	\$1,154,158	\$970,000						\$970,000
TOTAL COSTS	\$5,936,000	\$7,155,858	\$5,936,000	\$0	\$0	\$0	\$0	\$0	\$5,936,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$2,578,390	\$2,968,240	\$2,578,390						\$2,578,390
System Revenue - Cash	\$339,610	\$339,610	\$339,610						\$339,610
Impact Fees - Cash	\$339,610	\$339,610	\$339,610						\$339,610
Impact Fees - Debt	\$2,578,390	\$2,868,240	\$2,578,390						\$2,578,390
Other Funding Sources ¹ -	\$100,000	\$640,158	\$100,000						\$100,000
TOTAL SOURCES	\$5,936,000	\$7,155,858	\$5,936,000	\$0	\$0	\$0	\$0	\$0	\$5,936,000
¹ Explain & Identify Type of Other Sources: Fund 550 fund balance (\$100,000). \$5,836,480 sold in 2017.									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Surface Water Plant Phase 1 (10 MGD)				WA1605		Ongoing			
PROJECT DESCRIPTION				PROJECT IMAGE					
<p>Pilot testing, design, and construction of a pre-sedimentation basin, 10 MGD Surface Water Treatment Plant and associated distribution system. This project will treat raw water from the Gulf Coast Water Authority (GCWA) canal for distribution throughout the City's water system. The plant will be located on City property on CR48 south of CR59, which is adjacent to the GCWA canal. Pilot testing began in FY2018 and will be followed by design and construction. The project is scheduled to be completed over a five year period with new capacity available by 2022/2023. Phase 1 of the distribution system is planned to include 24" - 36" pipelines from the Surface Water Plant to the FM 521 and FM 1128 corridors. Installation of fiber to serve the City's SCADA system.</p>									
PROJECT JUSTIFICATION									
<p>The project will provide additional potable water capacity to meet demands of northern Brazoria County as the region continues to grow. The 2012 Water Model Update based on growth projections established that the demand for an additional 10 MGD would need to be met by 2022/2023.</p>									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services		\$179,220	\$184,597	\$554,013	\$784,480				
Operation & Maintenance		\$8,238	\$4,969	\$430,042	\$2,556,065				
Capital Outlay		\$20,630		\$19,871					
Total Expense		\$208,087	\$189,566	\$1,003,926	\$3,340,545				
FTE Staff Total		3.0		6.0	4.0				
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report	\$9,400,000	\$9,300,000	\$9,400,000						\$9,400,000
Land/Right of Way	\$1,900,000	\$900,000	\$1,900,000						\$1,900,000
Design/Surveying	\$12,000,000	\$16,600,000	\$12,000,000						\$12,000,000
Construction	\$145,000,000	\$11,525,000	\$18,475,000	\$126,525,000					\$145,000,000
Equipment and Furniture									
Contingency	\$10,100,000	\$3,350,000	\$1,500,000	\$8,600,000					\$10,100,000
TOTAL COSTS	\$178,400,000	\$41,675,000	\$43,275,000	\$135,125,000	\$0	\$0	\$0	\$0	\$178,400,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$89,200,000	\$22,921,250	\$20,837,500	\$53,800,000		\$14,562,500			\$89,200,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt	\$89,200,000	\$18,753,750	\$20,837,500	\$53,800,000		\$14,562,500			\$89,200,000
Other Funding Sources ¹ -									
TOTAL SOURCES	\$178,400,000	\$41,675,000	\$41,675,000	\$107,600,000	\$0	\$29,125,000	\$0	\$0	\$178,400,000
¹ Explain & Identify Type of Other Sources: Project R in 2017 impact fee update (45% of cost). DWSRF Grant (Drinking Water Drinking State Revolving Fund) \$149,275,000. Bonds sold - \$12,025,000 in 2017, \$8,650,000 in 2018, and \$21,000,000 in 2019.									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
FM 521 Ground Storage Tank Expansion				WA1701		Ongoing			
PROJECT DESCRIPTION				PROJECT IMAGE					
The proposed project includes the installation of a third ground storage tank (estimated to be 2.3 MG), related piping, upgrade of existing pumps, and controls to provide additional storage and increased firm capacity at the FM 521 Water Pressurization Facility. The Project includes approximately 1,400' of conduit and fiber to connect the plant to the fiber located on Shadow Creek Parkway and provide continuity with the fiber run from Broadway along the FM521 waterline.									
PROJECT JUSTIFICATION									
The City is in the process of extending both the FM 521 Waterline, and the McHard Road Waterline. The FM521 Waterline is intended to transfer water from the City's planned Surface Water Treatment Plant. The McHard Road water line which is designed to transfer less expensive water from the City of Houston's Southeast Water Purification Plant via Pearland's Alice Water Plant to the west side of Pearland and supplement and reduce the quantities of water purchased from other more expensive sources from the City of Houston.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance	\$1,000	\$1,000	\$2,500	\$2,500	\$2,500				
Capital Outlay									
Total Expense	\$1,000	\$1,000	\$2,500	\$2,500	\$2,500				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$575,000	\$400,000	\$575,000						\$575,000
Construction	\$4,650,000	\$3,000,000	\$4,650,000						\$4,650,000
Equipment and Furniture									
Contingency	\$600,000	\$600,000	\$600,000						\$600,000
TOTAL COSTS	\$5,825,000	\$4,000,000	\$5,825,000	\$0	\$0	\$0	\$0	\$0	\$5,825,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$2,912,500	\$1,600,000	\$2,912,500						\$2,912,500
System Revenue - Cash									
Impact Fees - Cash	\$2,759,975	\$2,247,475	\$2,759,975						\$2,759,975
Impact Fees - Debt									
Other Funding Sources ¹ -	\$152,525	\$152,525	\$152,525						\$152,525
TOTAL SOURCES	\$5,825,000	\$4,000,000	\$5,825,000	\$0	\$0	\$0	\$0	\$0	\$5,825,000
¹Explain & Identify Type of Other Sources: Fund 550 Fund Balance (\$152,525). Project 1 in 2017 impact fee update (60% of cost). Bonds sold - \$152,525 in 2017, and \$2,759,975 in 2019. Impact Fee Cash -\$194,950 in 2018 and \$2,565,025 in 2019.									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Water Meter Change Out				WA1702		Ongoing			
PROJECT DESCRIPTION				PROJECT IMAGE					
Change out of approximately 37,000 water meters and drive-by reading system with an advanced metering infrastructure (AMI) and addition of Customer Portal Technology. The change out will include remote antennae, meters, external antennae on meter lids, installation, hardware and software, and vaults as needed.									
PROJECT JUSTIFICATION									
AWWA standards recommends that residential meters be replaced when over 10 years old or more than 1.0 mill gallons have passed through the meter. By 2017 approximately 10,000 meters in Pearland will be older than 10 years or have 1.0 million gallons that have passed through the meters. The AWWA standard is based on .25 gallons per min. The newer meters will register .01 gallons per minute, thus measuring more water, increasing revenues and reducing water loss. Customer expectations are also higher, wanting information more readily to view (graphs, etc.) and the customer portal would provide this information.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$75,000	\$500,000	\$75,000						\$75,000
Construction	\$16,700,000		\$16,700,000						\$16,700,000
Equipment and Furniture	\$800,000	\$17,500,000	\$800,000						\$800,000
Contingency	\$425,000		\$425,000						\$425,000
TOTAL COSTS	\$18,000,000	\$18,000,000	\$18,000,000	\$0	\$0	\$0	\$0	\$0	\$18,000,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$17,500,000	\$17,500,000	\$17,500,000						\$17,500,000
System Revenue - Cash	\$400,000	\$400,000	\$400,000						\$400,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$100,000	\$100,000	\$100,000						\$100,000
TOTAL SOURCES	\$18,000,000	\$18,000,000	\$18,000,000	\$0	\$0	\$0	\$0	\$0	\$18,000,000
¹Explain & Identify Type of Other Sources: DWSRF Grant (Drinking Water Drinking State Revolving Fund) \$10,225,000 and \$100,000 Fund 565 fund balance. Bonds sold - \$10,225,000 in 2017 and \$7,275,000 to be sold in 2018. Cash - \$200,000 in 2017 and \$200,000 in 2018.									

