

2021-2025 CITY OF PEARLAND CAPITAL IMPROVEMENT PROGRAM "RESILIENCE IN UNCERTAINTY"



CITY OF PEARLAND
2021 – 2025
CAPITAL IMPROVEMENT PROGRAM (CIP)
TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	i-v
SUMMARIES	
Total Summary.....	1
CIP by Funding Source	2-10
DRAINAGE PROJECTS	
Five-Year Summary.....	11
Map.....	12
Project Detail.....	13-24

CITY OF PEARLAND
2021 - 2025
CAPITAL IMPROVEMENT PROGRAM (CIP)
TABLE OF CONTENTS

	<u>PAGE</u>
PARKS PROJECTS	
Five-Year Summary.....	25
Map.....	26
Project Detail.....	27-33
FACILITIES PROJECTS	
Five-Year Summary.....	34
Map.....	35
Project Detail	36-52
STREETS PROJECTS	
Five-Year Summary.....	53
Map.....	54
Project Detail.....	55-82

CITY OF PEARLAND
2021 - 2025
CAPITAL IMPROVEMENT PROGRAM (CIP)
TABLE OF CONTENTS

	<u>PAGE</u>
WATER PROJECTS	
Five-Year Summary.....	83-84
Map.....	85
Project Detail.....	86-125
WASTEWATER PROJECTS	
Five-Year Summary.....	126
Map.....	127
Project Detail.....	128-154
APPENDIX	
Glossary of Terms.....	155-156

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.

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.

opportunities.

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

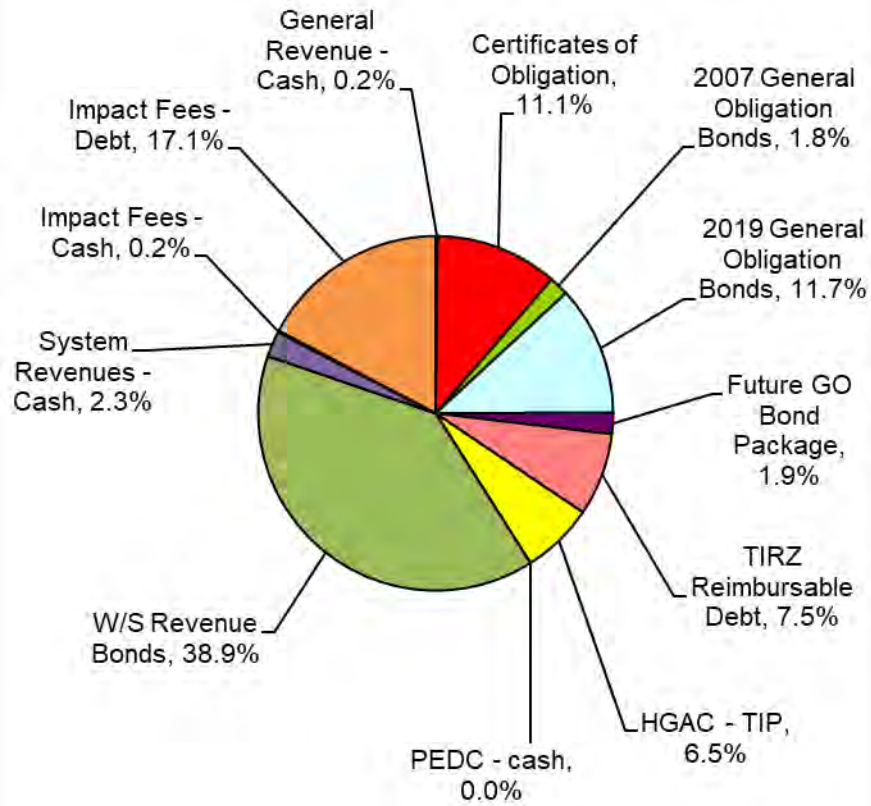
2021 - 2025 CAPITAL IMPROVEMENT PROGRAM

The Five-Year Capital Improvement Program for 2021 to 2025 totals \$528,232,767. 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.

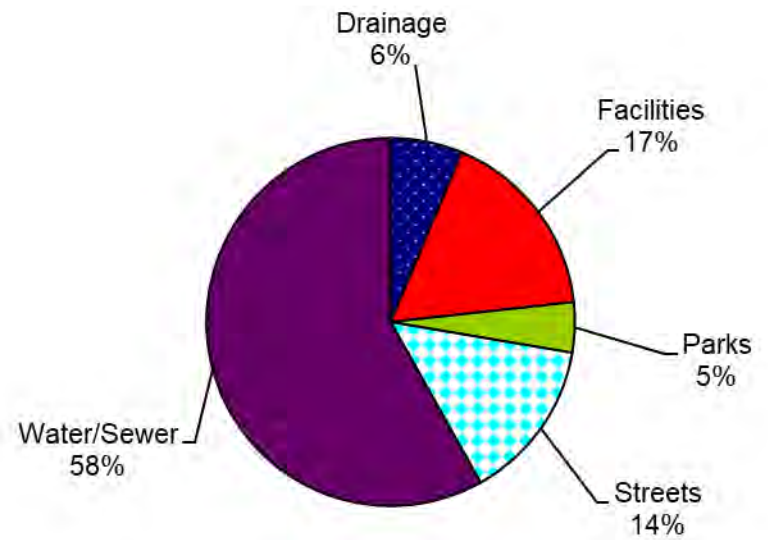
The 2021 - 2025 Capital Improvement Program completes the balance of funds from the 2007 bond referendum. In May 2019, Pearland citizens approved general obligation bonds in the amount of \$80 million that has been included in this document as 2019 general obligation bonds. The use of these funds is 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 does 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

**2021 - 2025 CIP
by
Funding Source - \$528.2 Million**



**2021 - 2025 CIP
by
Project Type - \$528.2 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 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 and 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. 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, and construction 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, and construction of a Fire Training Burn Building Phase I.

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, Water Production Facilities Rehabilitation, 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 Barry Rose Water Reclamation Facility Expansion, JHEC Water Reclamation Facility Expansion, sanitary sewer rehabilitation, 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
2021 - 2025 CAPITAL IMPROVEMENT PROGRAM
TOTAL SUMMARY**

USE	2021	2022	2023	2024	2025	TOTAL
DRAINAGE	23,198,247	2,430,903	3,114,000	4,640,000		33,383,150
PARKS	1,825,000	9,600,000	500,000	1,236,000	10,140,000	23,301,000
FACILITIES	62,336,750	6,447,750	3,461,000	9,319,750	7,977,000	89,542,250
STREETS	21,459,287	45,060,580	1,600,000	6,180,000	750,000	75,049,867
<i>Enterprise Funds – Public Utilities</i>						
WATER	14,965,000	9,875,000	12,440,000	15,577,000	13,450,000	66,307,000
WASTEWATER	173,171,000	19,650,000	9,323,500	18,121,000	20,384,000	240,649,500

SOURCE SUMMARY

NON-DEBT FUNDED	2021	2022	2023	2024	2025	TOTAL
General Revenue - Cash			368,000	204,875	351,000	923,875
PEDC - Cash						
System Revenues - Cash	3,821,000	4,311,375	2,402,000	1,537,875	1,696,000	13,768,250
Impact Fees - Cash			360,000	541,000		901,000
Other Funding Sources	1,477,997	3,337,278				4,815,275
Non-Debt Total	\$ 5,298,997	\$ 7,648,653	\$ 3,130,000	\$ 2,283,750	\$ 2,047,000	\$ 20,408,400

LEVERAGED OUTSIDE FUNDS	2021	2022	2023	2024	2025	TOTAL
TIRZ Reimbursable	27,541,964	16,970,000				44,511,964
HGAC - TIP	29,929,600	8,927,343				38,856,943
Leveraged Outside Funds Total	\$ 57,471,564	\$ 25,897,343	\$ -	\$ -	\$ -	\$ 83,368,907

TAX SUPPORTED DEBT (DEBT SERVICE FUND)	2021	2022	2023	2024	2025	TOTAL
Certificates of Obligation	7,917,400	33,468,489	4,836,626	11,705,000	8,025,000	65,952,515
2007 General Obligation Bonds	881,600	7,275,176	2,327,258			10,484,034
2019 General Obligation Bonds	18,526,000	27,732,000	7,429,000	15,875,000		69,562,000
Future GO Bond Package				1,236,000	10,140,000	11,376,000
Less CO 's & GO's Previously Appropriated						(39,770,415)
Tax Supported Debt Total	27,325,000	68,475,665	14,592,884	28,816,000	18,165,000	117,604,134

WATER/SEWER SUPPORTED DEBT (ENTERPRISE FUND)	2021	2022	2023	2024	2025	TOTAL
W/S Revenue Bonds	63,553,500	131,538,000	73,252,826	31,824,000	32,489,000	332,657,326
Less Projects Appropriated in Previous Year						(25,806,000)
Water/Sewer Debt Total	\$ 63,553,500	\$ 131,538,000	\$ 73,252,826	\$ 31,824,000	\$ 32,489,000	\$ 306,851,326

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
2021 PROJECTS BY FUNDING SOURCE
CERTIFICATES OF OBLIGATION**

Project No.	Project Name	Amount
FACILITIES		
FA2001	Fire Station #4	3,684,000
FA2102	Police Training Center	510,000
	Sub-Total	4,194,000
STREETS		
TR1602	Safe Routes to School	773,400
TR2101	Broadway Expansion - SH 288 to SH 35	2,500,000
TR2106	Traffic Signal Upgrades Program FY21	450,000
	Sub-Total	3,723,400
CERTIFICATES OF OBLIGATION TOTAL		7,917,400

CITY OF PEARLAND
 2021 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
	Sub-Total	881,600
GENERAL OBLIGATION BONDS TOTAL		881,600

**CITY OF PEARLAND
2021 PROJECTS BY FUNDING SOURCE
2019 GENERAL OBLIGATION BONDS**

Project No.	Project Name	Amount
DRAINAGE		
DR1901	Piper Road Drainage	800,000
DR1902	Mimosa Acres Drainage Improvements	1,220,000
DR1903	Willowcrest Subdivision Drainage Improvements	2,000,000
	Sub-Total	4,020,000
FACILITIES		
FA1803	Animal Services Shelter	6,341,000
FA2003	Fire Training Burn Building Phase 1	1,170,000
	Sub-Total	7,511,000
STREETS		
TR1901	Street Reconstruction	2,230,000
TR1903	Pearland Parkway Traffic Circle Modifications	2,000,000
TR2002	Street Reconstruction - Sleepy Hollow	2,765,000
	Sub-Total	6,995,000
2019 GENERAL OBLIGATION BONDS TOTAL		18,526,000

**CITY OF PEARLAND
2021 PROJECTS BY FUNDING SOURCE
TIRZ REIMBURSABLE DEBT**

Project No.	Project Name	Amount
PARKS		
PK2001	Shadow Creek Ranch Park Phase II	4,500,000
PK2003	Shadow Creek Trail Phase II - Along Clear Creek Relief Ditch & Library Trail	1,325,000
	Sub-Total	5,825,000
FACILITIES		
FA1805	Shadow Creek Library	13,040,000
	Sub-Total	13,040,000
STREETS		
TR1905	Shadow Creek Parkway Landscaping, Street Lighting & Sidewalks	6,225,000
TR2003	Shadow Creek Ranch Sidewalk Extensions	932,464
TR2103	Intersection Improvements in Shadow Creek Ranch	1,519,500
	Sub-Total	8,676,964
TIRZ REIMBURSABLE DEBT TOTAL		27,541,964

CITY OF PEARLAND
 2021 PROJECTS BY FUNDING SOURCE
 HGAC TIP

Project No.	Project Name	Amount
STREETS		
TR1405	McHard Rd Extension - Mykawa Rd to Cullen Pkwy	27,376,000
TR1602	Safe Routes to School Improvements	2,553,600
	Sub-Total	29,929,600
HGAC TIP TOTAL		29,929,600

**CITY OF PEARLAND
2021 PROJECTS BY FUNDING SOURCE
W/S REVENUE BONDS**

Project No.	Project Name	Amount
WATER		
WA1901	Bailey Water Plant Improvements	4,280,000
WA2101	Liberty Elevated Storage Tank Rehabilitation	975,000
WA2102	Liberty Ground Storage Tank Rehabilitation	775,000
WA2105	South Corrigan Subdivision Transite Pipe Water Line Replacement	3,350,000
WA2106	Westwood Village Water Quality Program	925,000
	Sub-Total	10,305,000
WASTEWATER		
WW1502	Barry Rose WRF Expansion	8,378,750
WW1603	JHEC WRF Expansion	13,715,000
WW1906	Longwood Water Reclamation Facility Decommissioning	1,500,000
WW2001	Miller Ranch Regional Lift Station Odor Control & Rehabilitation	1,540,000
WW2004	Shadow Creek Regional Lift Station Generator	1,421,000
WW2007	Bailey Sewer Line - Veterans to Bailey Water Plant	600,000
WW2101	Sanitary Sewer Rehabilitation - Old Town District	4,000,000
	Sub-Total	31,154,750
W/S REVENUE BONDS TOTAL		41,459,750

**CITY OF PEARLAND
2021 PROJECTS BY FUNDING SOURCE
SYSTEM REVENUE - CASH**

Project No.	Project Name	Amount
WATER		
WA2004	Sleepy Hollow Dr / Washington Irving / Rip Van Winkle Dr Water Line Replacement	420,000
WA2103	FM 518 Utility Relocations (SH288 to Cullen Parkway)	100,000
WA2104	Water Production Facilities Rehabilitation	250,000
WA2107	SCADA	1,500,000
	Sub-Total	2,270,000
WASTEWATER		
WW2002	Royal Oaks Lift Station	308,000
WW2005	Sleepy Hollow Sanitary Sewer Rehabilitation	295,000
WW2006	Mykawa Road Sewer Relocation - Jasmine to S Orange Circle	242,000
WW2102	East & West Barnett Lift Stations Rehabilitation	206,000
WW2103	SCADA	500,000
	Sub-Total	1,551,000
SYSTEM REVENUE - CASH TOTAL		3,821,000

CITY OF PEARLAND
 2021 PROJECTS BY FUNDING SOURCE
 IMPACT FEES - DEBT

Project No.	Project Name	Amount
WASTEWATER		
WW1502	Barry Rose WRF Expansion	8,378,750
WW1603	JHEC WRF Expansion	13,715,000
	Sub-Total	22,093,750
IMPACT FEES - DEBT TOTAL		22,093,750

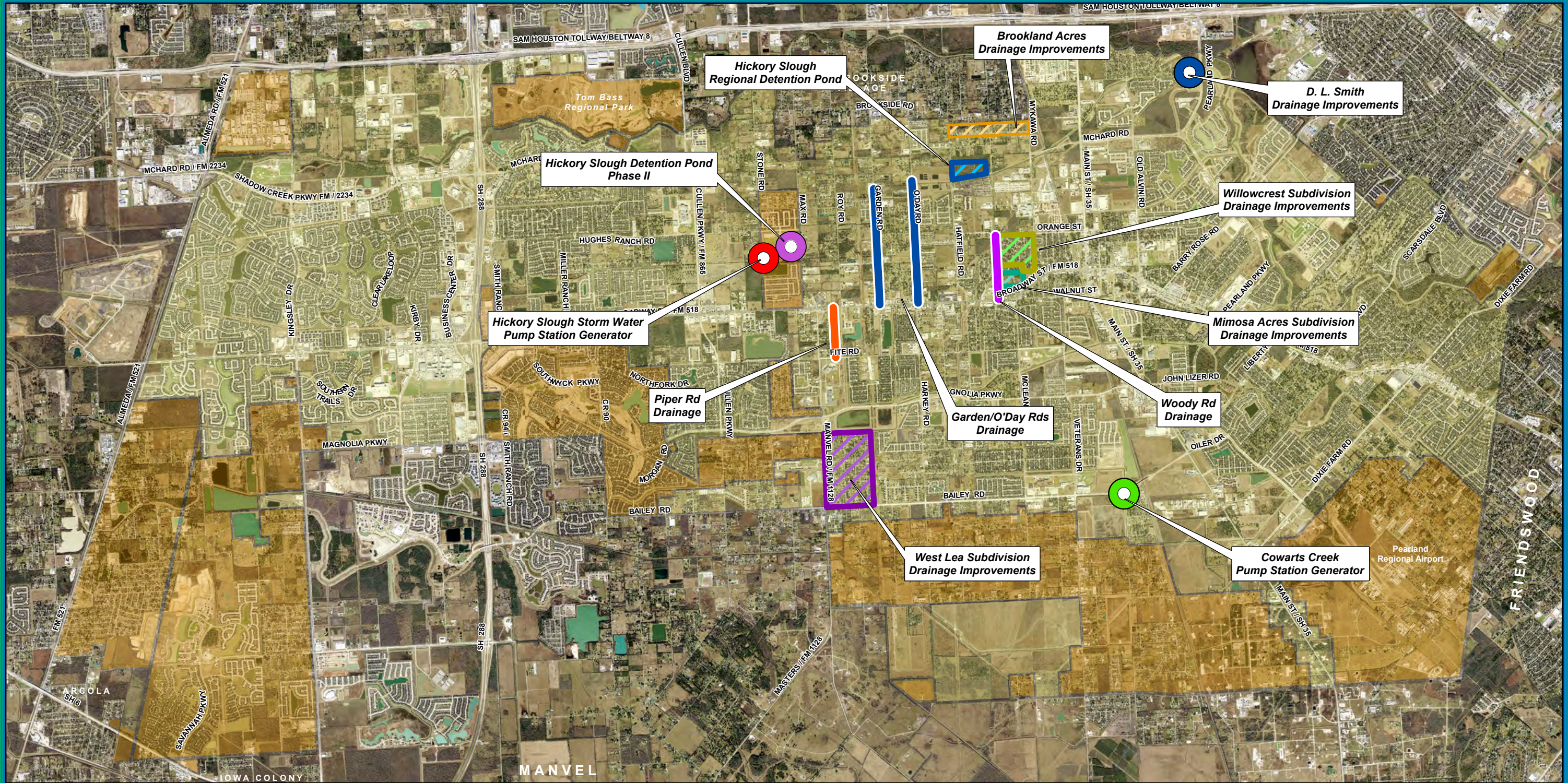
**CITY OF PEARLAND
2021 PROJECTS BY FUNDING SOURCE
OTHER FUNDING SOURCES**

Project No.	Project Name	Amount
DRAINAGE		
DR2102	Brookland Acres Drainage Improvements	138,192
DR2103	Garden Road/O'Day Road Drainage Improvements	144,067
DR2104	Woody Road Drainage Improvements	283,988
	Sub-Total	566,247
FACILITIES		
FA2101	Fiber Backbone	591,750
	Sub-Total	591,750
STREETS		
TR2102	Clear Creek Bridge Replacement	250,000
	Sub-Total	250,000
WATER		
WA2108	Magnolia Parkway Water Line Looping (Kirby Drive to Granite Trace Lane)	70,000
	Sub-Total	70,000
OTHER FUNDING SOURCES TOTAL		945,738
OTHER FUNDING SOURCES TOTAL		1,477,997
GRAND TOTAL ALL FUNDING SOURCES		153,649,061

**CITY OF PEARLAND
2021 - 2025 CAPITAL IMPROVEMENT PROGRAM
DRAINAGE**

Project No.	Project Name	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
DR1901	Piper Road Drainage	1,151,000						1,151,000	
DR1902	Mimosa Acres Drainage Improvements	1,690,000						1,690,000	
DR1903	Willowcrest Subdivision Drainage Improvements	2,086,000	13,840,000					15,926,000	13,840,000
DR1904	West Lea Subdivision Drainage Improvements	600,000	4,892,000					5,492,000	4,892,000
DR1905	Hickory Slough Regional Detention Pond	1,625,000	3,000,000					4,625,000	3,000,000
DR2002	D.L. Smith Area Drainage Improvements	1,738,036		485,000	2,615,000			4,838,036	3,100,000
DR2101	Cowarts Creek Detention Pump Station Generator		900,000					900,000	900,000
DR2102	Brookland Acres Drainage Improvements		138,192	933,916				1,072,108	1,072,108
DR2103	Garden Rd/O'Day Rd Drainage Improvements		144,067	1,011,987				1,156,054	1,156,054
DR2104	Woody Road Drainage Improvements		283,988					283,988	283,988
DR2301	Hickory Slough Detention Pond Ph 2				499,000	3,740,000		4,239,000	4,239,000
DR2401	Hickory Slough Detention Storm Water Pump Station Generator					900,000		900,000	900,000
	TOTAL	8,890,036	23,198,247	2,430,903	3,114,000	4,640,000		42,273,186	33,383,150

SOURCE OF FUNDS	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
<i>Non-Debt Funded</i>								
Other Funding Sources*	1,625,000	566,247	1,945,903				4,137,150	2,512,150
<i>Tax Supported Debt (Debt Service Fund)</i>								
Certificates of Obligation	88,036		3,900,000	287,742	900,000		5,175,778	5,087,742
2007 General Obligation Bonds	1,650,000		485,000	2,327,258			4,462,258	2,812,258
2019 General Obligation Bonds	3,507,000	4,020,000	16,732,000	499,000	3,740,000		28,498,000	24,991,000
<i>Less Projects Appropriated in Previous Year</i>								<i>(2,020,000)</i>
TOTAL	6,870,036	4,586,247	23,062,903	3,114,000	4,640,000		42,273,186	33,383,150