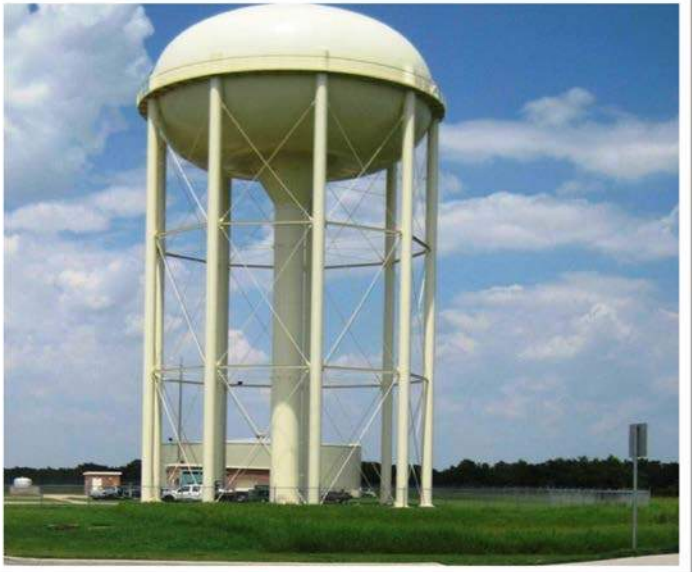
PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Underground Piping Infrastructure at Water Production Facilities 2018				WA1801					
PROJECT DESCRIPTION				PROJECT IMAGE					
2018 funds will inspect, repair, and replace aging underground piping and valves at Green Tee Water Production Facility.									
PROJECT JUSTIFICATION									
The Public Works Department has experienced several failures of water lines at the water production facilities over the past several years. Most of the water line infrastructure at the production facilities is original to the facilities and has not been replaced. This program will reduce service interruptions.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$250,000	\$250,000	\$250,000						\$250,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$250,000	\$250,000	\$250,000						\$250,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Water Quality/Transite Pipe Water Line Replacement Program					WA1802				
PROJECT DESCRIPTION					PROJECT IMAGE				
As the City has developed there are areas where dead end waterlines have been identified that need to be extended looped/connected to other water system mainlines. These areas are also being confirmed by the City's water system model. These connections will assist in enhancing water quality and maintenance in the system by removing these areas and increasing looping and redundancy within the Canterbury Park neighborhood. This program would also replace approximately 63 miles of failing Transite pipe water lines (over 30 years old) in the City with PVC water lines.									
PROJECT JUSTIFICATION									
As the water system continues to grow, opportunities are developed to continue the extension of water lines to connect and loop existing dead end lines. By extending waterlines to connect to other parts of the system and removing dead end waterlines this will assist in enhancing water quality by circulating water, reduce staff time called out to flush waterlines and also reduce system water loss. Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This program will replace the failing Transite pipe infrastructure with PVC which was not prevalent in the industry at the time the Transite pipe lines were installed. The Transite pipe lines are responsible for a higher percentage of work orders per foot than comparable PVC lines and require an inordinate amount of resources to maintain relative to PVC.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$25,000		\$25,000						\$25,000
Design/Surveying	\$25,000	\$100,000	\$25,000						\$25,000
Construction	\$950,000	\$900,000	\$950,000						\$950,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$1,000,000	\$1,000,000	\$1,000,000						\$1,000,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000
*Explain & Identify Type of Other Sources: Program to carryover until all Transite water lines are replaced.									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
FM 1128 Water Line - Bailey to CR 100					WA1803		7		
PROJECT DESCRIPTION					PROJECT IMAGE				
Install approximately 5,300 feet of water line along FM 1128 (Marvel Rd) from Bailey Rd. to CR100. The timing of this project is developer driven and the city cost is for line oversizing only, not 100% of the estimated cost.									
PROJECT JUSTIFICATION									
This will loop the system for pressure and fire protection based on 2007 Water Model Update and will supply water to future development.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$1,000	\$1,000	\$1,000	\$1,000				
Capital Outlay									
Total Expense		\$1,000	\$1,000	\$1,000	\$1,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$45,000	\$45,000	\$45,000						\$45,000
Equipment and Furniture									
Contingency	\$80,000	\$80,000	\$80,000						\$80,000
TOTAL COSTS	\$125,000	\$125,000	\$125,000	\$0	\$0	\$0	\$0	\$0	\$125,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$125,000	\$125,000	\$125,000						\$125,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$125,000	\$125,000	\$125,000	\$0	\$0	\$0	\$0	\$0	\$125,000
¹ Explain & Identify Type of Other Sources: Project 8 in 2013 impact fee update.									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
CR 100 Water Line - Veterans Dr to FM 1128				WA1804		6				
PROJECT DESCRIPTION				PROJECT IMAGE						
Install approximately 13,200 feet of water line along CR 100 from Veterans Dr. to FM 1128 (Marvel Rd). The timing of this project is developer driven and the city cost is for line oversizing only, not 100% of the estimated cost.										
PROJECT JUSTIFICATION										
This will supply water for future development along this corridor based on the 2007 Water Model Update, projected growth.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance		\$1,000	\$1,000	\$1,000	\$1,000					
Capital Outlay										
Total Expense		\$1,000	\$1,000	\$1,000	\$1,000					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$130,000	\$130,000	\$130,000						\$130,000
Equipment and Furniture										
Contingency		\$120,000	\$120,000	\$120,000						\$120,000
TOTAL COSTS		\$250,000	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash		\$250,000	\$250,000	\$250,000						\$250,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$250,000	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000
¹ Explain & Identify Type of Other Sources: Project 9 in 2013 impact fee update.										


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Veterans Dr. Water Line - Bailey Rd. to CR 128				WA1805		5			
PROJECT DESCRIPTION				PROJECT IMAGE					
Install approximately 5,300 feet of water line on Veterans Dr. from Bailey Rd, south to CR 100 and continue an additional 5,300 feet with a line from CR 100 to CR 128. The timing of this project is developer driven and the city cost is for line oversizing only, not 100% of the estimated cost.									
PROJECT JUSTIFICATION									
This will loop the system for pressure and fire protection based on 2007 Water Model Update and will supply water to future development.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$1,000	\$1,000	\$1,000	\$1,000				
Capital Outlay									
Total Expense		\$1,000	\$1,000	\$1,000	\$1,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$165,000	\$165,000	\$165,000						\$165,000
Equipment and Furniture									
Contingency	\$60,000	\$60,000	\$60,000						\$60,000
TOTAL COSTS	\$225,000	\$225,000	\$225,000	\$0	\$0	\$0	\$0	\$0	\$225,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$225,000	\$225,000	\$225,000						\$225,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$225,000	\$225,000	\$225,000	\$0	\$0	\$0	\$0	\$0	\$225,000
¹ Explain & Identify Type of Other Sources: Fund 42 Fund Balance. Project 11 in 2013 impact fee update.									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Bailey Water Plant Improvements					WA1901		8		
PROJECT DESCRIPTION					PROJECT IMAGE				
Elevated levels of organic manganese and iron cause taste, odor and appearance issues though the water product itself remains safe for consumption. The 1st phase of this project installed a distribution line at the facility that improved water quality by providing adequate water flow within the tank. The 2nd phase of this project includes the installation of a 'green sand' filter that will chemically bond with manganese and iron for removal. The well will then be able to be utilized for system water quality maintenance. Included in this project will be the installation of a new 1MG concrete ground storage tank to replace the existing welded steel tank.									
PROJECT JUSTIFICATION									
The 2,000 gallon per minute well is critical to provide system water quality maintenance and provisions for drought contingency. The City of Pearland has maintained a log of customer complaints regarding water quality. Complaints regarding brown/rusty colored water indicate problems with iron and manganese have been occurring in the winter months.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance	\$76,000	\$76,000	\$76,000	\$77,500	\$77,500				
Capital Outlay									
Total Expense	\$76,000	\$76,000	\$76,000	\$77,500	\$77,500				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$450,000	\$540,000	\$450,000						\$450,000
Construction	\$3,690,000	\$3,600,000	\$3,690,000						\$3,690,000
Equipment and Furniture									
Contingency	\$720,000	\$720,000	\$720,000						\$720,000
TOTAL COSTS	\$4,860,000	\$4,860,000	\$4,860,000	\$0	\$0	\$0	\$0	\$0	\$4,860,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$4,860,000	\$4,860,000	\$4,860,000						\$4,860,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$4,860,000	\$4,860,000	\$4,860,000	\$0	\$0	\$0	\$0	\$0	\$4,860,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$620,000 in 2018 and \$4,240,000 in 2019.									


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Underground Piping Infrastructure at Water Production Facilities				WA1902						
PROJECT DESCRIPTION				PROJECT IMAGE						
2019 funds we will inspect, repair, and replace aging underground piping and valves at Cullen and Country Place.										
PROJECT JUSTIFICATION										
The Public Works Department has experienced several failures of water lines at the water production facilities over the past several years. Most of the water line infrastructure at the production facilities is original to the facilities and has not been replaced. This program will reduce service interruptions.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$250,000	\$250,000	\$250,000						\$250,000
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$250,000	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash		\$250,000	\$250,000	\$250,000						\$250,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$250,000	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Transite Pipe Water Line Replacement Program					WA1903					
PROJECT DESCRIPTION					PROJECT IMAGE					
Replace approximately 63 miles of failing Transite pipe water lines (over 30 years old) in the City with PVC water lines. The program will replace the water line infrastructure in the following locations over a period of years - Corrigan, Somersetshire, Country Place, Green Tee, Westminster, Brookside Acres, Shadycrest, Creek View, Parkview, Wood Creek, Heritage Green, Clear Creek Estates, and Southdown subdivisions. In FY 2019 Corrigan South and Heritage Green.										
PROJECT JUSTIFICATION										
Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This program will replace the failing Transite pipe infrastructure with PVC which was not prevalent in the industry at the time the Transite pipe lines were installed. The Transite pipe lines are responsible for a higher percentage of work orders per foot than comparable PVC lines and require an inordinate amount of resources to maintain relative to PVC. The program will also provide the opportunity to resolve dead end water line issues in the affected areas which will improve water quality.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$82,339		\$82,339						\$82,339
Construction		\$1,000,000	\$1,000,000	\$1,000,000						\$1,000,000
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$1,082,339	\$1,000,000	\$1,082,339	\$0	\$0	\$0	\$0	\$0	\$1,082,339
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash		\$1,000,000	\$1,000,000	\$1,000,000						\$1,000,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -		\$82,339		\$82,339						\$82,339
TOTAL SOURCES		\$1,082,339	\$1,000,000	\$1,082,339	\$0	\$0	\$0	\$0	\$0	\$1,082,339
¹ Explain & Identify Type of Other Sources: \$82,339 transferred from Transite Water Line Project WA1604.										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Southdown Plant Ground Storage Tank Replacement				WA1904					
PROJECT DESCRIPTION				PROJECT IMAGE					
Removal and replacement of existing 140,000 gallon bolted ground storage tank. Project includes the removal of the hydro-tanks and supply variable frequency drives for the pumps. Estimated to replace with up to 500,000 gallon welded steel tank and generator.									
PROJECT JUSTIFICATION									
Existing storage volume is undersized for demand and the existing 140,000 gallon bolted tank is beyond its service life. By installing the variable frequency drives for the pumps this will allow for the removal of the existing hydro-tanks and provide additional room for a larger tank.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
				<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$300,000	\$105,000	\$300,000						\$300,000
Construction	\$2,000,000			\$2,000,000					\$2,000,000
Equipment and Furniture									
Contingency	\$400,000	\$40,000	\$50,000	\$350,000					\$400,000
TOTAL COSTS	\$2,700,000	\$145,000	\$350,000	\$2,350,000	\$0	\$0	\$0	\$0	\$2,700,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$2,350,000			\$2,350,000					\$2,350,000
System Revenue - Cash	\$350,000	\$145,000	\$350,000						\$350,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$2,700,000	\$145,000	\$350,000	\$2,350,000	\$0	\$0	\$0	\$0	\$2,700,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Water Quality Program				WA1906					
PROJECT DESCRIPTION				PROJECT IMAGE					
As the City has developed there are areas where dead end waterlines have been identified that need to be extended looped/connected to other water system mainlines. These areas are also being confirmed by the City's water system model. These connections will assist in enhancing water quality and maintenance in the system by removing these areas and increasing looping and redundancy within the Oak Brook / Oak Brook Estates neighborhood.									
PROJECT JUSTIFICATION									
As the water system continues to grow, opportunities are developed to continue the extension of water lines to connect and loop existing dead end lines. By extending waterlines to connect to other parts of the system and removing dead end waterlines this will assist in enhancing water quality by circulating water, reduce staff time called out to flush waterlines and also reduce system water loss.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$50,000	\$50,000	\$50,000						\$50,000
Design/Surveying	\$30,000		\$30,000						\$30,000
Construction	\$300,000	\$300,000	\$300,000						\$300,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$380,000	\$350,000	\$380,000	\$0	\$0	\$0	\$0	\$0	\$380,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$380,000	\$350,000	\$380,000						\$380,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$380,000	\$350,000	\$380,000	\$0	\$0	\$0	\$0	\$0	\$380,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Orange Circle Water Line				WA1907					
PROJECT DESCRIPTION				PROJECT IMAGE					
This project includes the replacement of 1,000 LF of 6" transite waterline on Orange Circle located off of Mykawa Road just south of Orange Street. This project will be completed in conjunction with the Street Reconstruction program.									
PROJECT JUSTIFICATION									
Replacement of the waterline is required due to reconstruction of the street and utilities being located in close proximity to the pavement. Additionally the existing waterline is transite pipe and due to age will be replaced with PVC pipe.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$30,000		\$30,000						\$30,000
Construction	\$175,000		\$175,000						\$175,000
Equipment and Furniture									
Contingency	\$35,000		\$35,000						\$35,000
TOTAL COSTS	\$240,000	\$0	\$240,000	\$0	\$0	\$0	\$0	\$0	\$240,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$240,000		\$240,000						\$240,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$240,000	\$0	\$240,000	\$0	\$0	\$0	\$0	\$0	\$240,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Underground Piping Infrastructure at Water Production Facilities					WA2001					
PROJECT DESCRIPTION					PROJECT IMAGE					
Replace significant portions of aging large diameter water conveyance pipe located at water production facilities. This program will inspect each of the 10 facilities and make recommendations for the design and replacement of failing piping within each facility (In 2020 Garden and Southeast Water Facilities in 2021 McLean and Alice Water Facilities, in 2022 Liberty Water Facilities, in 2023 Kirby Water Facilities, and in 2024 Shadow Creek Water Facilities.										
PROJECT JUSTIFICATION										
The Public Works Department has experienced several failures of water lines at the water production facilities over the past several years. Most of the water line infrastructure at the production facilities is original to the facilities and has not been replaced. This program will reduce service interruptions.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$1,250,000			\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$1,250,000	\$0	\$0	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash		\$1,250,000			\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$1,250,000	\$0	\$0	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
*Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Transite Pipe Water Line Replacement Program					WA2002				
PROJECT DESCRIPTION					PROJECT IMAGE				
Replace approximately 63 miles of failing Transite pipe water lines (over 30 years old) in the City with PVC water lines. The program will replace the water line infrastructure in the following locations over a period of years - Corrigan, Somersetshire, Country Place, Green Tee, Westminster, Brookside Acres, Shadycrest, Creek View, Parkview, Wood Creek, Heritage Green, and Southdown subdivisions. FY20: Corrigan North, FY21: Country Place, FY22 & FY23: Southdown, FY 24 & FY 25: Wood Creek.									
PROJECT JUSTIFICATION									
Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This program will replace the failing Transite pipe infrastructure with PVC which was not prevalent in the industry at the time the Transite pipe lines were installed. The Transite pipe lines are responsible for a higher percentage of work orders per foot than comparable PVC lines and require an inordinate amount of resources to maintain relative to PVC. The program will also provide the opportunity to resolve dead end water line issues in the affected areas which will improve water quality.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$21,000,000			\$1,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$21,000,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$21,000,000	\$0	\$0	\$1,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$21,000,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$20,000,000				\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$20,000,000
System Revenue - Cash	\$1,000,000			\$1,000,000					\$1,000,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$21,000,000	\$0	\$0	\$1,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$21,000,000
*Explain & Identify Type of Other Sources: Program to carryover until all Transite water lines are replaced.									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Water Quality Program					WA2003				
PROJECT DESCRIPTION					PROJECT IMAGE				
As the City has developed there are areas where dead end waterlines have been identified that need to be extended looped/connected to other water system mainlines. These areas are also being confirmed by the City's water system model. These connections will assist in enhancing water quality and maintenance in the system by removing these areas and increasing looping and redundancy within the following neighborhoods: Town Lake Estates, Westwood Village, Wst Oaks, West Oaks Village, Lakes of Edgewater Estates and Southgate.									
PROJECT JUSTIFICATION									
As the water system continues to grow, opportunities are developed to continue the extension of water lines to connect and loop existing dead end lines. By extending waterlines to connect to other parts of the system and removing dead end waterlines this will assist in enhancing water quality by circulating water, reduce staff time called out to flush waterlines and also reduce system water loss.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$250,000			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Design/Surveying	\$230,000			\$30,000	\$50,000	\$50,000	\$50,000	\$50,000	\$230,000
Construction	\$3,500,000			\$500,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,500,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$3,980,000	\$0	\$0	\$580,000	\$850,000	\$850,000	\$850,000	\$850,000	\$3,980,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$3,980,000			\$580,000	\$850,000	\$850,000	\$850,000	\$850,000	\$3,980,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$3,980,000	\$0	\$0	\$580,000	\$850,000	\$850,000	\$850,000	\$850,000	\$3,980,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Sleepy Hollow Dr / Washington Irving / Rip Van Winkle Dr Water Line Replacement					WA2004					
PROJECT DESCRIPTION					PROJECT IMAGE					
This project includes the replacement of 3,200 LF of 2" & 6" water lines due to their location in relation to the street pavement located Northwest of Yost Boulevard and adjacent to Clear Creek. This project will be completed in conjunction with the Street Reconstruction program.										
PROJECT JUSTIFICATION										
Replacement of the waterline is required due to reconstruction of the street and utilities being located in close proximity to the pavement.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$60,000			\$60,000					\$60,000
Construction		\$350,000				\$350,000				\$350,000
Equipment and Furniture										
Contingency		\$70,000				\$70,000				\$70,000
TOTAL COSTS		\$480,000	\$0	\$0	\$60,000	\$420,000	\$0	\$0	\$0	\$480,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash		\$480,000			\$60,000	\$420,000				\$480,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$480,000	\$0	\$0	\$60,000	\$420,000	\$0	\$0	\$0	\$480,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Elevated Storage Tank Rehabilitation					WA2101				
PROJECT DESCRIPTION					PROJECT IMAGE				
A full assessment of 6 (4.5 million gallon) Elevated Storage Tank (EST) coatings to assess and rank for interior/exterior coating replacement. Typical coating life expectancy is between 7-15 years. It is recommended to replace the interior and exterior coating systems and perform any minor vent and pipe work necessary to maintain this asset. In 2021 Liberty EST, in 2022 Southeast EST, in 2023 McLean EST, in 2024 Cullen EST, in 2025 Kirby EST, in 2026 Alice EST.									
PROJECT JUSTIFICATION									
To protect the integrity of the metal structure from corrosion as well as extending the useful life of the tank, periodic protective coating system replacement is required. Interior coating systems meet their useful life in about 12-15 years and require system replacement in order to continue to provide adequate protection. The useful life of an exterior coating can be 7-10 years depending on the type of paint and thickness applied.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$125,000				\$125,000				\$125,000
Construction	\$4,000,000				\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000
Equipment and Furniture									
Contingency	\$375,000					\$125,000	\$125,000	\$125,000	\$375,000
TOTAL COSTS	\$4,500,000	\$0	\$0	\$0	\$1,125,000	\$1,125,000	\$1,125,000	\$1,125,000	\$4,500,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$4,500,000				\$1,125,000	\$1,125,000	\$1,125,000	\$1,125,000	\$4,500,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$4,500,000	\$0	\$0	\$0	\$1,125,000	\$1,125,000	\$1,125,000	\$1,125,000	\$4,500,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Ground Storage Tank Rehabilitation					WA2102				
PROJECT DESCRIPTION					PROJECT IMAGE				
A full assessment of 15 (14.5 million gallon) Ground Storage Tank (GST) coatings to assess and rank for interior/exterior coating replacement. Typical coating life expectancy is between 7-15 years. It is recommended to replace the interior and exterior coating systems and perform any minor vent and pipe work necessary to maintain this asset.									
PROJECT JUSTIFICATION									
To protect the integrity of the metal structure from corrosion as well as extending the useful life of the tank, periodic protective coating system replacement is required. Interior coating systems meet their useful life in about 12-15 years and require system replacement in order to continue to provide adequate protection. The useful life of an exterior coating can be 7-10 years depending on the type of paint and thickness applied.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$800,000				\$200,000				\$200,000
Construction	\$8,000,000				\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$8,000,000
Equipment and Furniture									
Contingency						\$200,000	\$200,000	\$200,000	\$600,000
TOTAL COSTS	\$8,800,000	\$0	\$0	\$0	\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$8,800,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$8,800,000				\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$8,800,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$8,800,000	\$0	\$0	\$0	\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$8,800,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Hughes Ranch Road East Water Line Phase II (Cullen Parkway to Max Road)					WA2103		1		
PROJECT DESCRIPTION					PROJECT IMAGE				
Installation of approximately 4,500 LF of a water line, extending along Hughes Ranch Road from Cullen Parkway to Max Road, near the Hickory Slough Sportsplex. This water line extension will be part of the service to currently unwatered areas.									
PROJECT JUSTIFICATION									
The water line extension will tie the dead end water line on Max Road into the transmission line on Cullen Parkway. This line will also provide the ability to service unserved residents within the City limits.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$1,000	\$1,000	\$2,500				
Capital Outlay									
Total Expense			\$1,000	\$1,000	\$2,500				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$500,000				\$500,000				\$500,000
Design/Surveying	\$230,000				\$230,000				\$230,000
Construction	\$1,630,000					\$1,630,000			\$1,630,000
Equipment and Furniture									
Contingency	\$386,000				\$60,000	\$326,000			\$386,000
TOTAL COSTS	\$2,746,000	\$0	\$0	\$0	\$790,000	\$1,956,000	\$0	\$0	\$2,746,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$978,000					\$978,000			\$978,000
System Revenue - Cash	\$395,000				\$395,000				\$395,000
Impact Fees - Cash	\$395,000				\$395,000	\$978,000			\$1,373,000
Impact Fees - Debt	\$978,000								
Other Funding Sources ¹ -									
TOTAL SOURCES	\$2,746,000	\$0	\$0	\$0	\$790,000	\$1,956,000	\$0	\$0	\$2,746,000
¹ Explain & Identify Type of Other Sources: Project 21 in 2017 impact fee update (50% of cost).									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Sherwood Waterline Replacement					WA2201				
PROJECT DESCRIPTION					PROJECT IMAGE				
This project includes the replacement of 7,200 LF of waterlines in conjunction with the street reconstruction located south of FM518, west of Westminster Drive, and north of Windsor Drive. This project will be completed in conjunction with the Street Reconstruction program.									
PROJECT JUSTIFICATION									
Replacement of the waterline is required due to reconstruction of the street and utilities being located in close proximity to the pavement.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$150,000					\$150,000			\$150,000
Construction	\$950,000						\$950,000		\$950,000
Equipment and Furniture									
Contingency	\$190,000					\$50,000	\$140,000		\$190,000
TOTAL COSTS	\$1,290,000	\$0	\$0	\$0	\$0	\$200,000	\$1,090,000	\$0	\$1,290,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$1,090,000						\$1,090,000		\$1,090,000
System Revenue - Cash	\$200,000					\$200,000			\$200,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,290,000	\$0	\$0	\$0	\$0	\$200,000	\$1,090,000	\$0	\$1,290,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Water System Expansion				WA2202						
PROJECT DESCRIPTION				PROJECT IMAGE						
This project will identify areas within the City Limits that are currently not serviced by potable water. Develop a plan and program to bring utility service to these identified areas.										
PROJECT JUSTIFICATION										
The City is the utility provider for the City of Pearland and its residents. It is the goal of the City to provide service to all residents within the City limits. This project will be to evaluate, design, and construct a water distribution system to the areas of the City that do not currently have city water service.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way	\$450,000						\$150,000	\$150,000	\$150,000	\$450,000
Design/Surveying	\$450,000						\$150,000	\$150,000	\$150,000	\$450,000
Construction	\$2,100,000						\$700,000	\$700,000	\$700,000	\$2,100,000
Equipment and Furniture										
Contingency										
TOTAL COSTS	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds	\$3,000,000						\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
FM 518 Utility Relocations (SH288 to Cullen Parkway)					WA2203				
PROJECT DESCRIPTION					PROJECT IMAGE				
This project will be to relocate approximately 12,100 LF of 16" water main from SH288 to Cullen Parkway. This waterline is in TxDOT ROW of FM518 and will need to be relocated for the roadway widening.									
PROJECT JUSTIFICATION									
TxDOT is scheduling to widen FM518 from SH288 to SH35. The first phase is to start at SH288 and end at Cullen Parkway. The existing 12,100 LF of 16" water main is located in the existing ROW. Per TxDOT utilities will need to be relocated out of the widening project. TxDOT has construction funding in 2023.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$500,000					\$500,000			\$500,000
Construction	\$2,600,000						\$2,600,000		\$2,600,000
Equipment and Furniture									
Contingency	\$550,000						\$550,000		\$550,000
TOTAL COSTS	\$3,650,000	\$0	\$0	\$0	\$0	\$500,000	\$3,150,000	\$0	\$3,650,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$3,150,000						\$3,150,000		\$3,150,000
System Revenue - Cash	\$500,000					\$500,000			\$500,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$3,650,000	\$0	\$0	\$0	\$0	\$500,000	\$3,150,000	\$0	\$3,650,000
¹ Explain & Identify Type of Other Sources:									