CITY OF PEARLAND

2021-2025

Capital Improvement Projects

Drainage

- D. L. Smith Detention Pond Expansion Phase I
- Hickory Slough Detention Pond Phase II
- D. L. Smith Area Drainage Improvements
- Cowarts Creek Detention Pump Station Generator
- Hickory Slough Storm Water Pump Station Generator
- ▭ Mimosa Acres Drainage Improvements
- ▭ West Lea Subdivision Improvements
- ▭ Willowcrest Subdivision Drainage Improvements
- ▭ Hickory Slough Regional Detention Pond
- ▭ Brookland Acres Drainage Improvements
- ▭ Piper Road Drainage
- ▭ Garden/O'Day Drainage Improvements
- ▭ Woody Road Drainage Improvements
- ▭ City Limits
- ▭ ETJ



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: AUGUST 2020
CITY OF PEARLAND GIS DEPARTMENT

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Piper Road Drainage				DR1901		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
Drainage improvements along Piper Road from FM 518 to Fite Road, will review the existing open ditch drainage system on Piper Road. The project will be to re-grade the ditches and reset driveway culverts to move the high point of the road further north. The project will include an asphalt overlay of the road to repair damage due to the drainage improvements. The improvements 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.									
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. The area was identified in the Harvey Drainage Assessment Report as a local drainage improvement project.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
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	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way		\$100,000							
Design/Surveying	\$200,000	\$120,000	\$200,000						\$200,000
Construction	\$900,000	\$800,000	\$900,000						\$900,000
Equipment and Furniture									
Contingency	\$51,000	\$131,000	\$51,000						\$51,000
TOTAL COSTS	\$1,151,000	\$1,151,000	\$1,151,000	\$0	\$0	\$0	\$0	\$0	\$1,151,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$1,151,000	\$1,151,000	\$351,000	\$800,000					\$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	\$1,151,000	\$351,000	\$800,000	\$0	\$0	\$0	\$0	\$1,151,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Mimosa Acres Drainage Improvements				DR1902		On Going			
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.									
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. This was an area identified in the Harvey Drainage Assessment Report as a local drainage improvement project.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$30,000	\$30,000	\$30,000						\$30,000
Design/Surveying	\$190,000	\$190,000	\$190,000						\$190,000
Construction	\$1,220,000	\$1,220,000	\$1,220,000						\$1,220,000
Equipment and Furniture									
Contingency	\$250,000	\$250,000	\$250,000						\$250,000
TOTAL COSTS	\$1,690,000	\$1,690,000	\$1,690,000	\$0	\$0	\$0	\$0	\$0	\$1,690,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$1,690,000	\$1,690,000	\$470,000	\$1,220,000					\$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	\$1,690,000	\$470,000	\$1,220,000	\$0	\$0	\$0	\$0	\$1,690,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Willowcrest Subdivision Drainage Improvements				DR1903		On Going			
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$500,000		\$500,000						\$500,000
Design/Surveying	\$1,200,000	\$1,780,000	\$1,200,000						\$1,200,000
Construction	\$11,840,000	\$11,840,000		\$11,840,000					\$11,840,000
Equipment and Furniture									
Contingency	\$2,386,000	\$2,306,000	\$386,000	\$2,000,000					\$2,386,000
TOTAL COSTS	\$15,926,000	\$15,926,000	\$2,086,000	\$13,840,000	\$0	\$0	\$0	\$0	\$15,926,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$15,926,000	\$2,086,000	\$2,086,000	\$2,000,000	\$11,840,000				\$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	\$2,086,000	\$2,086,000	\$2,000,000	\$11,840,000	\$0	\$0	\$0	\$15,926,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
West Lea Subdivision Drainage Improvements				DR1904		On Going			
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. Subdivision drainage is currently served by an inadequate open ditch system.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$1,856	\$2,475	\$2,475	\$2,475				
Capital Outlay									
Total Expense		\$1,856	\$2,475	\$2,475	\$2,475				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$600,000	\$550,000	\$600,000						\$600,000
Construction	\$3,660,000	\$3,660,000		\$3,660,000					\$3,660,000
Equipment and Furniture									
Contingency	\$1,232,000	\$1,282,000		\$1,232,000					\$1,232,000
TOTAL COSTS	\$5,492,000	\$5,492,000	\$600,000	\$4,892,000	\$0	\$0	\$0	\$0	\$5,492,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$5,492,000	\$5,492,000	\$600,000		\$4,892,000				\$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	\$5,492,000	\$600,000	\$0	\$4,892,000	\$0	\$0	\$0	\$5,492,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Hickory Slough Regional Detention Pond				DR1905		On Going				
PROJECT DESCRIPTION				PROJECT IMAGE						
The project will be to excavate and provide regional detention to an area that is in need of stormwater mitigation. The City and BDD4 partnered to purchase and excavate the property to its ultimate capacity and will provide approximately 230 acre-feet of storage along the Hickory Slough located between Hatfield Road and Woody Road.										
PROJECT JUSTIFICATION										
The Hickory Slough area is in need of conveyance and detention capacity as defined in the City/BDD4 Master Drainage Plan. The Master Drainage Plan calls for approximately 3,800 acre feet of detention to provide a 100-yr level of service for the entire stretch of Hickory Slough. The project will provide approximately 8% of this need detention. The Hickory Slough currently has limited capacity due to the channel width, depth and lack of detention. This is a 50/50 partnership between BDD4 and the City for land acquisition, design and construction.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way		\$1,600,000		\$1,600,000						\$1,600,000
Design/Surveying		\$25,000		\$25,000						\$25,000
Construction		\$2,800,000			\$2,800,000					\$2,800,000
Equipment and Furniture										
Contingency		\$200,000			\$200,000					\$200,000
TOTAL COSTS		\$4,625,000	\$0	\$1,625,000	\$3,000,000	\$0	\$0	\$0	\$0	\$4,625,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$3,000,000				\$3,000,000				\$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 -		\$1,625,000		\$1,625,000						\$1,625,000
TOTAL SOURCES		\$4,625,000	\$0	\$1,625,000	\$0	\$3,000,000	\$0	\$0	\$0	\$4,625,000
*Explain & Identify Type of Other Sources: \$1M transferred from DL Smith (DR2002), \$600K received from BDD4, and \$25K from fund balance.										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
D. L. Smith Area Drainage Improvements				DR2002		On Going			
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. Harris County Flood Control District is determining the utilization of the existing detention pond & surrounding areas for the Clear Creek project.									
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 Pearlard Parkway, and will be able to provide additional detention for the expansion of the University of Houston Clear Lake - Pearlard 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$1,125	\$4,500	\$4,500	\$4,500				
Capital Outlay									
Total Expense		\$1,125	\$4,500	\$4,500	\$4,500				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report	\$87,946	\$87,946	\$87,946						\$87,946
Land/Right of Way	\$1,550,090	\$1,550,090	\$1,550,090						\$1,550,090
Design/Surveying	\$505,000	\$100,000	\$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	\$1,738,036	\$1,738,036	\$0	\$485,000	\$2,615,000	\$0	\$0	\$4,838,036
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,650,000	\$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	\$1,738,036	\$1,738,036	\$0	\$485,000	\$2,615,000	\$0	\$0	\$4,838,036
*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			
Cowarts Creek Detention Pump Station Generator					DR2101		4			
PROJECT DESCRIPTION					PROJECT IMAGE					
Cowarts Creek Pump Station is located at a critical detention pond that requires a permanent back up diesel generator with automatic transfer switch during times of power loss.										
PROJECT JUSTIFICATION										
Due to the critical nature of this storm water pump station it 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. The facility is not easily accessible during time of flooding to support portable power.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$180,000			\$180,000					\$180,000
Construction		\$600,000			\$600,000					\$600,000
Equipment and Furniture										
Contingency		\$120,000			\$120,000					\$120,000
TOTAL COSTS		\$900,000	\$0	\$0	\$900,000	\$0	\$0	\$0	\$0	\$900,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$900,000				\$900,000				\$900,000
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		\$900,000	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$900,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Brookland Acres Drainage Improvements				DR2102		1			
PROJECT DESCRIPTION				PROJECT IMAGE					
Brookland Acres subdivision is located north of Hickory Slough between Mykawa Road and Woody Rd. The project will include regrading of the ditch as well as replacement of culverts and driveways along Scott Ln and Woody Street right of way. The regrading of the ditch along with properly sized culverts will improve conveyance capacity of the ditches which will help reduce the flooding in Brookland Acres subdivision. The subdivision lies within the CDBG target area and was identified in the Harvey Drainage Assessment Report for a local drainage improvement project.									
PROJECT JUSTIFICATION									
The project will help reduce the flooding of homes and streets by improving the conveyance capacity of ditches and removing storm water to Hickory Slough.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$138,192			\$138,192					\$138,192
Construction	\$933,916				\$933,916				\$933,916
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$1,072,108	\$0	\$0	\$138,192	\$933,916	\$0	\$0	\$0	\$1,072,108
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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 -	\$1,072,108			\$138,192	\$933,916				\$1,072,108
TOTAL SOURCES	\$1,072,108	\$0	\$0	\$138,192	\$933,916	\$0	\$0	\$0	\$1,072,108
¹ Explain & Identify Type of Other Sources: Potential grant funding from GLO									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Garden Road/O'Day Road Drainage Improvements					DR2103		2		
PROJECT DESCRIPTION					PROJECT IMAGE				
Drainage ditch improvement along Garden Road and O'Day Road from Broadway Street to approximately 5,700' North. The project will include regrading of the ditch as well as replacement of culverts and driveways within the road right of way. The regrading of the ditch along with properly sized culverts will improve conveyance capacity of the ditches which will help reduce the flooding in the neighborhoods located between Garden Rd and O'Day Rd. The area was identified in the Harvey Drainage Assessment Report for a local drainage improvement project.									
PROJECT JUSTIFICATION									
The project will help reduce the flooding of homes and streets by improving the conveyance capacity of ditches and removing storm water to Hickory Slough.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$144,067			\$144,067					\$144,067
Construction	\$1,011,987				\$1,011,987				\$1,011,987
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$1,156,054	\$0	\$0	\$144,067	\$1,011,987	\$0	\$0	\$0	\$1,156,054
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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 -	\$1,156,054			\$144,067	\$1,011,987				\$1,156,054
TOTAL SOURCES	\$1,156,054	\$0	\$0	\$144,067	\$1,011,987	\$0	\$0	\$0	\$1,156,054
¹ Explain & Identify Type of Other Sources: Potential grant funding from GLO									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Woody Road Drainage Improvements				DR2104		3				
PROJECT DESCRIPTION				PROJECT IMAGE						
Drainage ditch improvement along Woody Road between Broadway Street and Orange Street. The project will include regrading of the ditch as well as replacement of culverts and driveways within the road right of way. The regrading of the ditch along with properly sized culverts will improve conveyance capacity of the ditches which will help reduce the flooding in Mimosa Acre Subdivision and Corrigan North Subdivision. The area was identified in the Harvey Drainage Assessment Report for a local drainage improvement project.										
PROJECT JUSTIFICATION										
The project will help reduce the flooding of homes and streets by improving the conveyance capacity of ditches and removing storm water to storm sewer system along Orange Street.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$32,178			\$32,178					\$32,178
Construction		\$251,810			\$251,810					\$251,810
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$283,988	\$0	\$0	\$283,988	\$0	\$0	\$0	\$0	\$283,988
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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 -		\$283,988			\$283,988					\$283,988
TOTAL SOURCES		\$283,988	\$0	\$0	\$283,988	\$0	\$0	\$0	\$0	\$283,988
¹ Explain & Identify Type of Other Sources: Potential grant funding from GLO										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Hickory Slough Detention Pond Ph 2				DR2301		5			
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 an additional 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.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$499,000	\$3,740,000	\$0	\$4,239,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$499,000	\$3,740,000	\$0	\$4,239,000
¹ Explain & Identify Type of Other Sources:									

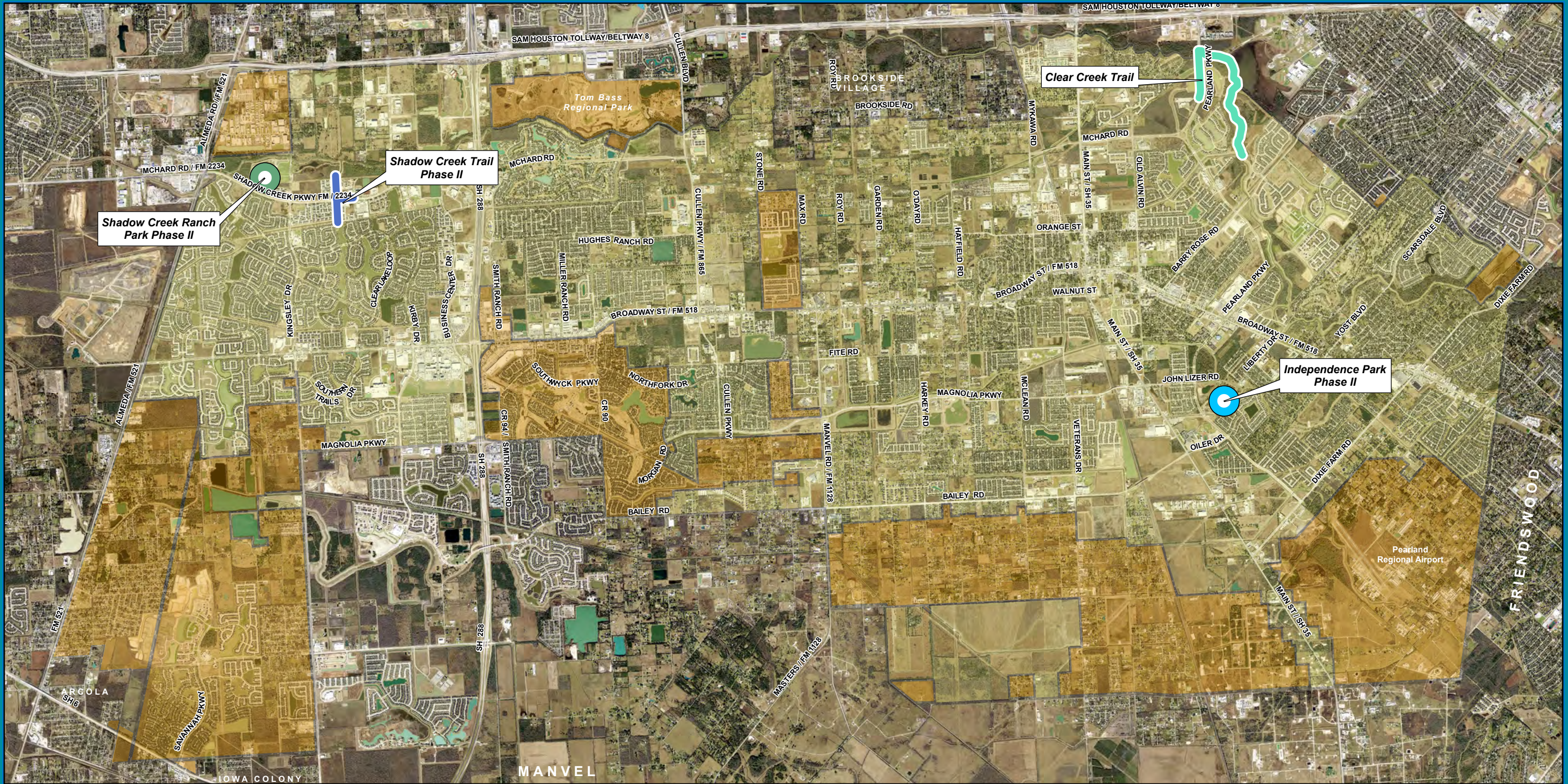
PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Hickory Slough Detention Storm Water Pump Station Generator					DR2401		6			
PROJECT DESCRIPTION					PROJECT IMAGE					
Hickory Slough Pump Station is located at a critical detention pond that requires a permanent back up generator with automatic transfer switch during times of power loss.										
PROJECT JUSTIFICATION										
Due to the critical nature of this storm water pump station it 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$180,000						\$180,000		\$180,000
Construction		\$600,000						\$600,000		\$600,000
Equipment and Furniture										
Contingency		\$120,000						\$120,000		\$120,000
TOTAL COSTS		\$900,000	\$0	\$0	\$0	\$0	\$0	\$900,000	\$0	\$900,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$900,000						\$900,000		\$900,000
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		\$900,000	\$0	\$0	\$0	\$0	\$0	\$900,000	\$0	\$900,000
¹ Explain & Identify Type of Other Sources:										

**CITY OF PEARLAND
2021 - 2025 CAPITAL IMPROVEMENT PROGRAM
PARKS**

Project No.	Project Name	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
PK1904	Clear Creek Trail	1,700,000		9,100,000				10,800,000	9,100,000
PK2001	Shadow Creek Ranch Park Phase II	10,016,834						10,016,834	
PK2003	Shadow Creek Trail Phase II - Along Clear Creek Relief Ditch & Library Trail	250,000	1,325,000					1,575,000	1,325,000
PK2101	Park Equipment Recapitalization Program		500,000					500,000	500,000
PK2201	Park Equipment Recapitalization Program			500,000				500,000	500,000
PK2301	Park Equipment Recapitalization Program				500,000			500,000	500,000
PK2401	Independence Park Phase II					1,236,000	10,140,000	11,376,000	11,376,000
	TOTAL	11,966,834	1,825,000	9,600,000	500,000	1,236,000	10,140,000	35,267,834	23,301,000

SOURCE OF FUNDS	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
<i>Non-Debt Funded</i>								
Other Funding Sources	708,834		320,000				1,028,834	320,000
<i>Leveraged Outside Funds</i>								
TIRZ Reimbursable Debt	5,470,000	5,825,000					11,295,000	5,825,000
HGAC - TIP	788,000		5,896,128				6,684,128	5,896,128
<i>Tax Supported Debt (Debt Service Fund)</i>								
Certificates of Obligation	500,000		2,883,872				3,383,872	2,883,872
2007 General Obligation Bonds								
2019 General Obligation Bonds			1,000,000	500,000			1,500,000	1,500,000
Future GO Bond Package					1,236,000	10,140,000	11,295,000	11,376,000
<i>Less Projects Appropriated in Previous Year</i>								<i>(4,500,000)</i>
TOTAL	7,466,834	5,825,000	10,100,000	500,000	1,236,000	10,140,000	35,186,834	23,301,000

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



CITY OF PEARLAND

2021-2025

Capital Improvement Projects

Parks



Independence Park Phase II



Shadow Creek Ranch Park Phase II

Clear Creek Trail

Shadow Creek Trail Phase II

City Limits

ETJ

Projects Not Shown
*Park Equipment Recapitalization 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 2020
CITY OF PEARLAND GIS DEPARTMENT


PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Clear Creek Trail						PK1904		On Going	
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 and received HGAC funding. 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services				52,451	108,049				
Operation & Maintenance			14,244	16,724	17,682				
Capital Outlay									
Total Expense			14,244	69,175	125,731				
FTE Staff Total				1.0	1.0				
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$250,000	\$250,000	\$250,000						\$250,000
Design/Surveying	\$985,000	\$850,000	\$985,000						\$985,000
Construction	\$8,100,000				\$8,100,000				\$8,100,000
Equipment and Furniture									
Contingency	\$1,465,000	\$600,000	\$465,000		\$1,000,000				\$1,465,000
TOTAL COSTS	\$10,800,000	\$1,700,000	\$1,700,000	\$0	\$9,100,000	\$0	\$0	\$0	\$10,800,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$3,383,872	\$500,000	\$500,000		\$2,883,872				\$3,383,872
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP	\$6,684,128	\$740,000	\$788,000		\$5,896,128				\$6,684,128
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$732,000	\$460,000	\$412,000		\$320,000				\$732,000
TOTAL SOURCES	\$10,800,000	\$1,700,000	\$1,700,000	\$0	\$9,100,000	\$0	\$0	\$0	\$10,800,000
¹ Explain & Identify Type of Other Sources: Includes HGAC TIP funds in the amount of \$6,684,128 and Park Zone 1 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					
Shadow Creek Ranch Park Phase II		PK2001		On Going					
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. This project was submitted to the TIRZ #2 and was approved to receive funding.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services			101,846	209,804	216,098				
Operation & Maintenance	11,618	24,397	28,984	172,220	180,831				
Capital Outlay									
Total Expense	11,618	24,397	130,830	382,024	396,929				
FTE Staff Total			2.0	2.0					
PROJECT COSTS ALLOCATION		TOTAL BUDGET		FY PROJECTED ALLOCATIONS					
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying		\$600,000	\$650,000	\$600,000					\$600,000
Construction		\$9,100,000	\$7,630,000	\$9,100,000					\$9,100,000
Equipment and Furniture									
Contingency		\$316,834	\$1,440,000	\$316,834					\$316,834
TOTAL COSTS		\$10,016,834	\$9,720,000	\$10,016,834	\$0	\$0	\$0	\$0	\$10,016,834
FUNDING SOURCES		TOTAL BUDGET		FY PROJECTED FUNDING SOURCES					
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$9,720,000	\$5,220,000	\$4,500,000				\$9,720,000
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -		\$296,834	\$296,834						\$296,834
TOTAL SOURCES		\$10,016,834	\$9,720,000	\$5,516,834	\$4,500,000	\$0	\$0	\$0	\$10,016,834
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$650,000 in 2019 (TIRZ). \$296834 transferred from SCR Park Phase I (P20002).									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Shadow Creek Trail Phase II - Along Clear Creek Relief Ditch & Library Trail				PK2003		On Going			
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 Shadow Creek Trail via the Clear Creek Relief channel to the Clear Creek trail and also provide a multi-use path to the future Shadow Creek Library. This project was submitted to the TIRZ #2 and was approved to receive funding.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			5,000	5,000	5,000				
Capital Outlay									
Total Expense			5,000	5,000	5,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$225,000	\$225,000	\$225,000						\$225,000
Construction	\$1,125,000			\$1,125,000					\$1,125,000
Equipment and Furniture									
Contingency	\$225,000	\$25,000	\$25,000	\$200,000					\$225,000
TOTAL COSTS	\$1,575,000	\$250,000	\$250,000	\$1,325,000	\$0	\$0	\$0	\$0	\$1,575,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt	\$1,575,000	\$250,000	\$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	\$250,000	\$250,000	\$1,325,000	\$0	\$0	\$0	\$0	\$1,575,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Park Equipment Recapitalization Program						PK2101		1		
PROJECT DESCRIPTION						PROJECT IMAGE				
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, irrigation & dog park amenities. FY21 will focus on repairs to amenities and improvements to accessibility of the park system. These efforts will enhance the user-experience of our current offerings, providing our citizens with a functioning & exceptional park experience. Types of improvements will include restroom replacements & improvements, fencing repairs, replacement of amenities such as concrete pads, benches & trash cans, ADA connections in older parks that address playground safety surfaces, access to areas such as sidewalk connections & improving crossings, & replacement of aging park signage for visibility, safety & enforceable compliance. Primary areas will be Hickory Slough Sports Complex, Centennial, Independence Dog Park, Woody Street, Independence, Southdown, Zychlinski, & System-Wide (Signage) Parks.										
PROJECT JUSTIFICATION										
As our population base grows, proportionally the use and wear on our assets grows. 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction										
Equipment and Furniture	\$500,000				\$500,000					\$500,000
Contingency										
TOTAL COSTS	\$500,000	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds	\$500,000					\$500,000				\$500,000
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	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$500,000
*Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Park Equipment Recapitalization Program					PK2201		2		
PROJECT DESCRIPTION					PROJECT IMAGE				
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, irrigation & dog park amenities. FY22 will focus on the installation of shade structures over bleachers and playgrounds. Through these efforts, the department provide the ability to recreate year-round, which will result in increased usage of amenities. Types of improvements will include shade structure installation that are in alignment with updated recommendations from governing bodies. Primary target areas will be Southgate, Pasternak, Pine Hollow, Cypress Village and Centennial Parks.									
PROJECT JUSTIFICATION									
As our population base grows, proportionally the use and wear on our assets grows. 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction									
Equipment and Furniture	\$500,000				\$500,000				\$500,000
Contingency									
TOTAL COSTS	\$500,000	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$500,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$500,000				\$500,000				\$500,000
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	\$500,000	\$0	\$0	\$0	\$500,000	\$0	\$0	\$0	\$500,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Park Equipment Recapitalization Program						PK2301		3		
PROJECT DESCRIPTION						PROJECT IMAGE				
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, irrigation & dog park amenities. FY23 will focus on replacement of pathways and walkways that need repair. Through these efforts, the department will bridge the gap and make connections that continue to improve on overall accessibility and longevity of the Parks system. Types of improvements will include repair to sidewalks, trails and pathways. Primary target areas will be identified through the multi-modal master plan findings.										
PROJECT JUSTIFICATION										
As our population base grows, proportionally the use and wear on our assets grows. 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction										
Equipment and Furniture		\$500,000					\$500,000			\$500,000
Contingency										
TOTAL COSTS		\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds		\$500,000					\$500,000			\$500,000
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		\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000
¹ Explain & Identify Type of Other Sources:										