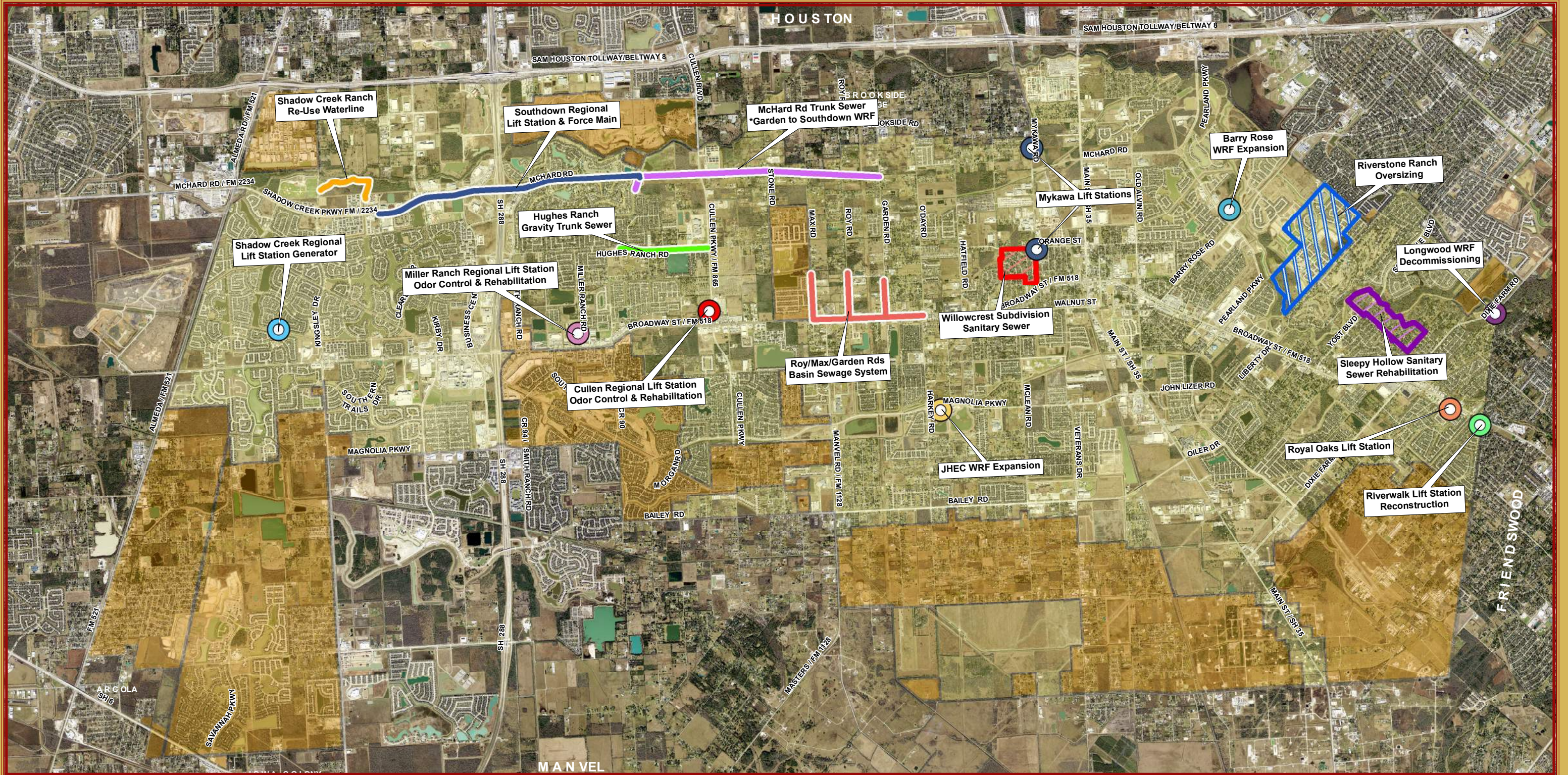
**CITY OF PEARLAND
2020 - 2024 CAPITAL IMPROVEMENT PROGRAM
WASTEWATER**

Project No.	Project Name	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
WW0901	Riverstone Ranch Oversizing	838,609						838,609	
WW1406	McHard Rd Trunk Sewer (Garden to Southdown WRF)	5,100,000	300,000					5,400,000	300,000
WW1502	Barry Rose WRF Expansion	7,293,209	64,790,000					72,083,209	64,790,000
WW1601	Mykawa Lift Stations	7,447,920						7,447,920	
WW1603	JHEC WRF Expansion	6,115,000		52,610,000				58,725,000	52,610,000
WW1605	Waste Water Collection System and Regionilization	50,000		700,000	2,413,000			3,163,000	3,113,000
WW1901	Riverwalk Lift Station Reconstruction	560,000						560,000	
WW1903	Cullen Regional Lift Station Odor Control & Rehabilitation	890,000						890,000	
WW1904	Shadow Creek Ranch Park Re-Use Waterline (Reflection Bay Dr to Kingsley Dr)	245,000		1,300,000				1,545,000	1,300,000
WW1905	Willowcrest Subdivision Sanitary Sewer	240,000	1,300,000					1,540,000	1,300,000
WW1906	Longwood Water Reclamation Facility Decommissioning		18,880,000					18,880,000	18,880,000
WW1907	Hughes Ranch Gravity Trunk Sewer	195,000	1,560,000					1,755,000	1,560,000
WW2001	Miller Ranch Regional Lift Station Odor Control & Rehabilitation		945,000					945,000	945,000
WW2002	Royal Oaks Lift Station		560,000					560,000	560,000
WW2003	Sanitary Sewer Rehabilitation		1,500,000	2,000,000	2,000,000	12,000,000	12,000,000	29,500,000	29,500,000
WW2004	Shadow Creek Regional Lift Station Generator		375,000					375,000	375,000
WW2005	Sleepy Hollow Sanitary Sewer Rehab		40,000	270,000				310,000	310,000
WW2101	Southdown Regional Lift Station & Force Main			2,030,000	10,300,000			12,330,000	12,330,000
WW2103	Lift Station Rehabilitation Program			2,082,500	2,170,000	2,170,000	1,880,000	8,302,500	8,302,500
WW2202	Waste Water System Expansion				1,000,000	1,000,000	1,000,000	3,000,000	3,000,000
	TOTAL	\$ 28,974,738	\$ 90,250,000	\$ 60,992,500	\$ 17,883,000	\$ 15,170,000	\$ 14,880,000	\$ 228,150,238	\$ 199,175,500

SOURCE OF FUNDS	Budgeted Thru 2019	2020	2021	2022	2023	2024	Project Total	2020 - 2024 Allocation
<i>Non-Debt Funded</i>								
System Revenues - Cash	2,850,168	975,000	620,000				4,445,168	1,595,000
Impact Fees - Cash	2,111,525		350,000				2,461,525	350,000
Other Funding Sources*	3,402,654	300,000					3,702,654	300,000
<i>Water/Sewer Supported Debt (Enterprise Fund)</i>								
W/S Revenue Bonds	14,549,641	28,950,000	60,527,500	11,526,500	15,170,000	14,880,000	145,603,641	131,054,000
Impact Fees - Debt	5,865,750	14,450,000	45,265,000	6,356,500			71,937,250	66,071,500
<i>Less Projects Appropriated in Previous Year</i>								<i>(195,000)</i>
TOTAL	\$ 28,779,738	\$ 44,675,000	\$ 106,762,500	\$ 17,883,000	\$ 15,170,000	\$ 14,880,000	\$ 228,150,238	\$ 199,175,500

Note: Totals may not tie by year, as the City sometimes appropriates funds for projects in one year and then sells the bonds in the next year.

*Other Funding Sources include fund balance.



CITY OF PEARLAND

2020 - 2024

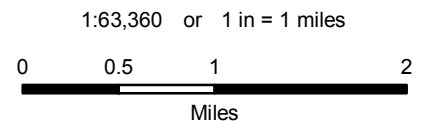
Capital Improvement Projects

Waste water

- Barry Rose WRF Expansion
- Cullen Regional LS Odor Control & Rehabilitation
- JHEC WRF Expansion
- Longwood Water Reclamation Facility Decommissioning
- Miller Ranch Regional LS Odor Control & Rehabilitation
- Mykawa Lift Stations
- Riverwalk LS Reconstruction
- Royal Oaks LS
- Shadow Creek Regional LS Generator
- Hughes Ranch Gravity Trunk Sewer
- McHard Road Trunk Sewer
- Roy/Max/Garden Roads Basin Sewage System
- Shadow Creek Ranch Park Re-Use Waterline
- Southdown Regional LS & Force Main
- ▨ Sleepy Hollow Sanitary Sewer Rehab
- ▨ Willowcrest Subdivision Sanitary Sewer
- ▨ Riverstone Ranch Oversizing
- City Limits
- ETJ



Projects Not Shown
 *Lift Station Program
 *Sanitary Sewer Rehabilitation
 *Waste Water System Expansion
 *Waste Water Collection System & Regionalization





This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.


MAP PREPARED: JULY 2019
 CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Riverstone Ranch Oversizing					WW0901		Ongoing		
PROJECT DESCRIPTION					PROJECT IMAGE				
Oversizing of the Riverstone Ranch development's sewer infrastructure in order to incorporate into the City's larger system.									
PROJECT JUSTIFICATION									
This project accomplishes a portion of the overall plan developed in the Longwood Wastewater Basin study to eliminate the need for an expansion or long-term operation of the Longwood Wastewater Treatment Plant. This project also eliminates three lift stations in the Green Tee Subdivision.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance	(\$16,400)	(\$16,400)	(\$16,400)	(\$16,400)	(\$16,400)				
Capital Outlay									
Total Expense	(\$16,400)	(\$16,400)	(\$16,400)	(\$16,400)	(\$16,400)				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$681,937	\$681,937	\$681,937						\$681,937
Construction	\$122,672	\$122,672	\$122,672						\$122,672
Equipment and Furniture									
Contingency	\$34,000	\$34,000	\$34,000						\$34,000
TOTAL COSTS	\$838,609	\$838,609	\$838,609	\$0	\$0	\$0	\$0	\$0	\$838,609
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$296,778	\$296,778	\$296,778						\$296,778
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$541,831	\$541,831	\$541,831						\$541,831
TOTAL SOURCES	\$838,609	\$838,609	\$838,609	\$0	\$0	\$0	\$0	\$0	\$838,609
*Explain & Identify Type of Other Sources: \$43,222 in 2013 from WW0902 - Longwood Lift Station Replacement project. Fund 42 fund balance. \$125,000 moved from fund 67 balance									


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
McHard Rd Trunk Sewer (Garden to Southdown WRF)				WW1406		Ongoing				
PROJECT DESCRIPTION				PROJECT IMAGE						
Install, along McHard Rd, approximately 4,500 feet of 24" trunk sewer from Cullen to Southdown WRF (completed by Developer Agreement with Lake Park Subdivision); 5,800 feet of 18" trunk sewer from Cullen to Max Road; and approximately 4,000 LF of 15" trunk sewer from Max Road to Garden Road.										
PROJECT JUSTIFICATION										
This project will provide gravity sewer from Southdown WRF to Garden Road with limited extensions north and south along Max Road, Roy Road and Garden Road and is called for in the wastewater master plan. Extends Southdown service area to the east, picking up areas not currently served by City system. Additionally, this project is in conjunction with the installation of the McHard Road Extension.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way	\$600,000	\$91,929	\$300,000	\$300,000					\$600,000	
Design/Surveying	\$550,000	\$794,332	\$550,000						\$550,000	
Construction	\$3,750,000	\$4,736,500	\$3,750,000						\$3,750,000	
Equipment and Furniture										
Contingency	\$500,000	\$500,000	\$500,000						\$500,000	
TOTAL COSTS	\$5,400,000	\$6,122,761	\$5,100,000	\$300,000	\$0	\$0	\$0	\$0	\$5,400,000	
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds	\$1,948,995	\$4,019,995	\$1,948,995						\$1,948,995	
System Revenue - Cash	\$618,390	\$34,771	\$618,390						\$618,390	
Impact Fees - Cash										
Impact Fees - Debt	\$1,723,250	\$1,642,250	\$1,723,250						\$1,723,250	
Other Funding Sources ¹ -	\$1,109,365	\$425,745	\$809,365	\$300,000					\$1,109,365	
TOTAL SOURCES	\$5,400,000	\$6,122,761	\$5,100,000	\$300,000	\$0	\$0	\$0	\$0	\$5,400,000	
¹Explain & Identify Type of Other Sources: Fund 42 Fund Balance. Waste water project G in 2017 impact fee update (25% of cost). Probable Oversizing Agreement with Lake Park Subdivision for the 24" segment. Bonds sold - \$225,745 in 2014, \$1,117,000 in 2016, and \$2,329,500 in 2017.										


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Barry Rose WRF Expansion				WW1502		Ongoing			
PROJECT DESCRIPTION				PROJECT IMAGE					
In 2016 a Preliminary Engineering Report began to determine the specific design parameters required for the plant expansion, including volume and biological loading. This project will include a new, separate plant to be run in parallel with the existing plant. A 4.7 MGD expansion to the existing 3.8 MGD water reclamation facility will increase the treatment capacity to 8.5 MGD facility.									
PROJECT JUSTIFICATION									
The TCEQ rules require the initiation of engineering and financial planning to upgrade a water reclamation facility when the flows reach 75% of the plant capacity. The facility is currently treating approximately 59% of the capacity and current projects are underway to remove flows from Longwood facility and shift to Barry Rose increasing loads at this plant above the 75% requirement. This is also to meet TCEQ's goal of regionalization of wastewater treatment facilities.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$431,441	\$431,441	\$431,441	\$431,441				
Capital Outlay									
Total Expense		\$431,441	\$431,441	\$431,441	\$431,441				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report	\$773,209	\$773,209	\$773,209						\$773,209
Land/Right of Way									
Design/Surveying	\$6,350,000	\$4,980,000	\$5,200,000	\$1,150,000					\$6,350,000
Construction	\$58,000,000		\$1,160,000	\$56,840,000					\$58,000,000
Equipment and Furniture									
Contingency	\$6,960,000	\$1,326,791	\$160,000	\$6,800,000					\$6,960,000
TOTAL COSTS	\$72,083,209	\$7,080,000	\$7,293,209	\$64,790,000	\$0	\$0	\$0	\$0	\$72,083,209
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$35,785,000	\$3,390,000	\$3,390,000	\$14,450,000	\$17,945,000				\$35,785,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt	\$35,785,000	\$3,390,000	\$3,390,000	\$14,450,000	\$17,945,000				\$35,785,000
Other Funding Sources ¹ -	\$513,209	\$300,000	\$513,209						\$513,209
TOTAL SOURCES	\$72,083,209	\$7,080,000	\$7,293,209	\$28,900,000	\$35,890,000	\$0	\$0	\$0	\$72,083,209
*Explain & Identify Type of Other Sources: Fund 42 Fund Balance \$300,000. Waste water project I in 2017 impact fee update (50% of costs). Bonds sold - \$400,000 in 2017 and \$2,990,000 in 2018.									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Mykawa Lift Stations					WW1601		Ongoing		
PROJECT DESCRIPTION					PROJECT IMAGE				
Project includes installation of 18" gravity sewer on Hatfield Rd; the replacement and relocation of the Orange-Mykawa Lift Station to the ROW adjacent to Town Ditch to be served with the installation of a 12" gravity sewer line ~ 3,400 lf along Mykawa from Orange to Walnut, and 8" force main from Mykawa west 2500 lf to Hatfield Rd; abandonment of Shank Street Lift Station; replacement and relocation of Mykawa-Scott Lift Station, installation of new 8-inch force main for approximately 2,500 lf from Mykawa to SH35, and new 8-12-inch gravity line approximately 3,450 lf along Mykawa from Scott to Shank. Project will be coordinated with Mykawa Road construction.									
PROJECT JUSTIFICATION									
Orange-Mykawa Lift Station will require a major rehabilitation within the next five years and is poorly located for servicing the area. This project will eliminate an existing inverted siphon in a gravity line and relocate the Orange-Mykawa Lift Station. In addition, the project will eliminate the Shank Street Lift Station and relocate the Scott Street Lift Station presently in conflict with the future Mykawa Road Widening.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)				
Capital Outlay									
Total Expense	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report	\$93,712	\$300,000	\$93,712						\$93,712
Land/Right of Way	\$360,000	\$360,000	\$360,000						\$360,000
Design/Surveying	\$596,000	\$596,300	\$596,000						\$596,000
Construction	\$5,473,208	\$4,668,600	\$5,473,208						\$5,473,208
Equipment and Furniture									
Contingency	\$925,000	\$923,020	\$925,000						\$925,000
TOTAL COSTS	\$7,447,920	\$6,847,920	\$7,447,920	\$0	\$0	\$0	\$0	\$0	\$7,447,920
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$6,346,620	\$6,346,620	\$6,346,620						\$6,346,620
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$1,101,300	\$501,300	\$1,101,300						\$1,101,300
TOTAL SOURCES	\$7,447,920	\$6,847,920	\$7,447,920	\$0	\$0	\$0	\$0	\$0	\$7,447,920
¹Explain & Identify Type of Other Sources: Fund 67 Fund Balance \$166,300 and Fund 42 Fund Balance \$335,000. Bonds sold - \$795,000 in 2017 and \$5,551,620 in 2018.									