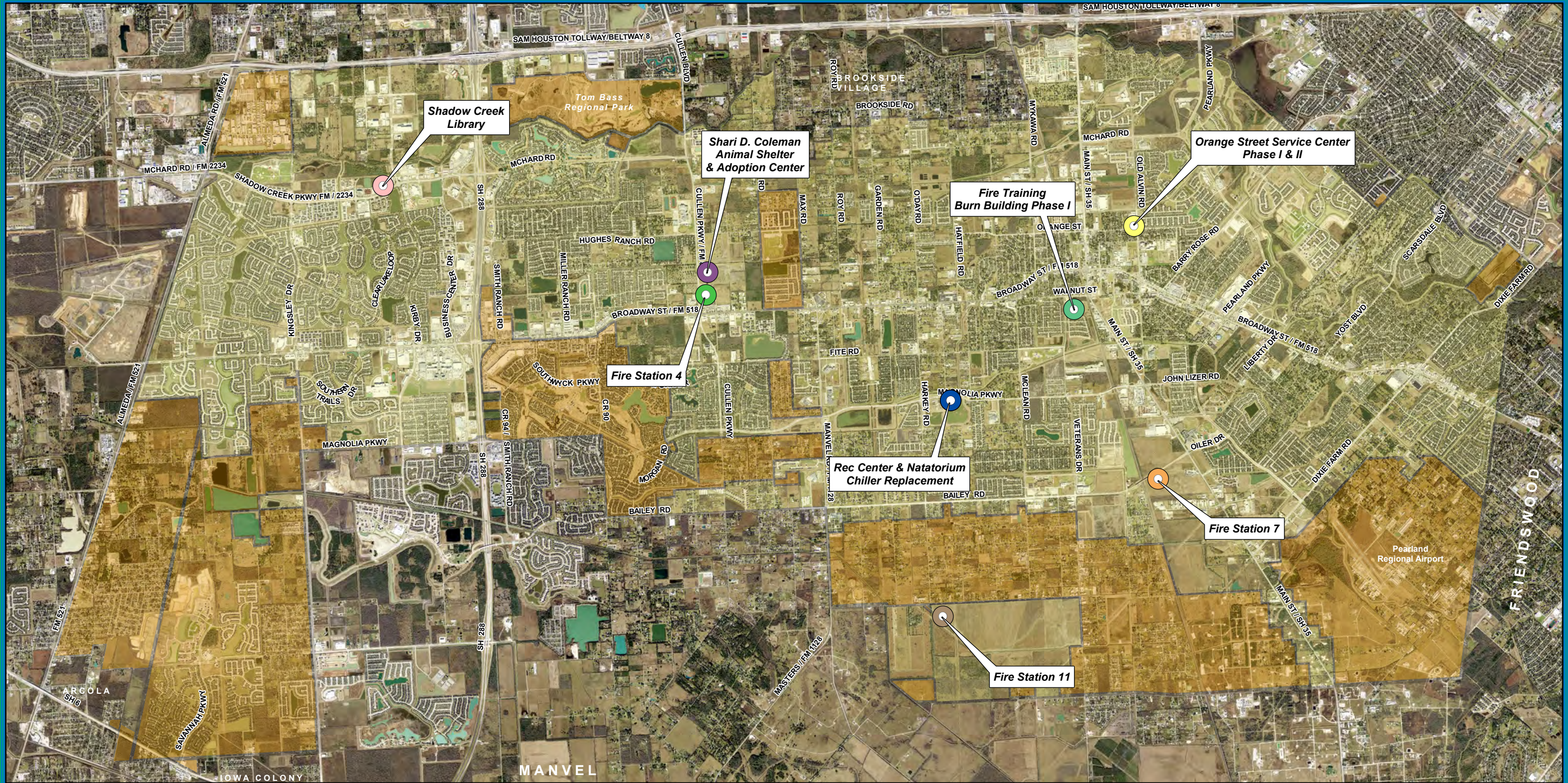
PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Independence Park Phase II					PK2401		4		
PROJECT DESCRIPTION					PROJECT IMAGE				
Phase II improvements to Independence Park will build off of amenities completed in Phase I. Planned amenities include the incorporation of the adjacent detention pond as 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 the 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance					25,154				
Capital Outlay									
Total Expense					25,154				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$1,236,000						\$1,236,000		\$1,236,000
Construction	\$8,240,000							\$8,240,000	\$8,240,000
Equipment and Furniture	\$250,000							\$250,000	\$250,000
Contingency	\$1,650,000							\$1,650,000	\$1,650,000
TOTAL COSTS	\$11,376,000	\$0	\$0	\$0	\$0	\$0	\$1,236,000	\$10,140,000	\$11,376,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$10,140,000	\$11,376,000
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	\$1,236,000	\$10,140,000	\$11,376,000
¹ Explain & Identify Type of Other Sources:									

**CITY OF PEARLAND
2021 - 2025 CAPITAL IMPROVEMENT PROGRAM
FACILITIES**

Project No.	Project Name	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
FA1404	Orange Street Service Center Phase 1	10,450,000						10,450,000	
FA1702	Facilities Assessment and Maintenance Plan	300,000						300,000	
FA1803	Shari D. Coleman Animal Shelter and Adoption Center	1,696,000	11,341,000					13,037,000	11,341,000
FA1804	Fire Station #7	50,000			1,600,000	6,680,000		8,330,000	8,280,000
FA1805	Shadow Creek Library	2,960,000	20,540,000					23,500,000	20,540,000
FA1902	Orange Street Service Center Phase 2	1,670,000	21,000,000	2,680,000				25,350,000	23,680,000
FA2001	Fire Station #4	1,435,000	7,184,000					8,619,000	7,184,000
FA2002	Fire Station #11			350,000		2,230,000	7,275,000	9,855,000	9,855,000
FA2003	Fire Training Burn Building Phase 1	130,000	1,170,000					1,300,000	1,170,000
FA2101	Fiber Backbone - Magnolia from Harkey Rd to Cullen Parkway		591,750					591,750	591,750
FA2102	Police Training Center		510,000	2,650,000				3,160,000	3,160,000
FA2201	Fiber Backbone (Cullen Parkway from Magnolia to PSB)			492,750				492,750	492,750
FA2202	Recreation Center & Natatorium Chiller Replacement			275,000				275,000	275,000
FA2301	City Hall Back-Up Power Redundancy for Critical Facility				1,125,000			1,125,000	1,125,000
FA2302	Fiber Backbone (Magnolia from Cullen to Smith Ranch Rd)				736,000			736,000	736,000
FA2401	Fiber Backbone (Cullen Parkway from PSB to McHard)					409,750		409,750	409,750
FA2501	Fiber Backbone Magnolia (Smith Ranch Rd to Kirby Water Plant)						702,000	702,000	702,000
	TOTAL	18,691,000	62,336,750	6,447,750	3,461,000	9,319,750	7,977,000	108,233,250	89,542,250

SOURCE OF FUNDS	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
<i>Non-Debt Funded</i>								
General Revenue - Cash	12,000			368,000	204,875	351,000	935,875	923,875
System Revenues - Cash			246,375	368,000	204,875	351,000	1,170,250	1,170,250
Other Funding Sources*	2,085,290	591,750	521,375				3,198,415	1,113,125
<i>Leveraged Outside Funds</i>								
TIRZ Reimbursable Debt	2,960,000	13,040,000	7,500,000				23,500,000	20,540,000
<i>Tax Supported Debt (Debt Service Fund)</i>								
Certificates of Obligation	7,250,000	4,194,000	13,172,000	3,878,884	9,075,000	7,275,000	44,844,884	37,594,884
2019 General Obligation Bonds	1,664,000	7,511,000	5,000,000				14,175,000	12,511,000
<i>Water/Sewer Supported Debt (Enterprise Fund)</i>								
W/S Revenue Bonds	6,945,000		10,008,000	3,455,826			20,408,826	13,463,826
<i>Plus Bonds Sold in Prior Years</i>								
								2,225,290
TOTAL	20,916,290	25,336,750	36,447,750	8,070,710	9,484,750	7,977,000	108,233,250	89,542,250

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.



CITY OF PEARLAND

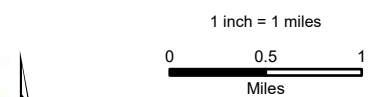
2021-2025

Capital Improvement Projects

Facilities


- Shari D. Coleman Animal Shelter & Adoption Center
- Fire Station 4
- Fire Station 7
- Shadow Creek Library
- Fire Station 11
- Fire Training Building Phase I
- Orange St Service Center Phase I & II
- Rec Center & Natatorium Chiller Replacement
- City Limits
- ETJ


Projects Not Shown
 *Facilities Assessment and Maintenance Plan
 *City Hall Back-Up Power Redundancy for Critical Facility
 *Fiber Backbone




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 2020
 CITY OF PEARLAND GIS DEPARTMENT

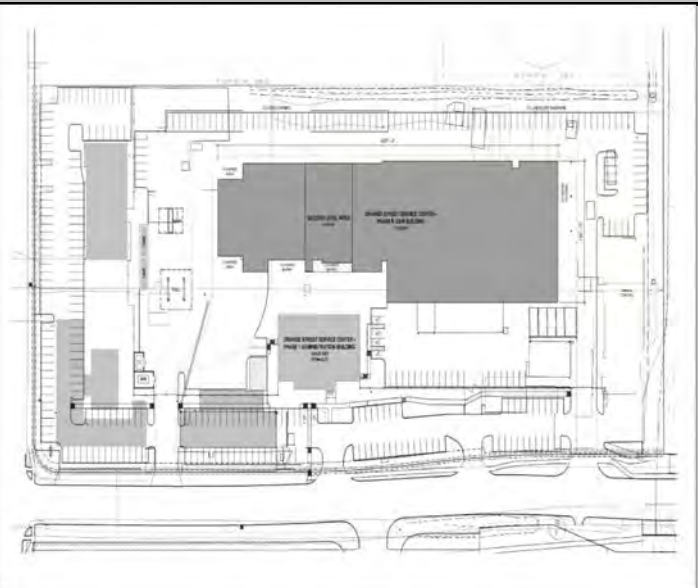
PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Orange Street Service Center Phase 1				FA1404		Ongoing			
PROJECT DESCRIPTION				PROJECT IMAGE					
The project encompasses the construction of the new Field Operations Parking Lot (completed), an 18,000 SF Administration building with supporting parking and site improvements to house both the Public Works administrative staff and Engineering and Capital Projects staff, and replacement of the fuel island with above ground tanks to accommodate the new facilities. Phase 2 will include an 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 thirty years, with many buildings dating to the early to mid-1970s, exceeding their useful life. The existing buildings do not meet current windstorm requirements and no longer meet many current life safety and ADA codes. Additionally, both new buildings on site will serve as the Public Works satellite Emergency Operations Center (EOC) for its critical operations when the City's EOC is activated and will meet all current windstorm ratings.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance	46,235	97,094	101,948	107,046	112,398				
Capital Outlay	2,500								
Total Expense	48,735	97,094	101,948	107,046	112,398				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$650,000	\$645,290	\$650,000						\$650,000
Construction	\$8,300,000	\$9,990,000	\$8,300,000						\$8,300,000
Equipment and Furniture	\$800,000	\$800,000	\$800,000						\$800,000
Contingency	\$700,000	\$800,000	\$700,000						\$700,000
TOTAL COSTS	\$10,450,000	\$12,235,290	\$10,450,000	\$0	\$0	\$0	\$0	\$0	\$10,450,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$4,180,000	\$4,894,116	\$4,180,000						\$4,180,000
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$6,270,000	\$7,341,174	\$6,270,000						\$6,270,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$10,450,000	\$12,235,290	\$10,450,000	\$0	\$0	\$0	\$0	\$0	\$10,450,000
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. \$1,785,290 moved to Orange Street Service Center Phase II (FA1902)									


PROJECT NAME						PROJECT #	PREFERENCE ORDER			
Facilities Assessment and Maintenance Plan						FA1702	Ongoing			
PROJECT DESCRIPTION										
<p>The purpose of the Facilities assessment is to provide comprehensive documentation and analysis of the City's existing 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$300,000	\$300,000	\$300,000							\$300,000
Construction										
Equipment and Furniture										
Contingency										
TOTAL COSTS	\$300,000	\$300,000	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$300,000	\$300,000							\$300,000
TOTAL SOURCES	\$300,000	\$300,000	\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000
*Explain & Identify Type of Other Sources: Fund 501 fund balance \$300,000.										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Shari D. Coleman Animal Shelter and Adoption Center					FA1803		Ongoing		
PROJECT DESCRIPTION					PROJECT IMAGE				
Construct a 21,000 sq. ft. animal shelter at the Public Safety Complex located at Cullen Rd and Freedom Drive to house 16 staff members, dog runs to house approximately 103 canines, and space for approximately 98 felines. Quarantine and isolation areas will be in compliance with State Law. An adoption center with rooms for potential adoption interaction and observation, veterinary service room, medical suite, laundry room, food storage areas, freezer, and a generator are also planned for the facility.									
PROJECT JUSTIFICATION									
The average population of the shelter is 38 canines and 44 felines. The maximum holding capacity is 82 animals. There is capacity for up to 8 livestock animals. The current building is maintenance intensive and at the end of its useful life. The facility is programmed to meet the demands to 2035.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services		146,775	201,571	207,618	213,847				
Operation & Maintenance		155,979	220,068	364,291	382,506				
Capital Outlay	2,200	5,460							
Total Expense	2,200	308,214	421,639	571,910	596,353				
FTE Staff Total	1.0	3.0							
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report	\$21,000	\$21,000	\$21,000						\$21,000
Land/Right of Way									
Design/Surveying	\$775,000	\$1,380,000	\$775,000						\$775,000
Construction	\$9,200,000	\$9,200,000	\$700,000	\$8,500,000					\$9,200,000
Equipment and Furniture	\$600,000	\$600,000		\$600,000					\$600,000
Contingency	\$2,441,000	\$1,836,000	\$200,000	\$2,241,000					\$2,441,000
TOTAL COSTS	\$13,037,000	\$13,037,000	\$1,696,000	\$11,341,000	\$0	\$0	\$0	\$0	\$13,037,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,534,000	\$6,341,000	\$5,000,000				\$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	\$7,287,000	\$1,696,000	\$6,341,000	\$5,000,000	\$0	\$0	\$0	\$13,037,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$150,000 (CO) in 2018.									

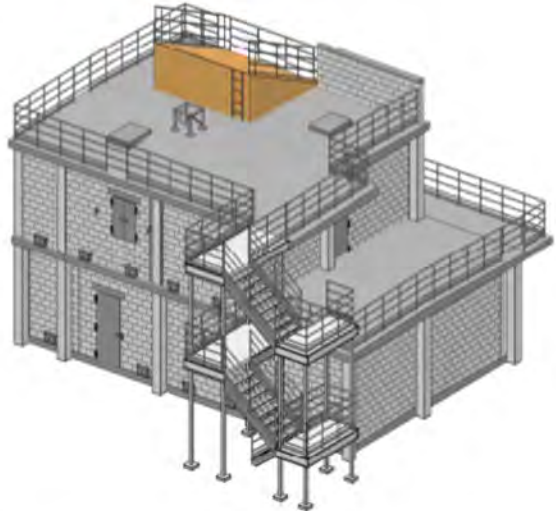
PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Fire Station #7					FA1804		6		
PROJECT DESCRIPTION					PROJECT IMAGE				
Construction of approximately 11,000 sq. ft. station to house one - 4 person Engine Crew and one - 2 person EMS Ambulance Crew, and 2 trainees. Station will include a generator, sleeping rooms, restrooms with showers, a kitchen dining area, a dayroom, a Lieutenant office, a station command office, & exercise room. Equipment area will consist of 3-80 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services					1,429,967				
Operation & Maintenance					163,065				
Capital Outlay				1,041,863	13,371				
Total Expense				1,041,863	1,606,402				
FTE Staff Total				12.0					
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$25,000	\$25,000	\$25,000						\$25,000
Design/Surveying	\$1,025,000	\$25,000	\$25,000			\$1,000,000			\$1,025,000
Construction	\$5,800,000					\$500,000	\$5,300,000		\$5,800,000
Equipment and Furniture	\$300,000						\$300,000		\$300,000
Contingency	\$1,180,000					\$100,000	\$1,080,000		\$1,180,000
TOTAL COSTS	\$8,330,000	\$50,000	\$50,000	\$0	\$0	\$1,600,000	\$6,680,000	\$0	\$8,330,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$8,330,000	\$50,000	\$1,485,000				\$6,845,000		\$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	\$50,000	\$1,485,000	\$0	\$0	\$0	\$6,845,000	\$0	\$8,330,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$1,485,000 in 2018									


PROJECT NAME						PROJECT #	PREFERENCE ORDER			
Shadow Creek Library						FA1805	Ongoing			
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: a 100 seat teaching theater, 2,500 sq. ft. space for the Brazoria County Tax Office, humidity control system for HVAC, specialized chill water systems, exterior security lighting, generator, 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 an additional 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance		39,938	65,715	65,297	64,053					
Capital Outlay										
Total Expense		39,938	65,715	65,297	64,053					
FTE Staff Total										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way	\$6,500	\$6,500	\$6,500						\$6,500	
Design/Surveying	\$1,890,000	\$1,890,000	\$1,890,000						\$1,890,000	
Construction	\$17,550,000	\$1,000,000	\$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	\$63,500	\$63,500	\$1,800,000					\$1,863,500	
TOTAL COSTS	\$23,500,000	\$2,960,000	\$2,960,000	\$20,540,000	\$0	\$0	\$0	\$0	\$23,500,000	
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$2,960,000	\$2,960,000	\$13,040,000	\$7,500,000				\$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	\$2,960,000	\$2,960,000	\$13,040,000	\$7,500,000	\$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		Ongoing	
PROJECT DESCRIPTION						PROJECT IMAGE			
Phase 2 of the Orange Street Service Center project is derived from a Facilities Master Plan. A new 80,000 sf 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, kitchen, and backup generator.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			425,407	446,677	469,011				
Capital Outlay		1,628							
Total Expense		1,628	425,407	446,677	469,011				
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report	\$700,000	\$675,000	\$700,000						\$700,000
Land/Right of Way									
Design/Surveying	\$800,000	\$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	\$3,870,000	\$945,000	\$170,000	\$2,000,000	\$1,700,000				\$3,870,000
TOTAL COSTS	\$25,350,000	\$2,420,000	\$1,670,000	\$21,000,000	\$2,680,000	\$0	\$0	\$0	\$25,350,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$9,425,884	\$968,000			\$6,672,000	\$2,753,884			\$9,425,884
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP									
PEDC									
W/S Revenue Bonds	\$14,138,826	\$1,452,000	\$675,000		\$10,008,000	\$3,455,826			\$14,138,826
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$1,785,290		\$1,785,290						\$1,785,290
TOTAL SOURCES	\$25,350,000	\$2,420,000	\$2,460,290	\$0	\$16,680,000	\$6,209,710	\$0	\$0	\$25,350,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$675,000 in 2019. \$1,785,290 transferred from Orange St Service Center Phase I (FA1404).									

PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Fire Station #4						FA2001		Ongoing	
PROJECT DESCRIPTION						PROJECT IMAGE			
Construction of approximately 13,500 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 a generator, 10 sleeping rooms, restrooms with showers, kitchen area, dayroom, exercise room, and three offices. Equipment area will consist of 4 – 80 foot deep apparatus 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.									
PROJECT JUSTIFICATION									
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. There are insufficient bathrooms, and other living spaces. 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.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance	68,649	96,108	100,914	105,959	111,257				
Capital Outlay	13,200								
Total Expense	81,849	96,108	100,914	105,959	111,257				
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$700,000	\$865,000	\$700,000						\$700,000
Construction	\$6,390,000	\$390,000	\$500,000	\$5,890,000					\$6,390,000
Equipment and Furniture	\$264,000			\$264,000					\$264,000
Contingency	\$1,265,000	\$180,000	\$235,000	\$1,030,000					\$1,265,000
TOTAL COSTS	\$8,619,000	\$1,435,000	\$1,435,000	\$7,184,000	\$0	\$0	\$0	\$0	\$8,619,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$8,619,000	\$1,435,000	\$1,435,000	\$3,684,000	\$3,500,000				\$8,619,000
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	\$8,619,000	\$1,435,000	\$1,435,000	\$3,684,000	\$3,500,000	\$0	\$0	\$0	\$8,619,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME		PROJECT #		PREFERENCE ORDER					
Fire Station #11		FA2002		9					
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 a generator, 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 3-80 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services					308,783				
Operation & Maintenance					37,948				
Capital Outlay				1,041,863	438,798				
Total Expense				1,041,863	785,529				
FTE Staff Total					13.0				
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS						
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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					\$830,000	\$6,000,000	\$6,830,000
Equipment and Furniture		\$275,000						\$275,000	\$275,000
Contingency		\$1,370,000					\$370,000	\$1,000,000	\$1,370,000
TOTAL COSTS		\$9,855,000	\$0	\$0	\$350,000	\$0	\$2,230,000	\$7,275,000	\$9,855,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES						
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation		\$9,855,000			\$350,000		\$2,230,000	\$7,275,000	\$9,855,000
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	\$350,000	\$0	\$2,230,000	\$7,275,000	\$9,855,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Fire Training Burn Building Phase 1						FA2003		Ongoing		
PROJECT DESCRIPTION						PROJECT IMAGE				
Construction of a 2,800 SF two story reinforced concrete live fire training burn building and concrete pad on the existing Pearland Fire Department (PFD) Fire Training Field east of the David L. Smith Fire Administration Building. This facility will provide the versatility to change scenarios as needed to simulate a single-family residential occupancy, retail or commercial storefront, or vehicle garage, with multiple burn rooms, interior and exterior staircases, doors, windows, sloped roof, and roof opening.										
PROJECT JUSTIFICATION										
Building & structure fires are high risk events that can easily injure fire fighters. New technologies have led to buildings containing significant amounts of plastics & other synthetics that burn hotter & more rapidly than in the past. To properly educate & prepare Pearland's firefighters to respond to the complex hazards that they will face in residential & commercial fires, appropriate facilities are needed to provide real life scenarios for training to acquire & enhance the skills needed. Currently, live fire training is limited to a small burn room intended primarily for hose drills rather than firefighter entry & the only way to conduct adequately sized, appropriate & best practice live fire training is to travel to other live fire training facilities. This incurs overtime costs & other facilities may charge additional fees and/or may not be available on schedules convenient to PFD. This project will allow additional initial training & continuing education training opportunity for PFD & 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance	98	391	391	391	391					
Capital Outlay										
Total Expense	98	391	391	391	391					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$130,000	\$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	\$130,000	\$130,000	\$130,000	\$1,170,000	\$0	\$0	\$0	\$0	\$1,300,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation										
2007 General Obligation Bonds										
2019 General Obligation Bonds	\$1,300,000	\$130,000	\$130,000	\$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	\$130,000	\$130,000	\$130,000	\$1,170,000	\$0	\$0	\$0	\$0	\$1,300,000
*Explain & Identify Type of Other Sources:										

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Fiber Backbone (Magnolia from Harkey Road to Cullen Parkway)				FA2101		1				
PROJECT DESCRIPTION				PROJECT IMAGE						
To extend and build out the fiber network to reach all city facilities, parks, traffic signals, and storm water facilities and supports the SCADA network along Magnolia from Harkey Rd to Cullen Parkway for approximately 12,000 LF. This fiber run will pick up two intersections and is part of two loops that will provide redundancy for all communications.										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$49,500		\$49,500					\$49,500	
Construction		\$495,000		\$495,000					\$495,000	
Equipment and Furniture										
Contingency		\$47,250		\$47,250					\$47,250	
TOTAL COSTS		\$591,750	\$0	\$0	\$591,750	\$0	\$0	\$0	\$591,750	
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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 -		\$591,750		\$591,750					\$591,750	
TOTAL SOURCES		\$591,750	\$0	\$0	\$591,750	\$0	\$0	\$0	\$591,750	
¹ Explain & Identify Type of Other Sources: Fund 500 fund balance										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Police Training Center				FA2102		2			
PROJECT DESCRIPTION				PROJECT IMAGE					
Repurpose former Fire Station #4 structure to accommodate the Police Academy and Fitness Center. Includes a 40+ training room, break room area, approximately 2600 sq. ft. of fitness area shared with Fire Station #4, cubical office area, and associated restroom/shower facilities.									
PROJECT JUSTIFICATION									
The Police Training Center is needed to support a PD sponsored police academy and increase the number of in-house training courses provided. PPD has become a hub for northern Brazoria County providing 18,000 hours of training to personnel from over 90 agencies. Renovating this facility will open additional EOC space within the PSB, add additional showering facilities for major emergency events, increase emergency bedding available for City staff, and provide a health center available to all City staff.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		18,894	75,576	75,576	75,576				
Capital Outlay									
Total Expense		18,894	75,576	75,576	75,576				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$200,000			\$200,000					\$200,000
Construction	\$2,460,000			\$260,000	\$2,200,000				\$2,460,000
Equipment and Furniture									
Contingency	\$500,000			\$50,000	\$450,000				\$500,000
TOTAL COSTS	\$3,160,000	\$0	\$0	\$510,000	\$2,650,000	\$0	\$0	\$0	\$3,160,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$3,160,000			\$510,000	\$2,650,000				\$3,160,000
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	\$3,160,000	\$0	\$0	\$510,000	\$2,650,000	\$0	\$0	\$0	\$3,160,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Fiber Backbone (Cullen Parkway from Magnolia to PSB)					FA2201		4		
PROJECT DESCRIPTION					PROJECT IMAGE				
To extend and build out the fiber network to reach all city facilities (buildings, lift stations, traffic signals, and water facilities) and supports the SCADA network. Funds in 2022 will bring fiber along Cullen Parkway from Magnolia to the Public Safety Building. This fiber run will pick up 2 traffic signals and 1 lift station as well as provide a loop from PSB to City Hall. This loop will provide redundancy for all communications between the two locations. This includes; all traffic signals, JHEC, Magnolia Water Plant, Magnolia lift station, McLean Water Plant, Natatorium/Recreation Center, Southeast Water Plant, Alice Water Plant, Public Works, Senior Center, Fire Admin, etc.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$40,500				\$40,500				\$40,500
Construction	\$405,000				\$405,000				\$405,000
Equipment and Furniture									
Contingency	\$47,250				\$47,250				\$47,250
TOTAL COSTS	\$492,750	\$0	\$0	\$0	\$492,750	\$0	\$0	\$0	\$492,750
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash	\$246,375								
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	\$246,375				\$246,375				\$246,375
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -					\$246,375				\$246,375
TOTAL SOURCES	\$492,750	\$0	\$0	\$0	\$492,750	\$0	\$0	\$0	\$492,750
¹ Explain & Identify Type of Other Sources: Fund 500 fund balance \$246,375									

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Recreation Center & Natatorium Chiller Replacement					FA2202		3			
PROJECT DESCRIPTION					PROJECT IMAGE					
This project is a turnkey replacement of two Carrier air-cooled chillers, to be replaced with two Carrier RBX 160 air-cooled chillers. Project also includes: single point electrical connections, non fused disconnects, copper/aluminum coils w/ E-Coat, BACnet/Modbus translator, security grills, BAS connections, one year labor/parts warranty and five year compressor warranty.										
PROJECT JUSTIFICATION										
The RCN center chiller are 11 years old with an estimated life span of 15 years under normal use of operations that includes occupied and unoccupied set points, which is estimated to be around 7-9 hours of runtime over each day. The RCN units are never in an unoccupied mode so they are always maintaining a constant temperature resulting in higher run times. This has resulted in average runtimes in the 10-12 hours per day (higher in the summer) which is about a 37% increase in usage. The two units that run in lead/lag and also provide extra capacity as needed to meet the demand. Based upon the service report the units are nearing the end of their operational life due to the heavy usage. The two units have a total of 48,000 hours of use which equates to 16.4 years of use under normal use of operations.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction	\$250,000					\$250,000				\$250,000
Equipment and Furniture										
Contingency	\$25,000					\$25,000				\$25,000
TOTAL COSTS	\$275,000	\$0	\$0	\$0	\$0	\$275,000	\$0	\$0	\$0	\$275,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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 -	\$275,000					\$275,000				\$275,000
TOTAL SOURCES	\$275,000	\$0	\$0	\$0	\$0	\$275,000	\$0	\$0	\$0	\$275,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
City Hall Back-Up Power Redundancy for Critical Facility					FA2301		3		
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		18,894	75,576	75,576	75,576				
Capital Outlay									
Total Expense		18,894	75,576	75,576	75,576				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,125,000	\$0	\$0	\$1,125,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,125,000	\$0	\$0	\$1,125,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Fiber Backbone (Magnolia from Cullen to Smith Ranch Rd)				FA2302		7				
PROJECT DESCRIPTION				PROJECT IMAGE						
To extend and build out the fiber network to reach all city facilities including traffic signals and supports the SCADA network. Funds in 2024 will bring fiber along Magnolia from Cullen to Smith Ranch Rd (CR 90). This fiber run will pick up 3 traffic signals and is part of a loop that will connect the entire City from West to East. This loop will provide redundancy for all communications West of Cullen as well as city-wide. This includes; all traffic signals, Fire Stations 5 and 8, Reflection Bay, CVB, etc.										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$58,000					\$58,000			\$58,000	
Construction	\$588,000					\$588,000			\$588,000	
Equipment and Furniture										
Contingency	\$90,000					\$90,000			\$90,000	
TOTAL COSTS	\$736,000	\$0	\$0	\$0	\$0	\$736,000	\$0	\$0	\$736,000	
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL	
General Revenue - Cash	\$368,000					\$368,000			\$368,000	
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	\$368,000					\$368,000			\$368,000	
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$736,000	\$0	\$0	\$0	\$0	\$736,000	\$0	\$0	\$736,000	
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Fiber Backbone (Cullen Parkway from PSB to McHard)					FA2401		8		
PROJECT DESCRIPTION					PROJECT IMAGE				
To extend and build out the fiber network to reach all city facilities including traffic signals and supports the SCADA network. Funds in 2023 will bring fiber along Cullen Parkway from Public Safety Building to McHard. This fiber run will pick up 3 traffic signals and 2 school zone flashers as well as provide a loop from PSB to City Hall. If we can break off a fiber run down Hughes to the High School this run will also establish connectivity to the West Side Events Center as well as an additional traffic signal and school zone flasher. The run is part of a second loop that will provide redundancy city-wide. This loop will provide redundancy for all communications between the two locations. This includes; all traffic signals, JHEC, Magnolia Water Plant, Magnolia lift station, McLean Water Plant, Natatorium/Recreation Center, Southeast Water Plant, Alice Water Plant, Public Works, Senior Center, Fire Admin, etc.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$31,500						\$31,500		\$31,500
Construction	\$331,000						\$331,000		\$331,000
Equipment and Furniture									
Contingency	\$47,250						\$47,250		\$47,250
TOTAL COSTS	\$409,750	\$0	\$0	\$0	\$0	\$0	\$409,750	\$0	\$409,750
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash	\$204,875						\$204,875		\$204,875
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	\$204,875						\$204,875		\$204,875
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$409,750	\$0	\$0	\$0	\$0	\$0	\$409,750	\$0	\$409,750
¹ Explain & Identify Type of Other Sources:									

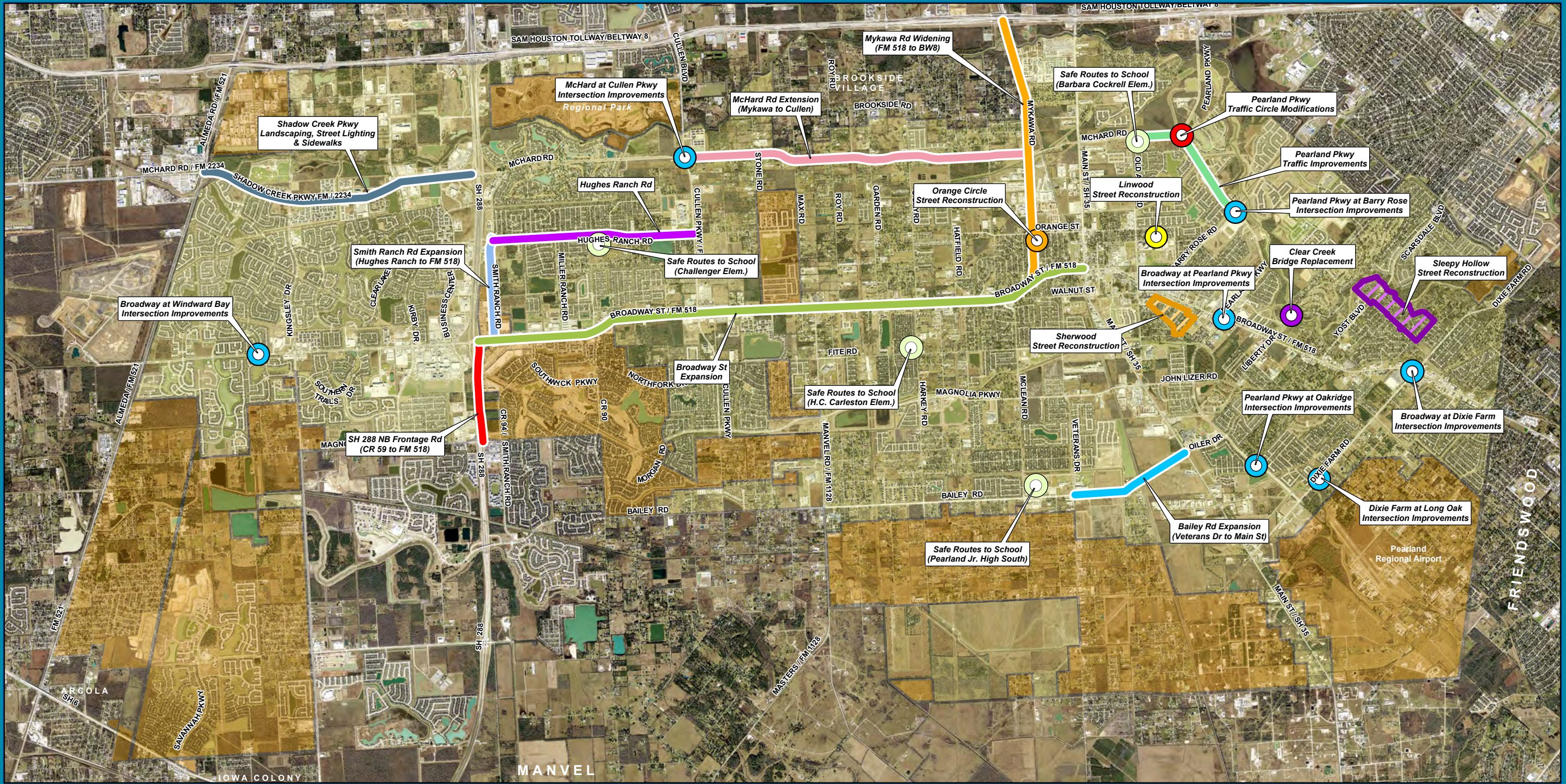
PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Fiber Backbone Magnolia (Smith Ranch Rd to Kirby Water Plant)				FA2501		10			
PROJECT DESCRIPTION				PROJECT IMAGE					
To extend and build out the fiber network to reach all city facilities including buildings, parks, lift station, traffic signal, and water facilities and supports the SCADA network. Funds in 2025 will bring fiber along Magnolia from Smith Ranch Rd to Kirby Water Plant. This fiber run will pick up 2 traffic signals (3 if we absorb the 288 intersection) and is part of a loop that will connect the entire City from West to East. This loop will provide redundancy for all communications West of Cullen as well as city-wide. This includes; all traffic signals, Fire Stations 5 and 8, Reflection Bay, CVB, etc.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$78,000							\$78,000	\$78,000
Construction	\$520,000							\$520,000	\$520,000
Equipment and Furniture									
Contingency	\$104,000							\$104,000	\$104,000
TOTAL COSTS	\$702,000	\$0	\$0	\$0	\$0	\$0	\$0	\$702,000	\$702,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash	\$351,000							\$351,000	\$351,000
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	\$351,000							\$351,000	\$351,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$702,000	\$0	\$0	\$0	\$0	\$0	\$0	\$702,000	\$702,000
¹ Explain & Identify Type of Other Sources:									

**CITY OF PEARLAND
2021 - 2025 CAPITAL IMPROVEMENT PROGRAM
STREETS**

Project No.	Project Name	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
TR0601	Mykawa Road Widening - BW8 to FM 518	5,522,400	990,323	9,055,580				15,568,303	10,045,903
TR1201	Hughes Ranch Road (CR 403) - Cullen to Smith Ranch	22,850,000						22,850,000	
TR1405	McHard Rd Extension - Mykawa Rd to Cullen Pkwy	48,557,000						48,557,000	
TR1501	Smith Ranch Rd Expansion (CR 94) - Hughes Ranch to Broadway	3,120,000		6,600,000				9,720,000	6,600,000
TR1602	Safe Routes to School	435,000	3,327,000					3,762,000	3,327,000
TR1701	SH288 Northbound Frontage Road - CR 59 to FM 518 (Broadway)	8,710,000						8,710,000	
TR1803	Intersection Improvements - Windward Bay/Broadway, Oakridge/Pearland Parkway, and Long Oak/Dixie Farm	1,525,000						1,525,000	
TR1804	Broadway at Dixie Farm Intersection Improve.	1,860,000						1,860,000	
TR1901	Street Reconstruction - Linwood Oaks and Orange Circle	2,230,000						2,230,000	
TR1902	Pearland Parkway Traffic Improvements	1,124,000						1,124,000	
TR1903	Pearland Parkway Traffic Circle Modifications	3,272,000						3,272,000	
TR1904	Bailey Road Expansion - Veterans Dr to Main	1,360,000		18,185,000				19,545,000	18,185,000
TR1905	Shadow Creek Parkway Landscaping, Street Lighting & Sidewalks	915,000	6,225,000					7,140,000	6,225,000
TR2001	Intersection Improvements - Broadway at Pearland Parkway			750,000				750,000	750,000
TR2002	Street Reconstruction - Sleepy Hollow	500,000	2,765,000					3,265,000	2,765,000
TR2003	Shadow Creek Ranch Sidewalk Extensions	205,237	932,464					1,137,701	932,464
TR2101	Broadway Expansion - SH 288 to SH 35		5,000,000					5,000,000	5,000,000
TR2102	Clear Creek Bridge Replacement		250,000					250,000	250,000
TR2103	Intersection Improvements (BCD/SCP, BCD/Broadway,		1,519,500	9,470,000				10,989,500	10,989,500
TR2104	Major Thoroughfare Update	150,000		550,000				700,000	550,000
TR2105	Traffic Signal Upgrades Program	450,000						450,000	
TR2106	Traffic Signal Upgrades Program FY21		450,000					450,000	450,000
TR2201	Traffic Signal Upgrades Program FY22			450,000				450,000	450,000
TR2202	Intersection Improvements - Pearland Parkway at Barry Rose				220,000	1,280,000		1,500,000	1,500,000
TR2301	Traffic Signal Upgrades Program FY23				450,000			450,000	450,000
TR2302	Street Reconstruction - Sherwood				930,000	4,450,000		5,380,000	5,380,000
TR2401	Traffic Signal Upgrades Program FY24					450,000		450,000	450,000
TR2402	Intersection Improvements - McHard at Cullen Parkway						750,000	750,000	750,000
	TOTAL	102,785,637	21,459,287	45,060,580	1,600,000	6,180,000	750,000	177,835,504	75,049,867

SOURCE OF FUNDS	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
<i>Non-Debt Funded</i>								
General Revenue - Cash	2,000						2,000	
PEDC	750,000						750,000	
Other Funding Sources*	4,730,504	250,000	550,000				5,530,504	800,000
<i>Leveraged Outside Funds</i>								
TIRZ Reimbursable Debt	1,120,237	8,676,964	9,470,000				19,267,201	18,146,964
HGAC - TIP	22,847,431	29,929,600	3,031,215				55,808,246	32,960,815
<i>Tax Supported Debt (Debt Service Fund)</i>								
Certificates of Obligation	9,993,723	3,723,400	13,512,617	670,000	1,730,000	750,000	30,379,740	20,386,017
2007 General Obligation Bonds	25,135,037	881,600	6,790,176				32,806,813	7,671,776
2019 General Obligation Bonds	4,256,000	6,995,000	5,000,000	6,430,000	12,135,000		34,816,000	30,560,000
<i>Less Projects Appropriated in Previous Year</i>								(35,475,705)
TOTAL	68,834,932	50,456,564	38,354,008	7,100,000	13,865,000	750,000	179,360,504	75,049,867

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.