PROJECT NAME						PROJECT #		PREFERENCE ORDER	
JHEC WRF Expansion						WW1603		Ongoing	
PROJECT DESCRIPTION						PROJECT IMAGE			
A 2 MGD expansion to the existing 4 MGD water reclamation facility that will increase the treatment capacity to 6 MGD facility at the John Hargrove Water Reclamation Facility.									
PROJECT JUSTIFICATION									
This 2 MGD expansion is based on growth projections for the JHEC WRF service area and additional flows that will be diverted to the JHEC WRF from the Longwood Service Area and the future development in the south. Current flows are approaching 75% of current capacity. WWM Project 29A. This is also to meet TCEQ's goal of regionalization of wastewater treatment facilities.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$501,544	\$501,544	\$501,544				
Capital Outlay									
Total Expense			\$501,544	\$501,544	\$501,544				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report	\$475,000	\$475,000	\$475,000						\$475,000
Land/Right of Way									
Design/Surveying	\$4,510,000	\$5,400,000	\$3,800,000		\$710,000				\$4,510,000
Construction	\$48,080,000		\$950,000		\$47,130,000				\$48,080,000
Equipment and Furniture									
Contingency	\$5,660,000		\$890,000		\$4,770,000				\$5,660,000
TOTAL COSTS	\$58,725,000	\$5,875,000	\$6,115,000	\$0	\$52,610,000	\$0	\$0	\$0	\$58,725,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$29,169,026	\$2,864,026	\$2,864,026		\$26,305,000				\$29,169,026
System Revenue - Cash									
Impact Fees - Cash	\$2,111,525	\$2,111,525	\$2,111,525						\$2,111,525
Impact Fees - Debt	\$27,057,500	\$752,500	\$752,500		\$26,305,000				\$27,057,500
Other Funding Sources ¹ -	\$386,949	\$146,949	\$386,949						\$386,949
TOTAL SOURCES	\$58,725,000	\$5,875,000	\$6,115,000	\$0	\$52,610,000	\$0	\$0	\$0	\$58,725,000
¹ Explain & Identify Type of Other Sources: Waste water project 1 in 2017 impact fee update (20% of costs). Bonds sold - \$1,505,000 in 2016 and \$2,111,526 in 2018. \$146,949 transferred from WA1302									


PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Waste Water Collection System and Regionilization Expansion						WW1605		7	
PROJECT DESCRIPTION						PROJECT IMAGE			
This project proposes approximately 4,940 LF of 18" trunk sewer along Broadway St. from Food Town's Lift Station to O'Day Rd, approximately 1,300 LF of 15" trunk sewer along Garden Rd from Broadway to the lift station and 1,200 LF of 12" sewer line along Roy and Max Rd from Broadway to Hickory Slough.									
PROJECT JUSTIFICATION									
This project will eliminate modeled overflows and two existing lift stations (Food Town's, Garden Rd.) and serve areas that are currently not serviced as far north as Hickory Slough. WWM Project 12									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget						<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)			
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance				(\$10,933)	(\$16,400)				
Capital Outlay									
Total Expense				(\$10,933)	(\$16,400)				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report	\$50,000	\$50,000	\$50,000						\$50,000
Land/Right of Way	\$100,000				\$100,000				\$100,000
Design/Surveying	\$330,000				\$330,000				\$330,000
Construction	\$2,143,000					\$2,143,000			\$2,143,000
Equipment and Furniture									
Contingency	\$540,000				\$270,000	\$270,000			\$540,000
TOTAL COSTS	\$3,163,000	\$50,000	\$50,000	\$0	\$700,000	\$2,413,000	\$0	\$0	\$3,163,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$1,206,500					\$1,206,500			\$1,206,500
System Revenue - Cash	\$350,000				\$350,000				\$350,000
Impact Fees - Cash	\$350,000				\$350,000				\$350,000
Impact Fees - Debt	\$1,206,500					\$1,206,500			\$1,206,500
Other Funding Sources ¹ -	\$50,000	\$50,000	\$50,000						\$50,000
TOTAL SOURCES	\$3,163,000	\$50,000	\$50,000	\$0	\$700,000	\$2,413,000	\$0	\$0	\$3,163,000
¹ Explain & Identify Type of Other Sources: Waste water project 1 in 2017 impact fee update (30% of costs). Fund 42 fund balance \$50,000									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Riverwalk Lift Station Reconstruction				WW1901		Ongoing				
PROJECT DESCRIPTION				PROJECT IMAGE						
This project consists of a major rehabilitation of the existing lift station, now 30 plus years into it service life. Work will include structural rehabilitation of the wet well, replacement of existing old style Gorman Rupp self-priming pumps with new more efficient submersibles mounted to guide rails, replacement of old style electrical controller cabinets and the addition of SCADA fiber, Ethernet switches for automated reporting and manual transfer switch for portable generator hookup.										
PROJECT JUSTIFICATION										
The pumps at these facilities are currently above ground centrifugal pumps that have been in service for 30+ years. The rehab of these facilities consist of submersible pump replacements with guide rail systems, raising wet well top to a higher elevation, relining wet well and upgrading the control panels.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)					
Capital Outlay										
Total Expense	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$60,000	\$60,000	\$60,000						\$60,000
Construction		\$500,000	\$500,000	\$500,000						\$500,000
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$560,000	\$560,000	\$560,000	\$0	\$0	\$0	\$0	\$0	\$560,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash		\$560,000	\$560,000	\$560,000						\$560,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$560,000	\$560,000	\$560,000	\$0	\$0	\$0	\$0	\$0	\$560,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Cullen Regional Lift Station Odor Control & Rehabilitation				WW1903					
PROJECT DESCRIPTION				PROJECT IMAGE					
Remove and replace existing discharge piping and install an odor control unit on the regional lift station. This unit is designed to pull a vacuum and process the hazardous and corrosive gasses such as Hydrogen Sulfide, Methane Gas and Carbon Monoxide generated by these atmospheric conditions in the wastewater collections system. Due to the corrosive nature of the gases the discharge piping interior and exterior needs to be replaced. As part of the rehabilitation and meeting TCEQ requirements for a regional lift station this site will require a permanent generator with automatic transfer switch.									
PROJECT JUSTIFICATION									
Installation of odor control filtration unit for this wastewater lift station location will process gaseous material that produces nuisance odor conditions caused by the decomposition of organic matter found in wastewater. These unpleasant odors are reported by the general public residing adjacent or near the lift station location. With the pipe surfaces exposed to the corrosive atmosphere in the wet well the piping is subject to premature deterioration leading to pipe pitting and eventually leaks will occur. The pump station is a main regional pump station that has flow coming from several other lift stations.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$20,000	\$20,000	\$20,000	\$20,000				
Capital Outlay									
Total Expense		\$20,000	\$20,000	\$20,000	\$20,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$100,000	\$70,000	\$100,000						\$100,000
Construction	\$700,000	\$450,000	\$700,000						\$700,000
Equipment and Furniture									
Contingency	\$90,000	\$90,000	\$90,000						\$90,000
TOTAL COSTS	\$890,000	\$610,000	\$890,000	\$0	\$0	\$0	\$0	\$0	\$890,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$890,000	\$610,000	\$890,000						\$890,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$890,000	\$610,000	\$890,000	\$0	\$0	\$0	\$0	\$0	\$890,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Shadow Creek Ranch Park Re-Use Waterline (Reflection Bay Dr to Kingsley Dr)					WW1904		Ongoing		
PROJECT DESCRIPTION					PROJECT IMAGE				
This project will provide approximately 4,500 LF of 8" waterline that will convey Type I re-use water for irrigation of the Shadow Creek Ranch Park facility. The Reflection Bay Water Reclamation Facility Expansion project anticipated this need, and the non-potable water facility and storage was sized to provide adequate capacity and pressure. The water line will follow the shared use trail alignment along Clear Creek.									
PROJECT JUSTIFICATION									
The implementation of reuse water is a goal for the City, which serves to reduce the demand on the potable water production, and associated costs. This project provides for the conveyance from the source where reuse water is generated to significant use destination.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					FY PROJECTED				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$165,000	\$165,000	\$165,000						
Construction	\$1,100,000				\$1,100,000				\$1,100,000
Equipment and Furniture									
Contingency	\$280,000	\$80,000	\$80,000		\$200,000				\$200,000
TOTAL COSTS	\$1,545,000	\$245,000	\$245,000	\$0	\$1,300,000	\$0	\$0	\$0	\$1,300,000
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$1,300,000				\$1,300,000				\$1,300,000
System Revenue - Cash	\$245,000	\$245,000	\$245,000						\$245,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,545,000	\$245,000	\$245,000	\$0	\$1,300,000	\$0	\$0	\$0	\$1,545,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Willowcrest Subdivision Sanitary Sewer				WW1905						
PROJECT DESCRIPTION				PROJECT IMAGE						
This project will be to rehabilitate the sanitary sewer collection system located within the subdivision. The sanitary sewer collection system is located in the backyards of the residents and makes it difficult to maintain and make repairs. There is approximately 12,500 LF of pipe and 40 plus manholes. This project schedule is coordinated with the drainage project.										
PROJECT JUSTIFICATION										
This subdivision was built in the 1970s and has been identified as an area with high infiltration and intrusion (I&I). The system is located in the backyards of the homes and has experienced root intrusion due to the vegetation in the backyards. This project will be to pipe burst the existing pipe with a continuous pipeline that will reduce this issue and also reduce the I & I. The manholes will then be repaired and recoated to reduce rainfall intrusion.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$165,000		\$165,000						\$165,000	
Construction	\$1,100,000			\$1,100,000					\$1,100,000	
Equipment and Furniture										
Contingency	\$275,000		\$75,000	\$200,000					\$275,000	
TOTAL COSTS	\$1,540,000	\$0	\$240,000	\$1,300,000	\$0	\$0	\$0	\$0	\$1,540,000	
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL	
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds	\$1,300,000			\$1,300,000					\$1,300,000	
System Revenue - Cash	\$240,000		\$240,000						\$240,000	
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$1,540,000	\$0	\$240,000	\$1,300,000	\$0	\$0	\$0	\$0	\$1,540,000	
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Longwood Water Reclamation Facility Decommissioning				WW1906						
PROJECT DESCRIPTION				PROJECT IMAGE						
Decommission the Longwood Water Reclamation Facility (LWRF) and transfer the flow to the expanded Barry Rose Water Reclamation Facility (BRWRF) via a new Longwood Transfer Lift Station and Force Main. The Longwood Force Main anticipated length is approximately 20,000 linear feet.										
PROJECT JUSTIFICATION										
The LWRF is located on Dixie Farm directly adjacent to Clear Creek. It is subject to repeated inundation during heavy rains and was rendered inoperable due to flooding from Hurricane Harvey. Due to its age, condition, and location it is more cost effective to decommission this facility and redirect its flows to BRWRF and JHWRF. This approach is also in line with the initiative to regionalize our WRF's.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$2,382,000								
Construction		\$15,880,000			\$15,880,000					\$15,880,000
Equipment and Furniture										
Contingency		\$3,176,000			\$3,000,000					\$3,000,000
TOTAL COSTS		\$21,438,000	\$0	\$0	\$18,880,000	\$0	\$0	\$0	\$0	\$18,880,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds		\$21,438,000			\$9,000,000	\$9,880,000				\$18,880,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$21,438,000	\$0	\$0	\$9,000,000	\$9,880,000	\$0	\$0	\$0	\$18,880,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Hughes Ranch Gravity Trunk Sewer					WW1907					
PROJECT DESCRIPTION					PROJECT IMAGE					
Design and install the Hughes Ranch Road segment of the gravity sewer collection system from Cullen Parkway to Bryant Court. This segment will begin with a manhole located within the Cullen right of way extending west within the median approximately 5,000 feet to be installed prior to construction of Hughes Ranch Road.										
PROJECT JUSTIFICATION										
The eastern end of Hughes Ranch Road and all of Cullen is part of a much larger un-sewered area in the central area of the City north of Broadway. This project will begin the process of addressing that need and will install this portion of the system prior to the construction of Hughes Ranch Road.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget										
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$195,000		\$195,000						\$195,000
Construction		\$1,300,000			\$1,300,000					\$1,300,000
Equipment and Furniture										
Contingency		\$260,000			\$260,000					\$260,000
TOTAL COSTS		\$1,755,000	\$0	\$195,000	\$1,560,000	\$0	\$0	\$0	\$0	\$1,755,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds		\$1,755,000			\$1,755,000					\$1,755,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$1,755,000	\$0	\$0	\$1,755,000	\$0	\$0	\$0	\$0	\$1,755,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Miller Ranch Regional Lift Station Odor Control & Rehabilitation					WW2001				
PROJECT DESCRIPTION					PROJECT IMAGE				
Remove and replace existing discharge piping and install an odor control unit on the regional lift station. This unit is designed to pull a vacuum and process the hazardous and corrosive gasses such as Hydrogen Sulfide, Methane Gas and Carbon Monoxide generated by these atmospheric conditions in the wastewater collections system. Due to the corrosive nature of the gases the discharge piping interior and exterior needs to be replaced. As part of the rehabilitation and meeting TCEQ requirements for a regional lift station this site will require a permanent generator with automatic transfer switch.									
PROJECT JUSTIFICATION									
Installation of odor control filtration unit for this wastewater lift station location will process gaseous material that produces nuisance odor conditions caused by the decomposition of organic matter found in wastewater. These unpleasant odors are reported by the general public residing adjacent or near the lift station location. With the pipe surfaces exposed to the corrosive atmosphere in the wet well the piping is subject to premature deterioration leading to pipe pitting and eventually leaks will occur. The pump station is a main regional pump station that has flow coming from several other lift stations.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$20,000	\$20,000	\$20,000	\$20,000				
Capital Outlay									
Total Expense		\$20,000	\$20,000	\$20,000	\$20,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$105,000			\$105,000					\$105,000
Construction	\$700,000			\$700,000					\$700,000
Equipment and Furniture									
Contingency	\$140,000			\$140,000					\$140,000
TOTAL COSTS	\$945,000	\$0	\$0	\$945,000	\$0	\$0	\$0	\$0	\$945,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$945,000			\$945,000					\$945,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$945,000	\$0	\$0	\$945,000	\$0	\$0	\$0	\$0	\$945,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Royal Oaks Lift Station					WW2002				
PROJECT DESCRIPTION					PROJECT IMAGE				
This project consists of a major rehabilitation of the existing Royal Oaks lift stations, now 30 plus years into their service life. Work will include structural rehabilitation of the wet well, replacement of existing old style Gorman Rupp self-priming pumps with new more efficient submersibles mounted to guide rails, replacement of old style electrical controller cabinets and the addition of SCADA fiber and Ethernet switches for automated reporting and a manual transfer switch for generator hookup.									
PROJECT JUSTIFICATION									
The pumps at these facilities are currently above ground centrifugal pumps that have been in service for 30+ years. The rehab of these facilities would be costly and consist of submersible pump replacements with guide rail systems, raising wet well top to a higher elevation, relining wet well and upgrading the control panels. It is less costly to convert these facilities to gravity flow manholes.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance		(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)				
Capital Outlay									
Total Expense		(\$8,200)	(\$8,200)	(\$8,200)	(\$8,200)				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$60,000			\$60,000					\$60,000
Construction	\$500,000			\$500,000					\$500,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$560,000	\$0	\$0	\$560,000	\$0	\$0	\$0	\$0	\$560,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$560,000			\$560,000					\$560,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$560,000	\$0	\$0	\$560,000	\$0	\$0	\$0	\$0	\$560,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Sanitary Sewer Rehabilitation					WW2003				
PROJECT DESCRIPTION					PROJECT IMAGE				
Inflow and infiltration program to rehabilitate failing sanitary collections system over thirty years of age in the following areas over a period of years - North Corrigan Subdivision, Somersetshire, Country Place, Green Tee, Brookside Acres, Shadycrest, Creek View, Parkview, Woodcreek, Heritage Green, Clear Creek Estates, and Twin Creek Woods.									
PROJECT JUSTIFICATION									
Through analysis of Public Works work order history and institutional knowledge, the waste water lines in these older areas are responsible for the majority of line breaks and service interruptions in Pearland. This project will address the areas with the most frequent failures and improve system reliability for the residents. Note that the list of project locations is the same as that listed for water line rehabilitation. It is recommended that both projects are done simultaneously to limit construction impacts to the residents.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$17,500,000			\$1,500,000	\$2,000,000	\$2,000,000	\$12,000,000	\$12,000,000	\$29,500,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$17,500,000	\$0	\$0	\$1,500,000	\$2,000,000	\$2,000,000	\$12,000,000	\$12,000,000	\$29,500,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$17,500,000			\$1,500,000	\$2,000,000	\$2,000,000	\$12,000,000	\$12,000,000	\$29,500,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$17,500,000	\$0	\$0	\$1,500,000	\$2,000,000	\$2,000,000	\$12,000,000	\$12,000,000	\$29,500,000
*Explain & Identify Type of Other Sources: Interest from TWDB funds. Project will carryover to 2025.									

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Shadow Creek Regional Lift Station Generator					WW2004					
PROJECT DESCRIPTION					PROJECT IMAGE					
Shadow Creek Regional Lift Station will require a permanent generator with automatic transfer switch. As part of the rehabilitation and meeting TCEQ requirements for a regional lift station this site will require a permanent generator with automatic transfer switch.										
PROJECT JUSTIFICATION										
Due to the critical nature of these lift stations will require an alternate power source to maintain wastewater flows in the event of loss of line power.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2020	2021	2022	2023	2024					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$45,000			\$45,000					\$45,000
Construction		\$300,000			\$300,000					\$300,000
Equipment and Furniture										
Contingency		\$30,000			\$30,000					\$30,000
TOTAL COSTS		\$375,000	\$0	\$0	\$375,000	\$0	\$0	\$0	\$0	\$375,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds										
Future GO Bond Package										
TIRZ Reimbursable Debt										
HGAC - TIP										
PEDC										
W/S Revenue Bonds										
System Revenue - Cash		\$375,000			\$375,000					\$375,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$375,000	\$0	\$0	\$375,000	\$0	\$0	\$0	\$0	\$375,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Sleepy Hollow Sanitary Sewer Rehabilitation					WW2005				
PROJECT DESCRIPTION					PROJECT IMAGE				
Sleepy Hollow subdivision is located Northwest of Yost Boulevard and adjacent to Clear Creek and was originally developed in early 1980's. This project includes 2,900 LF of 8" sanitary sewer rehabilitation replacement due to their location in relation to the street pavement.									
PROJECT JUSTIFICATION									
Replacement of the sanitary sewer is required due to reconstruction of the street and utilities being located in close proximity to the pavement.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$40,000			\$40,000					\$40,000
Construction	\$225,000				\$225,000				\$225,000
Equipment and Furniture									
Contingency	\$45,000				\$45,000				\$45,000
TOTAL COSTS	\$310,000	\$0	\$0	\$40,000	\$270,000	\$0	\$0	\$0	\$310,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash	\$310,000			\$40,000	\$270,000				\$310,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$310,000	\$0	\$0	\$40,000	\$270,000	\$0	\$0	\$0	\$310,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Southdown Regional Lift Station & Force Main					WW2101		8		
PROJECT DESCRIPTION					PROJECT IMAGE				
Construct regional lift station and force main to serve the Southdown service area. At 90% of the Southdown capacity the construction of the force main will begin and pumps will be sized to pump to the Reflection Bay Water Reclamation Facility (WRF). Construction includes approximately 12,300' of 16" force main from the Southdown Regional Lift Station to Reflection Bay WRF. Route will take line beneath SH 288 and remain within McHard and Shadow Creek Parkway ROW to tie into gravity trunk on Reflection Bay. As part of the rehabilitation and meeting TCEQ requirements for a regional lift station this site will require a permanent generator with automatic transfer switch.									
PROJECT JUSTIFICATION									
This project will collect regional wastewater flows from an expanded service area and divert them to the regional treatment facility at Reflection Bay WRF eliminating the Southdown plant, the need for a future 2 MGD expansion of the Southdown Plant. The project eliminates the need for a future 2 MGD expansion of the Southdown Plant. The current Reflection Bay WRF Expansion includes the capacity to allow for the abandonment of the Southdown Plant. This is also to meet TCEQ's goal of regionalization of wastewater treatment facilities.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$50,000				\$50,000				\$50,000
Design/Surveying	\$1,120,000				\$1,120,000				\$1,120,000
Construction	\$9,300,000					\$9,300,000			\$9,300,000
Equipment and Furniture									
Contingency	\$1,860,000				\$860,000	\$1,000,000			\$1,860,000
TOTAL COSTS	\$12,330,000	\$0	\$0	\$0	\$2,030,000	\$10,300,000	\$0	\$0	\$12,330,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$6,165,000				\$1,015,000	\$5,150,000			\$6,165,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt	\$6,165,000				\$1,015,000	\$5,150,000			\$6,165,000
Other Funding Sources ¹ -									
TOTAL SOURCES	\$12,330,000	\$0	\$0	\$0	\$2,030,000	\$10,300,000	\$0	\$0	\$12,330,000
¹ Explain & Identify Type of Other Sources: Waste water project 4 in 2017 impact fee update (20% of costs).									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Lift Station Rehabilitation Program					WW2103				
PROJECT DESCRIPTION					PROJECT IMAGE				
This program is to evaluate the needs for the critical lift stations in the wastewater collection system. Each of the lift stations have been evaluated and have been selected for one of the following items; 1) removal as the gravity system is near, 2) rehabilitation including odor control, and/or 3) generator installation. Lift stations evaluated FY21 Sunset Meadows, Walnut, Dixie Farm; FY22 East&West Barnett, Riverstone Ranch, Veterans 2; FY23 Whispering Winds, Woodthrush, Green Tee 5									
PROJECT JUSTIFICATION									
As development has grown lift stations that were in isolated subdivisions are now near gravity collections systems and can be abandoned. Thus removing a lift station from the collection system and replacing with a gravity system. Regional and sub-regional lift stations are major collection points in the wastewater collection system and receive wastewater from several service areas. As a result of the wastewater in the pipe, odors and gases develop and are vented at the lift station. These gases can affect the integrity of the concrete structures, pumps and piping and results in the need to rehabilitate these critical lift stations and treat the odors. The final item is that to meet TCEQ requirements for back-up power, on-site permanent generators will be provided for the regional, sub-regional, and critical lift stations and also inaccessible lift stations during storm events.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget									
					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)				
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$942,500				\$232,500	\$250,000	\$250,000	\$210,000	\$942,500
Construction	\$6,650,000				\$1,650,000	\$1,750,000	\$1,750,000	\$1,500,000	\$6,650,000
Equipment and Furniture									
Contingency	\$710,000				\$200,000	\$170,000	\$170,000	\$170,000	\$710,000
TOTAL COSTS	\$8,302,500	\$0	\$0	\$0	\$2,082,500	\$2,170,000	\$2,170,000	\$1,880,000	\$8,302,500
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$8,302,500				\$2,082,500	\$2,170,000	\$2,170,000	\$1,880,000	\$8,302,500
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$8,302,500	\$0	\$0	\$0	\$2,082,500	\$2,170,000	\$2,170,000	\$1,880,000	\$8,302,500
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME		PROJECT #		PREFERENCE ORDER					
Wastewater System Expansion		WW2202							
PROJECT DESCRIPTION		PROJECT IMAGE							
This project will identify areas within the City Limits that are currently not serviced by sanitary sewer. Develop a plan and program to bring utility service to these identified areas.									
PROJECT JUSTIFICATION									
The City is the utility provider for the City of Pearland and its residents. It is the goal of the City to provide service to all residents within the City limits. This project will be to evaluate, design, and construct a sewer collection system to the areas of the City that do not currently have city sewer service.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2020	2021	2022	2023	2024				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION		TOTAL BUDGET		FY PROJECTED ALLOCATIONS					
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$450,000					\$150,000	\$150,000	\$150,000	\$450,000
Design/Surveying	\$450,000					\$150,000	\$150,000	\$150,000	\$450,000
Construction	\$2,100,000					\$700,000	\$700,000	\$700,000	\$2,100,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$3,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
FUNDING SOURCES		TOTAL BUDGET		FY PROJECTED FUNDING SOURCES					
		2019 ADOPTED BUDGET	PROJECTED THRU 2019	2020	2021	2022	2023	2024	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$3,000,000					\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$3,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
¹ Explain & Identify Type of Other Sources:									

GLOSSARY OF TERMS

-A-

AC – Asbestos Concrete
AC-FT – Acre Feet
ADA – American Disabilities Act
ADF – Average Daily Flow
APPROP – Appropriation
AWWA – American Water Works Association

-B-

BCDD # 4 – Brazoria County Drainage District #4
BC MUD # 4 – Brazoria County Municipal Utility District #4
BNSF – An acronym meaning Burlington Northern Santa Fe (Railroad)
BW – Beltway

-C-

CAT – Category
CDBG – Community Development Block Grant
CIAD – Coastal Impact Assistance Program
CIP – Capital Improvement Program
CMAQ – Congestion Mitigation and Air Quality
CO – Certificates of Obligation
CR – County Road

-E-

EMS – Emergency Medical Service
EOC – Emergency Operations Center
ESA – Environmental Site Assessment
EST – Elevated Storage Tank
ETJ – Extraterritorial Jurisdiction

-F-

FM – Farm-to-Market
FNW – Far North West
FTE – Full-Time Equivalent
FY – Fiscal Year

-G-

GCWA – Gulf Coast Water Authority
GEC – General Engineering Consultant
GO – General Obligation
GST – Ground Storage Tank

-H-

HCFCDD – Harris County Flood Control District
HDPE – High Density Polyethylene
HGAC – Houston-Galveston Area Council
HVAC – Heating, Ventilation, and Air Condition

-I-

I/I – Inflow and Infiltration
IH – Interstate Highway

-J-

JHEC – John Hargrove Environmental Center

-K-

KPB – Keep Pearland Beautiful.

GLOSSARY OF TERMS

-L-

LEED – Leadership in Energy & Environmental Design
LF – Linear Feet.
LS – Lift Station

-M-

M – Million
MEP – Mechanical, Electrical, and Plumbing
MGD – million gallons per day
MUD – Municipal Utility District

-N-

NOI – Notice of Intent

-P-

PD – Planned Development
PEDC – Pearland Economic Development Corporation
PER – Preliminary Engineering Report
PISD – Pearland Independent School District
PSB – Public Safety Building
PVFD – Pearland Volunteer Fire Department

-R-

ROW – Right-Of-Way
RD – Road

-S-

SBR – Sequential Batch Reactor
SCADA – Supervisory Control and Data Acquisition
SWEC – Southwest Environmental Center
SF – Square Feet
ST – Street

-T-

TCEQ – Texas Commission of Environmental Quality
TIP – Transportation Improvement Program
TOC – Traffic Operations Center
TXDOT – Texas Department of Transportation

-U-

UB – Utility Billing
UDC – Unified Development Code
UHCL – University of Houston Clear Lake

-V-

VOIP – Voice Over Internet Protocol

-W-

WWM – Waste Water Model
WRF – Water Reclamation Facility

RESOLUTION NO. R2019-204

A Resolution of the City Council of the City of Pearland, Texas, adopting a Five-Year Capital Improvement Program (2020-2024).

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PEARLAND, TEXAS:

Section 1. That the City Council hereby adopts a Five-Year Capital Improvement Program in accordance with Exhibit "A" attached hereto.

PASSED, APPROVED, AND ADOPTED this 12th day of August, A.D., 2019.



TOM REID
MAYOR

ATTEST:

MARIA RODRIGUEZ
INTERIM CITY SECRETARY

APPROVED AS TO FORM:

DARRIN M. COKER
CITY ATTORNEY



City of Pearland
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