CITY OF PEARLAND

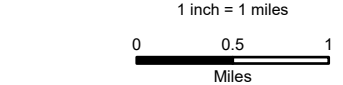
2021-2025

Capital Improvement Projects

Transportation


- Safe Routes to Schools
- Intersection Improvements
- Pearl and Parkway Traffic Circle Modifications
- Clear Creek Bridge Replacement
- Orange Circle Street Reconstruction
- Linwood Oaks Street Reconstruction
- Pearl and Parkway Traffic Improvements
- Broadway Expansion
- Shadow Creek Pkwy Landscaping, Street Lighting, & Sidewalks
- Bailey Road Expansion
- McHard Road Extension
- Mykawa Road Widening
- Smith Ranch Road Extension
- SH 288 Northbound Frontage Road
- Hughes Ranch Road Reconstruction
- City Limits
- ETJ
- Sherwood Street Reconstruction
- Sleepy Hollow Street Reconstruction

Projects Not Shown
 *SCR Sidewalk Extensions
 *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 2020
 CITY OF PEARLAND GIS DEPARTMENT


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Mykawa Road Widening - BW8 to FM 518				TR0601		On Going			
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, landscape and irrigation, and a 10' shared use path. 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$50,186	\$100,372	\$100,372				
Capital Outlay									
Total Expense			\$50,186	\$100,372	\$100,372				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report	\$108,723	\$108,723	\$108,723						\$108,723
Land/Right of Way	\$2,404,000	\$2,404,000	\$1,913,677	\$490,323					\$2,404,000
Design/Surveying	\$3,500,000	\$3,500,000	\$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	\$5,522,400	\$990,323	\$9,055,580	\$0	\$0	\$0	\$15,568,303
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$2,237,680						\$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	\$5,631,123	\$881,600	\$9,055,580	\$0	\$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 AFA for a total of \$2,237,680. Design is \$759,280 and land is d \$1,478,400 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		On Going			
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 including landscape and irrigation and a shared use path. 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 traffic signal.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$96,333	\$96,333	\$99,333	\$99,333				
Capital Outlay									
Total Expense		\$96,333	\$96,333	\$99,333	\$99,333				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$1,600,000	\$1,600,000	\$1,600,000						\$1,600,000
Design/Surveying	\$650,000	\$650,000	\$650,000						\$650,000
Construction	\$19,800,000	\$19,800,000	\$19,800,000						\$19,800,000
Equipment and Furniture									
Contingency	\$800,000	\$1,635,000	\$800,000						\$800,000
TOTAL COSTS	\$22,850,000	\$23,685,000	\$22,850,000	\$0	\$0	\$0	\$0	\$0	\$22,850,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds	\$8,222,609	\$9,057,609	\$8,222,609						\$8,222,609
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP	\$14,536,844	\$14,536,844	\$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	\$22,850,000	\$23,685,000	\$22,850,000	\$0	\$0	\$0	\$0	\$0	\$22,850,000


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		On Going			
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, landscaping and irrigation. 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 at Hughes 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.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$203,092	\$206,092	\$206,092				
Capital Outlay									
Total Expense			\$203,092	\$206,092	\$206,092				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$6,300,000	\$5,800,000	\$6,300,000						\$6,300,000
Design/Surveying	\$4,757,000	\$4,570,000	\$4,757,000						\$4,757,000
Construction	\$36,000,000	\$39,630,580	\$36,000,000						\$36,000,000
Equipment and Furniture									
Contingency	\$1,500,000	\$1,983,920	\$1,500,000						\$1,500,000
TOTAL COSTS	\$48,557,000	\$51,984,500	\$48,557,000	\$0	\$0	\$0	\$0	\$0	\$48,557,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$3,978,428				\$3,978,428				\$3,978,428
2007 General Obligation Bonds	\$11,585,041	\$11,585,041	\$11,585,041						\$11,585,041
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt									
HGAC - TIP	\$32,580,531	\$32,580,531	\$5,204,531	\$27,376,000					\$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	\$48,557,000	\$44,578,572	\$17,202,572	\$27,376,000	\$3,978,428	\$0	\$0	\$0	\$48,557,000
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		On Going				
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, shared use path, landscaping, and irrigation. Limits are from Hughes Ranch Road, south approximately 3,250 LF to 2,040 LF north of Broadway. Run approximately 6,000' of fiber from FM 518 to Westside Event Center.										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance				\$40,772	\$42,810					
Capital Outlay										
Total Expense				\$40,772	\$42,810					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way		\$1,400,000	\$1,100,000	\$1,400,000						\$1,400,000
Design/Surveying		\$1,450,000	\$1,164,500	\$1,450,000						\$1,450,000
Construction		\$6,000,000	\$5,276,091			\$6,000,000				\$6,000,000
Equipment and Furniture										
Contingency		\$870,000	\$750,000	\$270,000		\$600,000				\$870,000
TOTAL COSTS		\$9,720,000	\$8,290,591	\$3,120,000	\$0	\$6,600,000	\$0	\$0	\$0	\$9,720,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$1,227,904				\$1,227,904				\$1,227,904
2007 General Obligation Bonds		\$4,390,909	\$4,390,909	\$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	\$868,376		\$3,031,215				\$3,899,591
PEDC										
W/S Revenue Bonds										
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -		\$201,596	\$91	\$201,596						\$201,596
TOTAL SOURCES		\$9,720,000	\$8,290,591	\$3,120,000	\$0	\$6,600,000	\$0	\$0	\$0	\$9,720,000
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. \$201,505 transferred from Hughes Ranch Rd (TR1201)										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Safe Routes to School Improvements				TR1602		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
As identified in the Safe Routes to School Plan, sites may include the installation of sidewalks, crosswalk improvements to meet ADA requirements and other traffic control improvements. 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	2021	2022	2023	2024	2025				
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	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$190,000	\$190,000	\$190,000						\$190,000
Design/Surveying	\$245,000	\$230,000	\$245,000						\$245,000
Construction	\$3,192,000	\$3,192,000		\$3,192,000					\$3,192,000
Equipment and Furniture									
Contingency	\$135,000	\$150,000		\$135,000					\$135,000
TOTAL COSTS	\$3,762,000	\$3,762,000	\$435,000	\$3,327,000	\$0	\$0	\$0	\$0	\$3,762,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$773,400	\$788,400		\$773,400					\$773,400
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					\$2,553,600
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -	\$435,000	\$420,000	\$435,000						\$435,000
TOTAL SOURCES	\$3,762,000	\$3,762,000	\$435,000	\$3,327,000	\$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 \$435K									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
SH 288 Northbound Frontage Road - Magnolia Parkway to FM 518 (Broadway)				TR1701		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
Construct a 3 - lane concrete curb and gutter "urban" cross-section frontage road from Magnolia Parkway to FM 518 (Broadway), northbound only, to include a U-Turn lane under the Magnolia Parkway Overpass, to include access lane to SH 288 main lanes. Project includes right of way acquisition for detention pond.									
PROJECT JUSTIFICATION									
Current traffic routes from 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 Magnolia Parkway and Broadway to development and will reduce traffic on SH288 and Broadway. The City will fund the design and the County will share the construction costs with the City and TxDOT will be letting and managing the project.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
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	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$610,000	\$610,000	\$610,000						\$610,000
Design/Surveying	\$800,000	\$800,000	\$800,000						\$800,000
Construction	\$7,000,000	\$6,710,000	\$7,000,000						\$7,000,000
Equipment and Furniture									
Contingency	\$300,000	\$590,000	\$300,000						\$300,000
TOTAL COSTS	\$8,710,000	\$8,710,000	\$8,710,000	\$0	\$0	\$0	\$0	\$0	\$8,710,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$6,050,000	\$6,050,000	\$6,050,000						\$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 -	\$1,910,000	\$1,910,000	\$1,910,000						\$1,910,000
TOTAL SOURCES	\$8,710,000	\$8,710,000	\$8,710,000	\$0	\$0	\$0	\$0	\$0	\$8,710,000
*Explain & Identify Type of Other Sources: PEDC is contributing \$450K towards the project. Brazoria County interlocal R2020-27 share \$1.5M. Bonds sold - \$450,000 in 2017. Fund 501 fund balance \$410K									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Intersection Improvements - Windward Bay/Broadway, Oakridge/Pearland Parkway, and Long Oak/Dixie Farm					TR1803		On Going		
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	2021	2022	2023	2024	2025				
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									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$125,000		\$125,000						\$125,000
Construction	\$1,300,000		\$1,300,000						\$1,300,000
Equipment and Furniture									
Contingency	\$100,000		\$100,000						\$100,000
TOTAL COSTS	\$1,525,000	\$0	\$1,525,000	\$0	\$0	\$0	\$0	\$0	\$1,525,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$1,525,000		\$1,525,000						\$1,525,000
General Obligation Bonds									
New/Proposed GO Bonds									
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	\$1,525,000	\$0	\$1,525,000	\$0	\$0	\$0	\$0	\$0	\$1,525,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$750,000 in 2018.									


PROJECT NAME						PROJECT #	PREFERENCE ORDER			
Intersection Improvements - Broadway at Dixie Farm						TR1804	On Going			
PROJECT DESCRIPTION						PROJECT IMAGE				
<p>Continuous development in the City have resulted in changes to the traffic patterns and counts. The intersection of FM 518 (Broadway) and Dixie Farm Road is a high priority intersection that is experiencing increased traffic flows, creating congestion and raising safety concerns. Improvements to this intersection will consist of the construction of the dual left turn lanes for all four approaches of the intersection to alleviate the back up and to help clear vehicles through the intersection.</p>										
PROJECT JUSTIFICATION										
<p>Each of the citizen's survey conducted (2013, 2015, 2017 & 2019), 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. In the July 2015 Traffic Management Plan this intersection was identified as a priority to help address congestion and safety at this intersection.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget						<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance		\$1,600	\$5,200	\$5,200	\$5,200					
Capital Outlay										
Total Expense		\$1,600	\$5,200	\$5,200	\$5,200					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							PROJECT TOTAL
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	
Prelim. Engineering Report										
Land/Right of Way	\$300,000	\$350,000	\$300,000							\$300,000
Design/Surveying	\$210,000	\$210,000	\$210,000							\$210,000
Construction	\$1,180,000	\$1,180,000	\$1,180,000							\$1,180,000
Equipment and Furniture										
Contingency	\$170,000	\$120,000	\$170,000							\$170,000
TOTAL COSTS	\$1,860,000	\$1,860,000	\$1,860,000		\$0	\$0	\$0	\$0	\$0	\$1,860,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							PROJECT TOTAL
			ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	
General Revenue - Cash										
Certificates of Obligation	\$1,860,000	\$1,860,000	\$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	\$1,860,000	\$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 - Linwood Oaks and Orange Circle						TR1901		On Going	
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 street or neighborhood identified for FY 20 includes Linwood Oaks and Orange Circle. 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 \$4.6 million (2018 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$3,500	\$3,500	\$3,500	\$3,500				
Capital Outlay									
Total Expense		\$3,500	\$3,500	\$3,500	\$3,500				
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$225,000		\$225,000						\$225,000
Construction	\$1,850,000		\$1,850,000						\$1,850,000
Equipment and Furniture									
Contingency	\$155,000		\$155,000						\$155,000
TOTAL COSTS	\$2,230,000	\$0	\$2,230,000	\$0	\$0	\$0	\$0	\$0	\$2,230,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$2,230,000			\$2,230,000					\$2,230,000
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	\$2,230,000	\$0	\$0	\$2,230,000	\$0	\$0	\$0	\$0	\$2,230,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Pearland Parkway Traffic Improvements				TR1902		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
This project consists of the installation of a traffic signal and 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 Fire Station #1 to Barry Rose Road 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$126,000	\$125,000	\$126,000						\$126,000
Construction	\$874,000	\$859,000	\$874,000						\$874,000
Equipment and Furniture									
Contingency	\$124,000	\$140,000	\$124,000						\$124,000
TOTAL COSTS	\$1,124,000	\$1,124,000	\$1,124,000	\$0	\$0	\$0	\$0	\$0	\$1,124,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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						\$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	\$1,124,000	\$1,124,000	\$0	\$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		On Going			
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 existing traffic rotary to a round-a-bout will improve traffic flows by providing for higher speed by-pass movements that result in a through 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 assist in reducing 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 type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$4,802	\$4,802	\$4,802				
Capital Outlay									
Total Expense			\$4,802	\$4,802	\$4,802				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$390,000	\$440,000	\$390,000						\$390,000
Construction	\$2,360,000	\$2,360,000	\$2,360,000						\$2,360,000
Equipment and Furniture									
Contingency	\$522,000	\$472,000	\$522,000						\$522,000
TOTAL COSTS	\$3,272,000	\$3,272,000	\$3,272,000	\$0	\$0	\$0	\$0	\$0	\$3,272,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$3,272,000	\$3,272,000	\$1,272,000	\$2,000,000					\$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	\$3,272,000	\$1,272,000	\$2,000,000	\$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		On Going			
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 along with landscaping and irrigation. This will provide improved vehicular mobility in the east/west corridors by having a four-lane boulevard from Pearland Pkwy to SH288.									
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 an alternate route to 518, 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance					\$41,590				
Capital Outlay									
Total Expense					\$41,590				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$100,000	\$100,000	\$100,000						\$100,000
Design/Surveying	\$1,035,000	\$1,135,000	\$1,035,000						\$1,035,000
Construction	\$18,185,000				\$18,185,000				\$18,185,000
Equipment and Furniture									
Contingency	\$225,000	\$125,000	\$225,000						\$225,000
TOTAL COSTS	\$19,545,000	\$1,360,000	\$1,360,000	\$0	\$18,185,000	\$0	\$0	\$0	\$19,545,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$19,545,000	\$1,360,000	\$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	\$1,360,000	\$1,360,000	\$0	\$5,000,000	\$5,500,000	\$7,685,000	\$0	\$19,545,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Shadow Creek Parkway Landscaping, Street Lighting & Sidewalks				TR1905		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
This project will provide enhanced landscaping, irrigation, 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$1,080	\$1,080	\$1,080				
Capital Outlay									
Total Expense			\$1,080	\$1,080	\$1,080				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$915,000	\$6,225,000	\$0	\$0	\$0	\$0	\$7,140,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$915,000	\$6,225,000	\$0	\$0	\$0	\$0	\$7,140,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Intersection Improvements - Broadway at Pearland Parkway					TR2001		7			
PROJECT DESCRIPTION					PROJECT IMAGE					
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.										
PROJECT JUSTIFICATION										
Each of the citizen's surveys conducted (2013, 2015, 2017 & 2019), 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. In the July 2015 Traffic Management Plan this intersection was identified as a priority to help address congestion and safety at this intersection.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$90,000				\$90,000				\$90,000
Construction		\$620,000				\$620,000				\$620,000
Equipment and Furniture										
Contingency		\$40,000				\$40,000				\$40,000
TOTAL COSTS		\$750,000	\$0	\$0	\$0	\$750,000	\$0	\$0	\$0	\$750,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$750,000				\$750,000				\$750,000
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		\$750,000	\$0	\$0	\$0	\$750,000	\$0	\$0	\$0	\$750,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Street Reconstruction - Sleepy Hollow				TR2002		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
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 street or neighborhood identified for FY 21 includes Sleepy Hollow. 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.									
PROJECT JUSTIFICATION									
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 \$4.6 million (2018 dollars). Sleepy Hollow subdivision was originally developed in the early 1980s. The subdivision was built with concrete roads without curbs, gutters or underground drainage. Currently a majority of the existing concrete streets in this subdivision are in a poor condition with a Pavement Condition Rating (PCI) range between 47 and 55. There is also evidence of sub-grade failure resulting in major cracking and panel dislocation on most of the subdivision streets. Because of the nature of the failures, it is not fiscally efficient to replace individual concrete slabs.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$3,500	\$3,500	\$3,500	\$3,500				
Capital Outlay									
Total Expense		\$3,500	\$3,500	\$3,500	\$3,500				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$400,000	\$845,000	\$400,000						\$400,000
Construction	\$2,320,000			\$2,320,000					\$2,320,000
Equipment and Furniture									
Contingency	\$545,000		\$100,000	\$445,000					\$545,000
TOTAL COSTS	\$3,265,000	\$845,000	\$500,000	\$2,765,000	\$0	\$0	\$0	\$0	\$3,265,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$3,265,000	\$845,000	\$500,000	\$2,765,000					\$3,265,000
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	\$3,265,000	\$845,000	\$500,000	\$2,765,000	\$0	\$0	\$0	\$0	\$3,265,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Shadow Creek Ranch Sidewalk Extensions				TR2003		On Going			
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 and connect gaps on both sides of the roads within the TIRZ #2 area.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025				
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						
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$115,620	\$115,620	\$115,620						\$115,620
Construction	\$832,464			\$832,464					\$832,464
Equipment and Furniture									
Contingency	\$189,617	\$89,617	\$89,617	\$100,000					\$189,617
TOTAL COSTS	\$1,137,701	\$205,237	\$205,237	\$932,464	\$0	\$0	\$0	\$0	\$1,137,701
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES						
		ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$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	\$205,237	\$205,237	\$932,464	\$0	\$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		1				
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance					\$59,044					
Capital Outlay										
Total Expense					\$59,044					
FTE Staff Total										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$5,000,000	\$0	\$0	\$0	\$0	\$5,000,000	
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL	
General Revenue - Cash										
Certificates of Obligation	\$5,000,000			\$2,500,000	\$2,500,000				\$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	\$2,500,000	\$2,500,000	\$0	\$0	\$0	\$5,000,000	
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Clear Creek Bridge Replacement						TR2102		2	
PROJECT DESCRIPTION						PROJECT IMAGE			
The project will be to replace the County Club Road bridge over Clear Creek at the entrance to Green Tee Subdivision with a two lane bridge with a 10' multi-use path. The replacement would be conducted through the TxDOT off-system bridge program where the City contribution would be 10% of the project plus any upgrades beyond the standard Federal and State requirements.									
PROJECT JUSTIFICATION									
The City received notice on July 23, 2019 that the Country Club Bridge qualified for replacement due to its deficient rating based upon the bridge being "Functionally Obsolete". This is defined as being unable to serve current traffic capacity due to the bridge width, load capacity, or vertical/horizontal clearances. The project will be done in conjunction with the Clear Creek project to make sure the bridge has the appropriate freeboard above the 100 year floodplain elevations.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget						<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)			
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$250,000			\$250,000					\$250,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$250,000	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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 -	\$250,000			\$250,000					\$250,000
TOTAL SOURCES	\$250,000	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000
¹ Explain & Identify Type of Other Sources: \$250K transferred from Hughes Ranch Road (TR0601)									


PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Intersection Improvements in Shadow Creek Ranch						TR2103		3	
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 traffic signal at Kirby/Discovery Bay, Kingsley/Regents Bay, Kingsley/ Trinity Bay and a round-a-bout at Memorial & Business Center.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$230,000			\$230,000					\$230,000
Design/Surveying	\$1,195,500			\$1,195,500					\$1,195,500
Construction	\$7,970,000				\$7,970,000				\$7,970,000
Equipment and Furniture									
Contingency	\$1,594,000			\$94,000	\$1,500,000				\$1,594,000
TOTAL COSTS	\$10,989,500	\$0	\$0	\$1,519,500	\$9,470,000	\$0	\$0	\$0	\$10,989,500
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds									
Future GO Bond Package									
TIRZ Reimbursable Debt	\$10,989,500			\$1,519,500	\$9,470,000				\$10,989,500
HGAC - TIP									
PEDC									
W/S Revenue Bonds									
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$10,989,500	\$0	\$0	\$1,519,500	\$9,470,000	\$0	\$0	\$0	\$10,989,500
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Mobility Plan Update				TR2104		6				
PROJECT DESCRIPTION				PROJECT IMAGE						
The update to the mobility 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. The last mobility plan was updated in 2015. A revised thoroughfare plan will be provided. The mobility plan will provide analysis of roads and intersections and provide reprioritization of items not completed in the last update.										
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 and vehicular mobility.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$700,000	\$150,000	\$150,000		\$550,000				\$700,000
Construction										
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$700,000	\$150,000	\$150,000	\$0	\$550,000	\$0	\$0	\$0	\$700,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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 -		\$700,000	\$150,000	\$150,000		\$550,000				\$700,000
TOTAL SOURCES		\$700,000	\$150,000	\$150,000	\$0	\$550,000	\$0	\$0	\$0	\$700,000
¹ Explain & Identify Type of Other Sources: Fund 500 fund balance \$700K										


PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Traffic Signal Upgrades Program FY20						TR2105		On Going		
PROJECT DESCRIPTION						PROJECT IMAGE				
The Traffic Signal update will include replacement of the existing outdated signal management system to conform to the City of Pearland specifications. Budget for the 2020 Fiscal Year will include the purchase of new traffic signal management software for all of the existing traffic signals including 15 future signals, and the replacement of approximately 96 traffic signal controllers allow for the signals to work within the new management software. All remaining signals will be converted to the new system during the subsequent program years of when they are built.										
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 provides increased efficiency by reducing operations and maintenance costs, as well as providing additional functionality vital to the improvement of the City's infrastructure and signal coordination to improve vehicular mobility in each corridor.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$450,000	\$450,000	\$450,000						\$450,000
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$450,000	\$450,000	\$450,000	\$0	\$0	\$0	\$0	\$0	\$450,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$450,000	\$450,000	\$450,000						\$450,000
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		\$450,000	\$450,000	\$450,000	\$0	\$0	\$0	\$0	\$0	\$450,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Traffic Signal Upgrades Program FY21					TR2106		4			
PROJECT DESCRIPTION					PROJECT IMAGE					
The Traffic Signal update will include replacement of the existing outdated signal management system to conform to the City of Pearland specifications. Budget for the 2021 Fiscal Year will include the upgrade of traffic signal management equipment along the Broadway Corridor from Business Center Drive to FM521. Additionally, the Traffic Division will upgrade two intersections along Pearland Parkway, Province Village Dr. and Oiler Dr. TxDOT will be upgrading the Liberty/518 traffic signal. The project will also include the participation with TxDOT to upgrade to City standards										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$450,000			\$450,000					\$450,000
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$450,000	\$0	\$0	\$450,000	\$0	\$0	\$0	\$0	\$450,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$450,000			\$450,000					\$450,000
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		\$450,000	\$0	\$0	\$450,000	\$0	\$0	\$0	\$0	\$450,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Traffic Signal Upgrades Program FY22					TR2201		5			
PROJECT DESCRIPTION					PROJECT IMAGE					
The Traffic Signal update will include replacement of the existing outdated signal management system to conform to the City of Pearland specifications. Budget for the 2022 Fiscal Year will include the upgrade of traffic signal management equipment along the Shadow Creek Parkway Corridor from SH288 West to FM521.										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$450,000				\$450,000				\$450,000
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$450,000	\$0	\$0	\$0	\$450,000	\$0	\$0	\$0	\$450,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$450,000				\$450,000				\$450,000
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		\$450,000	\$0	\$0	\$0	\$450,000	\$0	\$0	\$0	\$450,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Intersection Improvements - Pearland Parkway at Barry Rose						TR2202		9	
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. Pearland Parkway at Barry Rose Rd dual left turn lanes and dedicated right turn lanes in 2022-2023.</p>									
PROJECT JUSTIFICATION									
<p>Each of the citizen's surveys conducted (2013, 2015, 2017 & 2019), 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. In the July 2015 Traffic Management Plan this intersection was identified as a priority to help address congestion and safety at this intersection.</p>									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget						<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)			
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS						
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying		\$180,000				\$180,000			\$180,000
Construction		\$1,240,000					\$1,240,000		\$1,240,000
Equipment and Furniture									
Contingency		\$80,000				\$40,000	\$40,000		\$80,000
TOTAL COSTS		\$1,500,000	\$0	\$0	\$0	\$220,000	\$1,280,000	\$0	\$1,500,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES						
		ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation		\$1,500,000				\$220,000	\$1,280,000		\$1,500,000
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		\$1,500,000	\$0	\$0	\$0	\$220,000	\$1,280,000	\$0	\$1,500,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Traffic Signal Upgrades Program FY23					TR2301		10		
PROJECT DESCRIPTION					PROJECT IMAGE				
The Traffic Signal update will include replacement of the existing outdated signal management system to conform to the City of Pearland specifications. The current vehicle detection cameras will be replaced with in ground detection units that detects vehicle specs Budget for the 2023 Fiscal Year will include the upgrade of traffic signal management and detection equipment along the Magnolia Parkway corridor from Pearland Parkway to SH288. The City will coordinate with the County utilizing the Interlocal agreement to incorporate operation of the County Signals at Morgan Rd, CR90 and CR94.									
PROJECT JUSTIFICATION									
The City's existing traffic signal system 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$450,000					\$450,000			\$450,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$450,000	\$0	\$0	\$0	\$0	\$450,000	\$0	\$0	\$450,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation	\$450,000					\$450,000			\$450,000
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	\$450,000	\$0	\$0	\$0	\$0	\$450,000	\$0	\$0	\$450,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Street Reconstruction - Sherwood					TR2302		8		
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 street or neighborhood identified for FY 22 - 23 includes 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 \$4.6 million (2018 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	2021	2022	2023	2024	2025				
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									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$830,000					\$830,000			\$830,000
Construction	\$4,300,000						\$4,300,000		\$4,300,000
Equipment and Furniture									
Contingency	\$250,000					\$100,000	\$150,000		\$250,000
TOTAL COSTS	\$5,380,000	\$0	\$0	\$0	\$0	\$930,000	\$4,450,000	\$0	\$5,380,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash									
Certificates of Obligation									
2007 General Obligation Bonds									
2019 General Obligation Bonds	\$5,380,000					\$930,000	\$4,450,000		\$5,380,000
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	\$5,380,000	\$0	\$0	\$0	\$0	\$930,000	\$4,450,000	\$0	\$5,380,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Traffic Signal Upgrades Program FY24						TR2401		11		
PROJECT DESCRIPTION						PROJECT IMAGE				
The Traffic Signal update will include replacement of the existing outdated signal management system to conform to the City of Pearland specifications. Budget for the 2024 Fiscal Year will include the upgrade of traffic signal management equipment along the Dixie Farm Corridor from McDonald south to SH 35, and completion of the McHard corridor by upgrading the intersections at Old Alvin, SH 35, and Cullen Blvd.										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$450,000						\$450,000		\$450,000
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$450,000	\$0	\$0	\$0	\$0	\$0	\$450,000	\$0	\$450,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$450,000						\$450,000		\$450,000
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		\$450,000	\$0	\$0	\$0	\$0	\$0	\$450,000	\$0	\$450,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Intersection Improvements - McHard at Cullen Parkway					TR2402		12			
PROJECT DESCRIPTION					PROJECT IMAGE					
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. McHard at Cullen Parkway dual eastbound left turn lanes and westbound dedicated right turn lanes in 2024.										
PROJECT JUSTIFICATION										
Each of the citizen's survey conducted (2013, 2015, 2017 & 2019), 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. In the July 2015 Traffic Management Plan this intersection was identified as a priority to help address congestion and safety at this intersection.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$90,000							\$90,000	\$90,000
Construction		\$620,000							\$620,000	\$620,000
Equipment and Furniture										
Contingency		\$40,000							\$40,000	\$40,000
TOTAL COSTS		\$750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$750,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
General Revenue - Cash										
Certificates of Obligation		\$750,000							\$750,000	\$750,000
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		\$750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$750,000
¹ Explain & Identify Type of Other Sources:										

**CITY OF PEARLAND
2021 - 2025 CAPITAL IMPROVEMENT PROGRAM
WATER**

Project No.	Project Name	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
WA1605	Surface Water Plant Phase 1 (10 MGD)	178,400,000						178,400,000	
WA1803	FM 1128 Waterline - Bailey to CR 100			125,000				125,000	125,000
WA1804	CR 100 Waterline - Veterans Dr to FM 1128			250,000				250,000	250,000
WA1805	Veterans Dr. Waterline - Bailey Rd. to CR 128			225,000				225,000	225,000
WA1901	Bailey Water Plant Improvements	2,540,000	6,600,000					9,140,000	6,600,000
WA1903	Heritage Green Transite Pipe Water Line	1,082,339						1,082,339	
WA1904	Southdown Plant Ground Storage Tank	2,500,000						2,500,000	
WA1906	Oak Brook Water Quality Program Phase 1	427,000						427,000	
WA1907	Orange Circle Waterline	320,000						320,000	
WA2002	North Corrigan Transite Pipe Water Line	1,000,000						1,000,000	
WA2003	Oak Brook Water Quality Program Phase 2	837,000						837,000	
WA2004	Sleepy Hollow Waterline	60,000	420,000					480,000	420,000
WA2101	Liberty Elevated Storage Tank Rehabilitation		975,000					975,000	975,000
WA2102	Liberty Ground Storage Tank Rehabilitation		775,000					775,000	775,000
WA2103	FM 518 Utility Relocations - SH 288 to Cullen		100,000	490,000	6,900,000			7,490,000	7,490,000
WA2104	Water Production Facilities Rehabilitation	902,595	250,000					1,152,595	250,000
WA2105	South Corrigan Subdivision Transite Pipe Water		3,350,000					3,350,000	3,350,000
WA2106	Westwood Village Water Quality Program		925,000					925,000	925,000
WA2107	SCADA		1,500,000	750,000				2,250,000	2,250,000
WA2108	Magnolia Parkway Water Line Looping (Kirby Drive		70,000					70,000	70,000
WA2201	Sherwood Waterline Replacement			240,000	1,420,000			1,660,000	1,660,000
WA2202	McLean Water Production Facility Rehabilitation			120,000	1,100,000			1,220,000	1,220,000
WA2203	Green Tee Transite Pipe Water Line Replacement			4,800,000				4,800,000	4,800,000
WA2204	Town Lakes Water Quality Program			925,000				925,000	925,000
WA2205	Southeast (Bailey) Elevated Storage Tank			1,375,000				1,375,000	1,375,000
WA2206	Magnolia Ground Storage Tank Rehabilitation			575,000				575,000	575,000
WA2301	Liberty Water Production Facility Rehabilitation				120,000	1,100,000		1,220,000	1,220,000
WA2302	Country Place Transite Pipe Water Line Replacement				550,000	6,550,000		7,100,000	7,100,000
WA2303	West Oaks Water Quality Program				925,000			925,000	925,000
WA2304	McLean Elevated Storage Tank Rehabilitation				850,000			850,000	850,000
WA2305	McLean Ground Storage Tank Rehabilitation				575,000			575,000	575,000
WA2401	Magnolia Water Production Facility Rehabilitation					150,000	1,350,000	1,500,000	1,500,000
WA2402	Park View Transite Pipe Water Line Replacement					5,000,000		5,000,000	5,000,000
WA2403	Cullen Elevated Storage Tank Rehabilitation					1,375,000		1,375,000	1,375,000
WA2404	Cullen Ground Storage Tank Rehabilitation					320,000	2,200,000	2,520,000	2,520,000
WA2405	Hughes Ranch Road East Waterline Ph II					1,082,000	1,830,000	2,912,000	2,912,000
WA2501	Wood Creek Transite Pipe Water Line Replacement						5,600,000	5,600,000	5,600,000
WA2502	West Oaks Village Water Quality Program						925,000	925,000	925,000
WA2503	Kirby Elevated Storage Tank Rehabilitation						1,125,000	1,125,000	1,125,000
WA2504	Kirby Ground Storage Tank Rehabilitation						420,000	420,000	420,000
	TOTAL	\$ 188,068,934	\$ 14,965,000	\$ 9,875,000	\$ 12,440,000	\$ 15,577,000	\$ 13,450,000	\$ 254,375,934	\$ 66,307,000

**CITY OF PEARLAND
2021 - 2025 CAPITAL IMPROVEMENT PROGRAM
WATER**

SOURCE OF FUNDS	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
<i>Non-Debt Funded</i>								
System Revenues - Cash	3,994,000	2,270,000	2,775,000	670,000	1,011,000	1,345,000	12,065,000	8,071,000
Impact Fees - Cash	-	-	-	-	541,000	-	541,000	541,000
Other Funding Sources*	984,934	70,000	-	-	-	-	1,054,934	70,000
<i>Water/Sewer Supported Debt (Enterprise Fund)</i>								
W/S Revenue Bonds	81,647,500	10,305,000	21,662,500	11,770,000	14,025,000	11,190,000	150,600,000	68,952,500
Impact Fees - Debt	74,637,500	-	14,562,500	-	-	915,000	90,115,000	15,477,500
<i>Less Projects Appropriated in Previous Year</i>							-	(26,805,000)
TOTAL	\$ 161,263,934	\$ 12,645,000	\$ 39,000,000	\$ 12,440,000	\$ 15,577,000	\$ 13,450,000	\$ 254,375,934	\$ 66,307,000

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.

PROJECT NAME	PROJECT #	PREFERENCE ORDER
Surface Water Plant Phase 1 (10 MGD)	WA1605	On Going

PROJECT DESCRIPTION
Pilot testing, design, and construction of 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. 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 Broadway corridors. Project will include installation of fiber to serve the City's SCADA system.

PROJECT IMAGE



PROJECT JUSTIFICATION
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 and confirmed by the 2018 water model established that the demand for an additional 10 MGD would need to be met by 2022/2023.

INCREMENTAL OPERATING AND MAINTENANCE COSTS

Impact on operating budget No Yes (See Below)

Fiscal Year	2021	2022	2023	2024	2025
Total Revenue					
Personnel Services			\$184,597	\$554,013	\$784,480
Operation & Maintenance			\$4,969	\$430,042	\$2,556,065
Capital Outlay		\$20,630		\$19,871	
Total Expense		\$20,630	\$189,566	\$1,003,926	\$3,340,545
FTE Staff Total		3.0		6.0	4.0

PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report	\$9,400,000	\$9,400,000	\$9,400,000						\$9,400,000
Land/Right of Way	\$1,000,000	\$1,900,000	\$1,000,000						\$1,000,000
Design/Surveying	\$12,500,000	\$12,000,000	\$12,500,000						\$12,500,000
Construction	\$150,000,000	\$145,000,000	\$150,000,000						\$150,000,000
Equipment and Furniture	\$1,000,000		\$1,000,000						\$1,000,000
Contingency	\$4,500,000	\$10,100,000	\$4,500,000						\$4,500,000
TOTAL COSTS	\$178,400,000	\$178,400,000	\$178,400,000	\$0	\$0	\$0	\$0	\$0	\$178,400,000


FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$74,637,500	\$74,637,500		\$14,562,500				\$89,200,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt	\$89,200,000	\$74,637,500	\$74,637,500		\$14,562,500				\$89,200,000
Other Funding Sources ¹ -									
TOTAL SOURCES	\$178,400,000	\$149,275,000	\$149,275,000	\$0	\$29,125,000	\$0	\$0	\$0	\$178,400,000

¹Explain & 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 1128 Water Line - Bailey to CR 100					WA1803		On Going		
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$1,000	\$1,000	\$1,000				
Capital Outlay									
Total Expense			\$1,000	\$1,000	\$1,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$0	\$0	\$125,000	\$0	\$0	\$0	\$125,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$0	\$0	\$125,000	\$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		On Going	
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$1,000	\$1,000	\$1,000				
Capital Outlay									
Total Expense			\$1,000	\$1,000	\$1,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$0	\$0	\$250,000	\$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		On Going		
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$1,000	\$1,000	\$1,000				
Capital Outlay									
Total Expense			\$1,000	\$1,000	\$1,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$0	\$0	\$225,000	\$0	\$0	\$0	\$225,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$0	\$0	\$225,000	\$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		On Going			
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. Phase 1 of this project is the installation of a new 1 MG concrete Ground Storage Tank to replace the existing welded steel tank. Phase 2 of this project will be the construction of a Water Treatment Plant and the installation of a waterline to transport water from the Magnolia Water Plant to the Treatment Plant.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$16,845	\$160,106	\$161,606	\$176,606				
Capital Outlay									
Total Expense		\$16,845	\$160,106	\$161,606	\$176,606				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$540,000	\$540,000	\$540,000						\$540,000
Construction	\$7,800,000	\$3,600,000	\$1,800,000	\$6,000,000					\$7,800,000
Equipment and Furniture									
Contingency	\$800,000	\$720,000	\$200,000	\$600,000					\$800,000
TOTAL COSTS	\$9,140,000	\$4,860,000	\$2,540,000	\$6,600,000	\$0	\$0	\$0	\$0	\$9,140,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$4,280,000					\$9,140,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$4,860,000	\$4,860,000	\$4,860,000	\$4,280,000	\$0	\$0	\$0	\$0	\$9,140,000
¹ Explain & Identify Type of Other Sources: Bonds Sold - \$620,000 in 2018 and \$4,240,000 in 2019.									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Heritage Green Transite Pipe Water Line Replacement					WA1903		On Going		
PROJECT DESCRIPTION					PROJECT IMAGE				
The City has approximately 63 miles of transite pipe water lines to be replaced over a period of years. This project will strategically replace approximately 1.25 miles of transite water line infrastructure in the Heritage Green subdivision.									
PROJECT JUSTIFICATION									
Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This project will replace the 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 requires greater resources to maintain relative to PVC. The project 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$82,339	\$82,339	\$82,339						\$82,339
Construction	\$900,000	\$1,000,000	\$900,000						\$900,000
Equipment and Furniture									
Contingency	\$100,000		\$100,000						\$100,000
TOTAL COSTS	\$1,082,339	\$1,082,339	\$1,082,339	\$0	\$0	\$0	\$0	\$0	\$1,082,339
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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						\$82,339
TOTAL SOURCES	\$1,082,339	\$1,082,339	\$1,082,339	\$0	\$0	\$0	\$0	\$0	\$1,082,339
¹Explain & 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		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
The project will entail the removal of an existing 140,000-gallon bolted steel ground storage tank (GST) and replacing it with a new 400,000-gallon welded steel GST and associated yard piping, permanent removal of two existing hydro-pneumatic pressure tanks, installation of a variable frequency drives (VFD) on an existing booster pumps, addition of a diesel fuel standby generator and various valves, fittings and related appurtenances.									
PROJECT JUSTIFICATION									
Existing storage volume is undersized for demand according to the 2018 water model and the existing 140,000 gallon bolted steel tank is beyond its service life. Installation of the variable frequency drives for the pumps 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$750	\$34,750	\$34,750	\$34,750				
Capital Outlay									
Total Expense		\$750	\$34,750	\$34,750	\$34,750				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$300,000	\$300,000	\$300,000						\$300,000
Construction	\$2,000,000	\$2,000,000	\$2,000,000						\$2,000,000
Equipment and Furniture									
Contingency	\$200,000	\$400,000	\$200,000						\$200,000
TOTAL COSTS	\$2,500,000	\$2,700,000	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$2,500,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$2,150,000	\$2,350,000	\$2,150,000						\$2,150,000
System Revenue - Cash	\$350,000	\$350,000	\$350,000						\$350,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$2,500,000	\$2,700,000	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$2,500,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Oak Brook Water Quality Program Phase 1				WA1906		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
<p>The proposed project will address water quality issues related to the age of the water in the system. As part of the city's multi-year water distribution system improvement program this project will improve the circulation of water within the Oakbrook subdivision. This will be accomplished by looping the dead end water lines in the system. In addition to improving water quality, the projects will have the added benefit of reducing the need to flush water lines, thus reducing system water loss. Streets included in Phase 1 are: Oak Lane Circle, Oak Cluster Circle, Oak Gate Circle, Oakbrook Circle, Oak Fork Circle, Oak Tree Circle, Oak Shire Drive, Castle Oaks Drive, Barretts Glen Drive, and Oak Lodge Drive. The project is divided into two phases based on a relative order of priority, a higher priority is assigned base on the number of connections receiving benefit from the improvements. Priority one will be competed first, phase 2 will follow.</p>									
PROJECT JUSTIFICATION									
<p>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 waterline this will assist in enhancing water quality by circulating water, reduce staff time called out to flush waterlines and reduce system water loss.</p>									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$30,000	\$50,000	\$30,000						\$30,000
Design/Surveying	\$47,000	\$30,000	\$47,000						\$47,000
Construction	\$320,000	\$300,000	\$320,000						\$320,000
Equipment and Furniture									
Contingency	\$30,000		\$30,000						\$30,000
TOTAL COSTS	\$427,000	\$380,000	\$427,000	\$0	\$0	\$0	\$0	\$0	\$427,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$427,000	\$380,000	\$427,000						\$427,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$427,000	\$380,000	\$427,000	\$0	\$0	\$0	\$0	\$0	\$427,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Orange Circle Water Line				WA1907		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
This project includes the replacement of 1,700 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 (Linwood Oak & Orange Circle).									
PROJECT JUSTIFICATION									
Replacement of the waterline is required due to reconstruction of the street and due to the existing 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 as part of the transite replacement program.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$30,000	\$30,000	\$30,000						\$30,000
Construction	\$255,000	\$175,000	\$255,000						\$255,000
Equipment and Furniture									
Contingency	\$35,000	\$35,000	\$35,000						\$35,000
TOTAL COSTS	\$320,000	\$240,000	\$320,000	\$0	\$0	\$0	\$0	\$0	\$320,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$320,000	\$240,000	\$320,000						\$320,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$320,000	\$240,000	\$320,000	\$0	\$0	\$0	\$0	\$0	\$320,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Oak Brook Water Quality Program Phase 2				WA2003		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
<p>As part of the city's multi-year program, Phase 2 of the project will address water quality issues related to the age of the water in the system. The objective is to improve circulation of water within the Oakbrook subdivision by looping the dead end water lines where possible with the added benefit of reducing the need to flush water lines, reducing system water loss. Streets included in Phase 2 are: Oak Bent Drive, Branch Hill Drive, Oak Lodge Drive, Scarlet Oak Drive, Oak Top Drive, East Baden Oaks Drive, Dixie Hill Court, Oak Point Court, Bracket Drive, Oak Leaf Circle, Oak Land Circle, Oak Point Drive, Pin Oak Drive N, Oak Place Court, Oak Trace Court, Oak Chase Court, Oak Bark Court, Majestic Oaks Court, and Winding Forest Drive. Although design was divided into two phases, based on a relative order of priority, the construction phase will be carried out in a single phase to limit impact to customers as much as possible.</p>									
PROJECT JUSTIFICATION									
<p>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 waterline this will assist in enhancing water quality by circulating water, reduce staff time called out to flush waterlines and reduce system water loss.</p>									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$50,000	\$50,000	\$50,000						\$50,000
Design/Surveying	\$105,000	\$30,000	\$105,000						\$105,000
Construction	\$620,000	\$500,000	\$620,000						\$620,000
Equipment and Furniture									
Contingency	\$62,000		\$62,000						\$62,000
TOTAL COSTS	\$837,000	\$580,000	\$837,000	\$0	\$0	\$0	\$0	\$0	\$837,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$837,000	\$580,000	\$837,000						\$837,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$837,000	\$580,000	\$837,000	\$0	\$0	\$0	\$0	\$0	\$837,000
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		On Going			
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 - Sleepy Hollow.										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$60,000	\$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	\$60,000	\$60,000	\$420,000	\$0	\$0	\$0	\$0	\$480,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$60,000	\$420,000					\$480,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$480,000	\$60,000	\$60,000	\$420,000	\$0	\$0	\$0	\$0	\$480,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Liberty Elevated Storage Tank Rehabilitation					WA2101		3			
PROJECT DESCRIPTION					PROJECT IMAGE					
A full assessment of all 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. Also it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.										
PROJECT JUSTIFICATION										
The Liberty GST was built in the early 1980's and reviewing the annual TCEQ tank inspection reports the coatings have exceeded its useful life. To continue 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$125,000			\$125,000					\$125,000
Construction		\$750,000			\$750,000					\$750,000
Equipment and Furniture										
Contingency		\$100,000			\$100,000					\$100,000
TOTAL COSTS		\$975,000	\$0	\$0	\$975,000	\$0	\$0	\$0	\$0	\$975,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$975,000			\$975,000					\$975,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$975,000	\$0	\$0	\$975,000	\$0	\$0	\$0	\$0	\$975,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Liberty Ground Storage Tank Rehabilitation				WA2102		4			
PROJECT DESCRIPTION				PROJECT IMAGE					
A full assessment of 15 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, restore/update city logo and perform any minor vent and pipe work necessary to maintain this asset. Also it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.									
PROJECT JUSTIFICATION									
The Liberty EST was built in the early 1980's and reviewing the annual TCEQ tank inspection reports the coatings have exceeded its useful life. 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$200,000			\$200,000					\$200,000
Construction	\$500,000			\$500,000					\$500,000
Equipment and Furniture									
Contingency	\$75,000			\$75,000					\$75,000
TOTAL COSTS	\$775,000	\$0	\$0	\$775,000	\$0	\$0	\$0	\$0	\$775,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$775,000			\$775,000					\$775,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$775,000	\$0	\$0	\$775,000	\$0	\$0	\$0	\$0	\$775,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME						PROJECT #		PREFERENCE ORDER	
FM 518 Utility Relocations (SH288 to Cullen Parkway)						WA2103		6	
PROJECT DESCRIPTION						PROJECT IMAGE			
This project will relocate approximately 12,100 LF of 16" water main from SH 288 to Cullen Parkway. This waterline is in TxDOT ROW of FM 518 and will need to be relocated for the roadway widening. The project will also include relocating approximately 11,800 LF of fiber.									
PROJECT JUSTIFICATION									
TxDOT is scheduling to widen FM518 from SH288 to SH35. The first phase is to start at SH 288 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$550,000			\$100,000	\$450,000				\$550,000
Construction	\$5,800,000					\$5,800,000			\$5,800,000
Equipment and Furniture									
Contingency	\$1,140,000				\$40,000	\$1,100,000			\$1,140,000
TOTAL COSTS	\$7,490,000	\$0	\$0	\$100,000	\$490,000	\$6,900,000	\$0	\$0	\$7,490,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$6,900,000					\$6,900,000			\$6,900,000
System Revenue - Cash	\$590,000			\$100,000	\$490,000				\$590,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$7,490,000	\$0	\$0	\$100,000	\$490,000	\$6,900,000	\$0	\$0	\$7,490,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Water Production Facilities Rehabilitation				WA2104		On Going				
PROJECT DESCRIPTION				PROJECT IMAGE						
Based upon preliminary engineering report findings, priority improvements will be made for the following water plants: FM 521 (Shadow Creek) – replace underground isolation valves, replace leaking discharge piping, provide chemical tank pad, replace site fencing; Country Place – paint well site piping, replace well site fencing, replace three underground isolation valves, paint booster station piping; Alice plant – install three isolation valves (30" and 2 ea-18"); Cullen Plant – replace leaking isolation valve, paint booster piping, install plug on underground valve.										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$1,152,595		\$902,595	\$250,000					\$1,152,595
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$1,152,595	\$0	\$902,595	\$250,000	\$0	\$0	\$0	\$0	\$1,152,595
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -		\$902,595		\$902,595						\$902,595
TOTAL SOURCES		\$1,152,595	\$0	\$902,595	\$250,000	\$0	\$0	\$0	\$0	\$1,152,595
*Explain & Identify Type of Other Sources: Combined WA1603 - \$152,595, WA1801 - \$250K, WA1902 - \$250K, and WA2001 - \$250K.										


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
South Corrigan Subdivision Transite Pipe Water Line Replacement				WA2105		2				
PROJECT DESCRIPTION				PROJECT IMAGE						
The City has approximately 63 miles of failing transite pipe water lines to be replaced over a period of years. This project will strategically replace approximately 3.5 miles of transite water line infrastructure in the South Corrigan subdivision.										
PROJECT JUSTIFICATION										
Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This project 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 requires greater resources to maintain relative to PVC. The project 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way		\$100,000			\$100,000					\$100,000
Design/Surveying		\$250,000			\$250,000					\$250,000
Construction		\$2,500,000			\$2,500,000					\$2,500,000
Equipment and Furniture										
Contingency		\$500,000			\$500,000					\$500,000
TOTAL COSTS		\$3,350,000	\$0	\$0	\$3,350,000	\$0	\$0	\$0	\$0	\$3,350,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$3,350,000			\$3,350,000					\$3,350,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$3,350,000	\$0	\$0	\$3,350,000	\$0	\$0	\$0	\$0	\$3,350,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Westwood Village Water Quality Program				WA2106		5				
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.										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way		\$50,000			\$50,000					\$50,000
Design/Surveying		\$50,000			\$50,000					\$50,000
Construction		\$750,000			\$750,000					\$750,000
Equipment and Furniture										
Contingency		\$75,000			\$75,000					\$75,000
TOTAL COSTS		\$925,000	\$0	\$0	\$925,000	\$0	\$0	\$0	\$0	\$925,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$925,000			\$925,000					\$925,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$925,000	\$0	\$0	\$925,000	\$0	\$0	\$0	\$0	\$925,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME						PROJECT #		PREFERENCE ORDER		
SCADA						WA2107		1		
PROJECT DESCRIPTION						PROJECT IMAGE				
City's Supervisory Control and Data Acquisition (SCADA) project that will update/replace an antiquated system that was installed in the early 2000's. The project will evaluate the existing facilities with the goal of standardizing the water and wastewater facilities infrastructure components and software and begin the migration from the existing system to the updated system (GE iFix 6) that will incorporate the SCADA system at Reflection Bay and complete the centralization of data storage at the Public Safety Building.										
PROJECT JUSTIFICATION										
Since the implementation of SCADA over 15 years ago, the system has reached the end of its useful life and equipment that has been in place is no longer supported and is outdated. Public Works has been utilizing the equipment and programming to the best of the ability but with new equipment and the advancements in technology of the equipment, the existing SCADA system is unable to support these improvements.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction										
Equipment and Furniture		\$2,250,000			\$1,500,000	\$750,000				\$2,250,000
Contingency										
TOTAL COSTS		\$2,250,000	\$0	\$0	\$1,500,000	\$750,000	\$0	\$0	\$0	\$2,250,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$2,250,000			\$1,500,000	\$750,000				\$2,250,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$2,250,000	\$0	\$0	\$1,500,000	\$750,000	\$0	\$0	\$0	\$2,250,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Magnolia Parkway Water Line Looping (Kirby Drive to Granite Trace Lane)				WA2108		7				
PROJECT DESCRIPTION				PROJECT IMAGE						
The project will provide for the looping of two dead end water lines located on Kirby Drive and Granite Trace Lane to provide for improved water circulation and water quality. A 12" water line will be used to connect these two water lines and will provide for extension west on Magnolia Parkway to CR48 when development occurs.										
PROJECT JUSTIFICATION										
The project will loop two dead end lines and provide water circulation to improve water quality in the area and provide for future extension.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$70,000			\$70,000					\$70,000
Equipment and Furniture										
Contingency										
TOTAL COSTS		\$70,000	\$0	\$0	\$70,000	\$0	\$0	\$0	\$0	\$70,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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 -		\$70,000			\$70,000					\$70,000
TOTAL SOURCES		\$70,000	\$0	\$0	\$70,000	\$0	\$0	\$0	\$0	\$70,000
¹ Explain & Identify Type of Other Sources: Fund 570 fund balance - \$70K										


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Sherwood Waterline Replacement					WA2201		8		
PROJECT DESCRIPTION					PROJECT IMAGE				
This project includes the replacement of 7,200 LF of transite 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 (Sherwood).									
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. Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This project will replace the 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 requires greater 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$190,000				\$190,000				\$190,000
Construction	\$1,220,000					\$1,220,000			\$1,220,000
Equipment and Furniture									
Contingency	\$250,000				\$50,000	\$200,000			\$250,000
TOTAL COSTS	\$1,660,000	\$0	\$0	\$0	\$240,000	\$1,420,000	\$0	\$0	\$1,660,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,420,000					\$1,420,000			\$1,420,000
System Revenue - Cash	\$240,000				\$240,000				\$240,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,660,000	\$0	\$0	\$0	\$240,000	\$1,420,000	\$0	\$0	\$1,660,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
McLean Water Production Facility Rehabilitation					WA2202		10		
PROJECT DESCRIPTION					PROJECT IMAGE				
Based on the preliminary engineering report findings, priority improvements will be made at the McLean Water Plant – Replace three (3) existing booster pumps and motors with new booster pump station in enclosed building. Replace all plant piping and valves between ground storage tank and plant discharge. Repair and recoat generator enclosure. Replace underground piping within plant with the City's standard minimum size of 12-inches diameter. Replace fencing. Replace the containment system and update the facility's storage room. Prepare as-built drawings of plant site, perform testing, cctv inspection, & draw-down testing of water well.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$120,000				\$120,000				\$120,000
Construction	\$1,000,000					\$1,000,000			\$1,000,000
Equipment and Furniture									
Contingency	\$100,000					\$100,000			\$100,000
TOTAL COSTS	\$1,220,000	\$0	\$0	\$0	\$120,000	\$1,100,000	\$0	\$0	\$1,220,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,100,000					\$1,100,000			\$1,100,000
System Revenue - Cash	\$120,000				\$120,000				\$120,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,220,000	\$0	\$0	\$0	\$120,000	\$1,100,000	\$0	\$0	\$1,220,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Green Tee Transite Pipe Water Line Replacement					WA2203		9			
PROJECT DESCRIPTION					PROJECT IMAGE					
The City has approximately 63 miles of transite pipe water lines to be replaced over a period of years. This project will strategically replace approximately 5.25 miles of transite water line infrastructure in the Green Tee subdivision.										
PROJECT JUSTIFICATION										
Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This project will replace the 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 requires greater resources to maintain relative to PVC. The project 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way		\$100,000				\$100,000				\$100,000
Design/Surveying		\$300,000				\$300,000				\$300,000
Construction		\$3,900,000				\$3,900,000				\$3,900,000
Equipment and Furniture										
Contingency		\$500,000				\$500,000				\$500,000
TOTAL COSTS		\$4,800,000	\$0	\$0	\$0	\$4,800,000	\$0	\$0	\$0	\$4,800,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$4,800,000				\$4,800,000				\$4,800,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$4,800,000	\$0	\$0	\$0	\$4,800,000	\$0	\$0	\$0	\$4,800,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Town Lakes Water Quality Program					WA2204		12		
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, West Oaks, and West Oaks Village.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$50,000				\$50,000				\$50,000
Design/Surveying	\$50,000				\$50,000				\$50,000
Construction	\$750,000				\$750,000				\$750,000
Equipment and Furniture									
Contingency	\$75,000				\$75,000				\$75,000
TOTAL COSTS	\$925,000	\$0	\$0	\$0	\$925,000	\$0	\$0	\$0	\$925,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$925,000				\$925,000				\$925,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$925,000	\$0	\$0	\$0	\$925,000	\$0	\$0	\$0	\$925,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Southeast (Bailey) Elevated Storage Tank Rehabilitation					WA2205		11		
PROJECT DESCRIPTION					PROJECT IMAGE				
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. Also it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.									
PROJECT JUSTIFICATION									
This EST was built in the early 2000's and reviewing the annual TCEQ tank inspection reports the coatings have exceeded its useful life. 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$1,250,000				\$1,250,000				\$1,250,000
Equipment and Furniture									
Contingency	\$125,000				\$125,000				\$125,000
TOTAL COSTS	\$1,375,000	\$0	\$0	\$0	\$1,375,000	\$0	\$0	\$0	\$1,375,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,375,000				\$1,375,000				\$1,375,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,375,000	\$0	\$0	\$0	\$1,375,000	\$0	\$0	\$0	\$1,375,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Magnolia Ground Storage Tank Rehabilitation				WA2206		13				
PROJECT DESCRIPTION				PROJECT IMAGE						
Typical coating life expectancy is between 7-15 years. It is recommended to replace the interior and exterior coating systems, restore/update city logo and perform any minor vent and pipe work necessary to maintain this asset. Also it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.										
PROJECT JUSTIFICATION										
This GST was built in the early 1980's and reviewing the annual TCEQ tank inspection reports the coatings have exceeded its useful life. 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$500,000				\$500,000				\$500,000
Equipment and Furniture										
Contingency		\$75,000				\$75,000				\$75,000
TOTAL COSTS		\$575,000	\$0	\$0	\$0	\$575,000	\$0	\$0	\$0	\$575,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$575,000				\$575,000				\$575,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$575,000	\$0	\$0	\$0	\$575,000	\$0	\$0	\$0	\$575,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Liberty Water Production Facility Rehabilitation						WA2301		15	
PROJECT DESCRIPTION						PROJECT IMAGE			
Based on the preliminary engineering report findings, priority improvements will be made at the Liberty Water Plant – Replace three (3) existing booster pumps and motors with new booster pump station. Rehabilitate building. Replace plant discharge piping and valves. Pave the existing driveway, replace fence, and make landscape improvements. Prepare as-built drawings of plant site, perform testing, cctv inspection, & draw-down testing of water well.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$120,000					\$120,000			\$120,000
Construction	\$1,000,000						\$1,000,000		\$1,000,000
Equipment and Furniture									
Contingency	\$100,000						\$100,000		\$100,000
TOTAL COSTS	\$1,220,000	\$0	\$0	\$0	\$0	\$120,000	\$1,100,000	\$0	\$1,220,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,100,000						\$1,100,000		\$1,100,000
System Revenue - Cash	\$120,000					\$120,000			\$120,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,220,000	\$0	\$0	\$0	\$0	\$120,000	\$1,100,000	\$0	\$1,220,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Country Place Transite Pipe Water Line Replacement						WA2302		14		
PROJECT DESCRIPTION						PROJECT IMAGE				
The City has approximately 63 miles of transite pipe water lines to be replaced over a period of years. This project will strategically replace approximately 7.25 miles of transite water line infrastructure in the Country Place subdivision.										
PROJECT JUSTIFICATION										
Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This project will replace the 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 requires greater resources to maintain relative to PVC. The project 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way		\$100,000					\$100,000			\$100,000
Design/Surveying		\$400,000					\$400,000			\$400,000
Construction		\$6,000,000						\$6,000,000		\$6,000,000
Equipment and Furniture										
Contingency		\$600,000					\$50,000	\$550,000		\$600,000
TOTAL COSTS		\$7,100,000	\$0	\$0	\$0	\$0	\$550,000	\$6,550,000	\$0	\$7,100,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$6,550,000						\$6,550,000		\$6,550,000
System Revenue - Cash		\$550,000					\$550,000			\$550,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$7,100,000	\$0	\$0	\$0	\$0	\$550,000	\$6,550,000	\$0	\$7,100,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
West Oaks Water Quality Program					WA2303		16		
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, West Oaks, and West Oaks Village.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$50,000					\$50,000			\$50,000
Design/Surveying	\$50,000					\$50,000			\$50,000
Construction	\$750,000					\$750,000			\$750,000
Equipment and Furniture									
Contingency	\$75,000					\$75,000			\$75,000
TOTAL COSTS	\$925,000	\$0	\$0	\$0	\$0	\$925,000	\$0	\$0	\$925,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$925,000					\$925,000			\$925,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$925,000	\$0	\$0	\$0	\$0	\$925,000	\$0	\$0	\$925,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
McLean Elevated Storage Tank Rehabilitation					WA2304		17			
PROJECT DESCRIPTION					PROJECT IMAGE					
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. Also it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.										
PROJECT JUSTIFICATION										
This EST was built in the early 1980's and reviewing the annual TCEQ tank inspection reports the coatings have exceeded its useful life. 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$750,000					\$750,000			\$750,000
Equipment and Furniture										
Contingency		\$100,000					\$100,000			\$100,000
TOTAL COSTS		\$850,000	\$0	\$0	\$0	\$0	\$850,000	\$0	\$0	\$850,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$850,000					\$850,000			\$850,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$850,000	\$0	\$0	\$0	\$0	\$850,000	\$0	\$0	\$850,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
McLean Ground Storage Tank Rehabilitation					WA2305		18		
PROJECT DESCRIPTION					PROJECT IMAGE				
Typical coating life expectancy is between 7-15 years. It is recommended to replace the interior and exterior coating systems, restore/update city logo and perform any minor vent and pipe work necessary to maintain this asset. Also it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.									
PROJECT JUSTIFICATION									
This GST was built in the early 1960's and reviewing the annual TCEQ tank inspection reports the coatings have exceeded its useful life. 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$500,000					\$500,000			\$500,000
Equipment and Furniture									
Contingency	\$75,000					\$75,000			\$75,000
TOTAL COSTS	\$575,000	\$0	\$0	\$0	\$0	\$575,000	\$0	\$0	\$575,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$575,000					\$575,000			\$575,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$575,000	\$0	\$0	\$0	\$0	\$575,000	\$0	\$0	\$575,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Magnolia Water Production Facility Rehabilitation						WA2401		22		
PROJECT DESCRIPTION						PROJECT IMAGE				
Based on the preliminary engineering report findings, priority improvements will be made at the Magnolia Water Plant – Replace three (3) existing booster pumps and motors with new booster pump station. Rehabilitate booster pump building, pave the existing driveway, fence and landscaping improvements. Rehabilitate existing onsite office. Replace plant discharge piping and valves. Prepare as-built drawings of plant site, perform testing, cctv inspection, & draw-down testing of water well.										
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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$150,000							\$150,000		\$150,000
Construction	\$1,250,000								\$1,250,000	\$1,250,000
Equipment and Furniture										
Contingency	\$100,000								\$100,000	\$100,000
TOTAL COSTS	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	\$1,350,000	\$1,500,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,350,000								\$1,350,000	\$1,350,000
System Revenue - Cash	\$150,000							\$150,000		\$150,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	\$1,350,000	\$1,500,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Park View Transite Pipe Water Line Replacement					WA2402		19		
PROJECT DESCRIPTION					PROJECT IMAGE				
The City has approximately 63 miles of transite pipe water lines to be replaced over a period of years. This project will strategically replace approximately 4.25 miles of transite water line infrastructure in the Park View subdivision.									
PROJECT JUSTIFICATION									
Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This project will replace the 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 requires greater resources to maintain relative to PVC. The project 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$100,000						\$100,000		\$100,000
Design/Surveying	\$400,000						\$400,000		\$400,000
Construction	\$4,000,000						\$4,000,000		\$4,000,000
Equipment and Furniture									
Contingency	\$500,000						\$500,000		\$500,000
TOTAL COSTS	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$5,000,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$5,000,000						\$5,000,000		\$5,000,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$5,000,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Cullen Elevated Storage Tank Rehabilitation					WA2403		21			
PROJECT DESCRIPTION					PROJECT IMAGE					
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. Also it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.										
PROJECT JUSTIFICATION										
This EST was built in the early 2000's and reviewing the annual TCEQ tank inspection reports the coatings have exceeded its useful life. 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$1,250,000						\$1,250,000		\$1,250,000
Equipment and Furniture										
Contingency		\$125,000						\$125,000		\$125,000
TOTAL COSTS		\$1,375,000	\$0	\$0	\$0	\$0	\$0	\$1,375,000	\$0	\$1,375,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$1,375,000						\$1,375,000		\$1,375,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$1,375,000	\$0	\$0	\$0	\$0	\$0	\$1,375,000	\$0	\$1,375,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Cullen Ground Storage Tank Replacement					WA2404		23			
PROJECT DESCRIPTION					PROJECT IMAGE					
The project will be to replace the existing 500,000 gallon bolted galvanized storage tank. The tank will be replaced with either a welded steel tank or a prestressed concrete tank. Also, it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.										
PROJECT JUSTIFICATION										
This GST was built in the early 2000's and in review of the annual TCEQ tank inspection reports show leakage of the tank around the bolts and gaskets and also with the panels themselves. The tank is showing signs of failure due to the galvanize coating failing causing leaks from other areas. Galvanized tanks are inexpensive and only last 15-20 years and have to be fully replaced.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$280,000						\$280,000		\$280,000
Construction		\$1,860,000							\$1,860,000	\$1,860,000
Equipment and Furniture										
Contingency		\$380,000						\$40,000	\$340,000	\$380,000
TOTAL COSTS		\$2,520,000	\$0	\$0	\$0	\$0	\$0	\$320,000	\$2,200,000	\$2,520,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$2,200,000							\$2,200,000	\$2,200,000
System Revenue - Cash		\$320,000						\$320,000		\$320,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$2,520,000	\$0	\$0	\$0	\$0	\$0	\$320,000	\$2,200,000	\$2,520,000
*Explain & Identify Type of Other Sources:										

PROJECT NAME						PROJECT #		PREFERENCE ORDER	
Hughes Ranch Road East Water Line Phase II (Cullen Parkway to Black Forest Way)						WA2405		24	
PROJECT DESCRIPTION						PROJECT IMAGE			
Installation of approximately 6,800 LF of a water line, extending along Hughes Ranch Road from Cullen Parkway to Black Forest Way. Included within this project is the installation of a water line along Hawk Meadows and Lee Rd. This water line extension will be part of the service to currently unwatered areas and also loop the waterline at Hickory Slough Sportsplex.									
PROJECT JUSTIFICATION									
The water line extension will tie the dead end water line at Hickory Slough Sportsplex entrance into the distribution 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	2021	2022	2023	2024	2025				
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									
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS						
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way		\$800,000					\$800,000		\$800,000
Design/Surveying		\$240,000					\$240,000		\$240,000
Construction		\$1,560,000						\$1,560,000	\$1,560,000
Equipment and Furniture									
Contingency		\$312,000					\$42,000	\$270,000	\$312,000
TOTAL COSTS		\$2,912,000	\$0	\$0	\$0	\$0	\$1,082,000	\$1,830,000	\$2,912,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES						
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$915,000						\$915,000	\$915,000
System Revenue - Cash		\$541,000					\$541,000		\$541,000
Impact Fees - Cash		\$541,000					\$541,000		\$541,000
Impact Fees - Debt		\$915,000						\$915,000	\$915,000
Other Funding Sources ¹ -									
TOTAL SOURCES		\$2,912,000	\$0	\$0	\$0	\$0	\$1,082,000	\$1,830,000	\$2,912,000
¹ Explain & Identify Type of Other Sources: Project 21 in 2017 impact fee update (50% of cost).									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Wood Creek Transite Pipe Water Line Replacement					WA2501		25		
PROJECT DESCRIPTION					PROJECT IMAGE				
The City has approximately 63 miles of transite pipe water lines to be replaced over a period of years. This project will strategically replace approximately 4.5 miles of transite water line infrastructure in the Wood Creek subdivision.									
PROJECT JUSTIFICATION									
Transite pipe water line has a failure rate significantly higher than that of comparable and like sized PVC. This project will replace the 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 requires greater resources to maintain relative to PVC. The project 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$100,000							\$100,000	\$100,000
Design/Surveying	\$400,000							\$400,000	\$400,000
Construction	\$4,600,000							\$4,600,000	\$4,600,000
Equipment and Furniture									
Contingency	\$500,000							\$500,000	\$500,000
TOTAL COSTS	\$5,600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,600,000	\$5,600,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$5,600,000							\$5,600,000	\$5,600,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$5,600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,600,000	\$5,600,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
West Oaks Village Water Quality Program					WA2502		26		
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, West Oaks, and West Oaks Village.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$50,000							\$50,000	\$50,000
Design/Surveying	\$50,000							\$50,000	\$50,000
Construction	\$750,000							\$750,000	\$750,000
Equipment and Furniture									
Contingency	\$75,000							\$75,000	\$75,000
TOTAL COSTS	\$925,000	\$0	\$0	\$0	\$0	\$0	\$0	\$925,000	\$925,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$925,000							\$925,000	\$925,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$925,000	\$0	\$0	\$0	\$0	\$0	\$0	\$925,000	\$925,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Kirby Elevated Storage Tank Rehabilitation					WA2503		27		
PROJECT DESCRIPTION					PROJECT IMAGE				
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. Also it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.									
PROJECT JUSTIFICATION									
This EST was built in the late 2000's and reviewing the annual TCEQ tank inspection reports the coatings have exceeded its useful life. 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$1,000,000							\$1,000,000	\$1,000,000
Equipment and Furniture									
Contingency	\$125,000							\$125,000	\$125,000
TOTAL COSTS	\$1,125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,125,000	\$1,125,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,125,000							\$1,125,000	\$1,125,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,125,000	\$1,125,000
¹ Explain & Identify Type of Other Sources:									

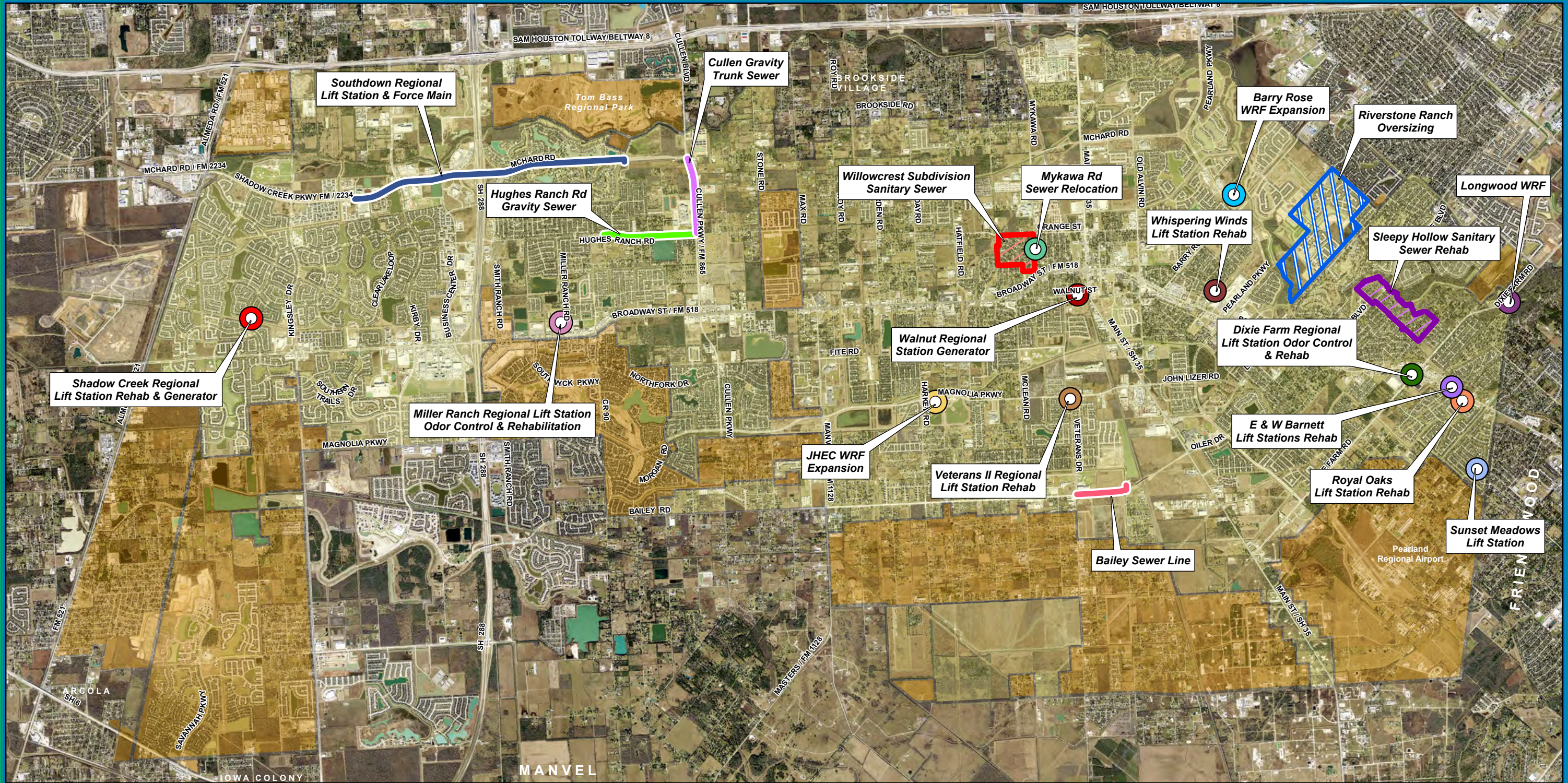
PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Kirby Ground Storage Tank Rehabilitation					WA2504		28			
PROJECT DESCRIPTION					PROJECT IMAGE					
Typical coating life expectancy is between 7-15 years. It is recommended to replace the interior and exterior coating systems, restore/update city logo and perform any minor vent and pipe work necessary to maintain this asset. Also it is recommended that a water mixer is added to this structure to circulate volume and eliminate thermal stratification.										
PROJECT JUSTIFICATION										
This GST was built in the late 2000's and reviewing the annual TCEQ tank inspection reports the coatings have exceeded its useful life. 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying										
Construction		\$350,000							\$350,000	\$350,000
Equipment and Furniture										
Contingency		\$70,000							\$70,000	\$70,000
TOTAL COSTS		\$420,000	\$0	\$0	\$0	\$0	\$0	\$0	\$420,000	\$420,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$420,000							\$420,000	\$420,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$420,000	\$0	\$0	\$0	\$0	\$0	\$0	\$420,000	\$420,000
¹ Explain & Identify Type of Other Sources:										

**CITY OF PEARLAND
2021 - 2025 CAPITAL IMPROVEMENT PROGRAM
WASTEWATER**

Project No.	Project Name	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
WW0901	Riverstone Ranch Oversizing	838,609						838,609	
WW1502	Barry Rose WRF Expansion	8,533,209	87,030,000					95,563,209	87,030,000
WW1603	JHEC WRF Expansion	5,705,000	69,940,000					75,645,000	69,940,000
WW1605	Waste Water Collection System and Regionilization Expansion	50,000			720,000	2,910,000		3,680,000	3,630,000
WW1905	Willowcrest Subdivision Sanitary Sewer	1,540,000						1,540,000	
WW1906	Longwood Water Reclamation Facility Decommissioning	1,056,000	6,500,000	13,000,000				20,556,000	19,500,000
WW2001	Miller Ranch Regional Lift Station Odor Control & Rehabilitation	229,000	1,540,000					1,769,000	1,540,000
WW2002	Royal Oaks Lift Station	120,000	748,000					868,000	748,000
WW2004	Shadow Creek Regional Lift Station Rehab and Generator	226,000	1,570,000					1,796,000	1,570,000
WW2005	Sleepy Hollow Sanitary Sewer Rehab	40,000	295,000					335,000	295,000
WW2006	Mykawa Road Sewer Relocation - Jasmine to S Orange Circle	52,000	242,000					294,000	242,000
WW2007	Bailey Sewer Line - Veterans to Bailey Water Plant	30,000	600,000					630,000	600,000
WW2101	Sanitary Sewer Rehabilitation - Old Town District		4,000,000					4,000,000	4,000,000
WW2102	East & West Barnett Lift Stations Rehabilitation		206,000	1,360,000				1,566,000	1,566,000
WW2201	Whispering Winds Lift Station Rehabilitation			166,000	1,130,000			1,296,000	1,296,000
WW2202	Sanitary Sewer Rehabilitation - Old Town District			4,000,000				4,000,000	4,000,000
WW2203	Sunset Meadows Lift Station			124,000	850,000			974,000	974,000
WW2301	Sanitary Sewer Rehabilitation - Old Town District				5,000,000			5,000,000	5,000,000
WW2302	Veterans 2 Regional Lift Station Rehabilitation				252,000	1,800,000		2,052,000	2,052,000
WW2303	Dixie Farm Regional Lift Station Rehabilitation				252,000	1,790,000		2,042,000	2,042,000
WW2304	Cullen Gravity Trunk Sewer - Hughes Ranch Rd to				619,500	4,470,000		5,089,500	5,089,500
WW2401	Sanitary Sewer Rehabilitation - Brookside Acres					5,000,000		5,000,000	5,000,000
WW2402	Hughes Ranch Rd Gravity Sewer - Cullen to Stone					322,000	1,260,000	1,582,000	1,582,000
WW2403	Southdown Regional Lift Station & Force Main					1,829,000	11,260,000	13,089,000	13,089,000
WW2501	Sanitary Sewer Rehabilitation - Sleepy Hollow						7,000,000	7,000,000	7,000,000
WW2502	Walnut Regional Station Generator						864,000	864,000	864,000
	TOTAL	\$ 18,419,818	\$172,671,000	\$ 18,650,000	\$ 8,823,500	\$ 18,121,000	\$ 20,384,000	\$257,069,318	\$238,649,500

SOURCE OF FUNDS	Budgeted Thru 2020	2021	2022	2023	2024	2025	Project Total	2021 - 2025 Allocation
<i>Non-Debt Funded</i>								
System Revenues - Cash	1,822,778	1,551,000	1,290,000	1,364,000	322,000		6,349,778	4,527,000
Impact Fees - Cash	5,864,921			360,000			6,224,921	360,000
Other Funding Sources*	1,491,989						1,491,989	
<i>Water/Sewer Supported Debt (Enterprise Fund)</i>								
W/S Revenue Bonds	9,486,630	31,154,750	49,832,500	37,313,250	15,429,500	14,754,000	157,970,630	148,484,000
Impact Fees - Debt	752,500	22,093,750	35,472,500	20,713,750	2,369,500	5,630,000	87,032,000	86,279,500
Less Projects Appropriated in Previous Year								999,000
TOTAL	\$ 19,418,818	\$ 54,799,500	\$ 86,595,000	\$ 59,751,000	\$ 18,121,000	\$ 20,384,000	\$259,069,318	\$240,649,500

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.



CITY OF PEARLAND

2021-2025

Capital Improvement Projects

Wastewater

- Barry Rose WRF Expansion
- JHEC WRF Expansion
- Longwood Water Reclamation Facility Decommissioning
- Miller Ranch Regional Lift Station Odor Control & Rehab
- Royal Oaks Lift Station Rehab
- Shadow Creek Regional Lift Station Rehab & Generator
- Mykawa Rd Sewer Relocation
- Whispering Winds Lift Station Rehab
- Dixie Farm Regional Lift Station Odor Control & Rehab
- Walnut Regional Station Generator
- Veterans II Regional Lift Station Rehab
- E & W Barnett Lift Stations Rehab
- Sunset Meadows Lift Station
- Hughes Ranch Rd Gravity Sewer
- Southdown Regional Lift Station & Force Main
- Bailey Sewer Line
- Cullen Gravity Trunk Sewer
- ▨ Sleepy Hollow Sanitary Sewer Rehab
- ▨ Willowcrest Subdivision Sanitary Sewer
- ▨ Riverstone Ranch Oversizing
- City Limits
- ETJ

Projects Not Shown
 *SCADA
 *Sanitary Sewer Rehabilitation
 *Waste Water Collection System & Regionalization




1 inch = 1 miles


0 0.5 1 Miles

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 2020
 CITY OF PEARLAND GIS DEPARTMENT


PROJECT NAME		PROJECT #		PREFERENCE ORDER					
Riverstone Ranch Oversizing		WW0901		On Going					
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 and is part of a developer agreement.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
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									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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
¹ 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		
Barry Rose WRF Replacement						WW1502		On Going		
PROJECT DESCRIPTION						PROJECT IMAGE				
<p>This project consists of an expansion from 3.1 MGD to 8.5 MGD. The expansion will be a new treatment plant utilizing membrane bio-reactors (MBR's) as the primary treatment technology with construction through the CMAR process. The existing plant will remain online until the new plant is commissioned. The new plant will retain the existing aeration basin as equalization basins, replace existing influent lift station and reconfigure the site around the new process. A parallel project also includes the decommissioning of the 2 MGD Longwood WRF, construction of a transfer lift station at the Longwood site and approximately 25,000 linear feet of force main to the expanded Barry Rose WRF.</p>										
PROJECT JUSTIFICATION										
<p>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 69% 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. Additionally, during rain events we have exceeded this requirement several time meeting the design requirement. This is also to meet TCEQ's goal of regionalization of wastewater treatment facilities. In 2016 a Preliminary Engineering Report began to determine the specific design parameters required for the plant expansion, including volume and biological loading. The plant was built in 1964, the existing structures are beyond useful life and need to be replaced.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)										
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance			\$150,400	\$451,201	\$451,201					
Capital Outlay										
Total Expense			\$150,400	\$451,201	\$451,201					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report		\$773,209	\$773,209	\$773,209						\$773,209
Land/Right of Way		\$750,000		\$750,000						\$750,000
Design/Surveying		\$6,350,000	\$6,350,000	\$5,200,000	\$1,150,000					\$6,350,000
Construction		\$81,480,000	\$58,000,000	\$1,100,000	\$80,380,000					\$81,480,000
Equipment and Furniture		\$500,000			\$500,000					\$500,000
Contingency		\$5,710,000	\$6,960,000	\$710,000	\$5,000,000					\$5,710,000
TOTAL COSTS		\$95,563,209	\$72,083,209	\$8,533,209	\$87,030,000	\$0	\$0	\$0	\$0	\$95,563,209
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$47,781,604	\$17,840,000	\$4,266,604	\$8,378,750	\$21,757,500	\$13,378,750			\$47,781,604
System Revenue - Cash										
Impact Fees - Cash		\$3,753,396	\$3,390,000	\$3,753,396						\$3,753,396
Impact Fees - Debt		\$43,515,000	\$14,450,000		\$8,378,750	\$21,757,500	\$13,378,750			\$43,515,000
Other Funding Sources ¹ -		\$513,209	\$513,209	\$513,209						\$513,209
TOTAL SOURCES		\$95,563,209	\$36,193,209	\$8,533,209	\$16,757,500	\$43,515,000	\$26,757,500	\$0	\$0	\$95,563,209
¹ 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			
JHEC WRF Expansion				WW1603		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
This project consists of a 2 MGD expansion to the existing 4 MGD Sequential Batch Reactor (SBR) water reclamation facility that will increase the treatment capacity to 6 MGD (plus peak) at the John Hargrove Water Reclamation Facility and includes critical infrastructure to be sized for the ultimate capacity of 8 MGD. The expansion project will be construction via the CMAR procurement process.									
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 75% of the current capacity which requires the design to begin with projected growth increasing to 90% capacity requiring construction which will be met in the next two years.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance			\$372,228	\$496,304	\$496,304				
Capital Outlay									
Total Expense			\$372,228	\$496,304	\$496,304				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report	\$475,000	\$475,000	\$475,000						\$475,000
Land/Right of Way									
Design/Surveying	\$4,510,000	\$3,800,000	\$3,800,000	\$710,000					\$4,510,000
Construction	\$65,200,000	\$1,290,000	\$950,000	\$64,250,000					\$65,200,000
Equipment and Furniture	\$500,000			\$500,000					\$500,000
Contingency	\$4,960,000	\$890,000	\$480,000	\$4,480,000					\$4,960,000
TOTAL COSTS	\$75,645,000	\$6,455,000	\$5,705,000	\$69,940,000	\$0	\$0	\$0	\$0	\$75,645,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$37,629,026	\$2,864,026	\$2,864,026	\$13,715,000	\$13,715,000	\$7,335,000			\$37,629,026
System Revenue - Cash	\$0								
Impact Fees - Cash	\$2,111,525	\$2,111,525	\$2,111,525						\$2,111,525
Impact Fees - Debt	\$35,517,500	\$752,500	\$752,500	\$13,715,000	\$13,715,000	\$7,335,000			\$35,517,500
Other Funding Sources ¹ -	\$386,949	\$386,949	\$386,949						\$386,949
TOTAL SOURCES	\$75,645,000	\$6,115,000	\$6,115,000	\$27,430,000	\$27,430,000	\$14,670,000	\$0	\$0	\$75,645,000
*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 Regionalization Expansion (Roy/Max/Garden Area)						WW1605		11	
PROJECT DESCRIPTION						PROJECT IMAGE			
This project proposes to provide sewer service to previously unsewered areas located along Broadway St from Food Town's lift station to O'Day Rd and also provide sewer service along Reid Blvd, Roy Rd and Garden 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance				(\$1,733)	(\$2,310)				
Capital Outlay									
Total Expense				(\$1,733)	(\$2,310)				
FTE Staff Total									
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS						
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report		\$50,000	\$50,000	\$50,000					\$50,000
Land/Right of Way		\$350,000				\$350,000			\$350,000
Design/Surveying		\$330,000				\$330,000			\$330,000
Construction		\$2,410,000					\$2,410,000		\$2,410,000
Equipment and Furniture									
Contingency		\$540,000				\$40,000	\$500,000		\$540,000
TOTAL COSTS		\$3,680,000	\$50,000	\$50,000	\$0	\$0	\$720,000	\$2,910,000	\$0
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES						
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$1,455,000					\$1,455,000		\$1,455,000
System Revenue - Cash		\$360,000				\$360,000			\$360,000
Impact Fees - Cash		\$360,000				\$360,000			\$360,000
Impact Fees - Debt		\$1,455,000					\$1,455,000		\$1,455,000
Other Funding Sources ¹ -		\$50,000	\$50,000						\$50,000
TOTAL SOURCES		\$3,680,000	\$50,000	\$50,000	\$0	\$0	\$720,000	\$2,910,000	\$0
*Explain & Identify Type of Other Sources: Waste water project 1 in 2017 impact fee update (30% of costs). Fund 550 fund balance \$50,000									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Willowcrest Subdivision Sanitary Sewer				WW1905		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
This project will rehabilitate the sanitary sewer collection system located within the subdivision. There is approximately 12,500 LF of pipe and 40 plus manholes. The project schedule is coordinated with the 2019 approved bond 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 is difficult to maintain. The project will evaluate best method to rehab or replace existing pipe that will 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$186,000	\$165,000	\$186,000						\$186,000
Construction	\$1,100,000	\$1,100,000	\$1,100,000						\$1,100,000
Equipment and Furniture									
Contingency	\$254,000	\$275,000	\$254,000						\$254,000
TOTAL COSTS	\$1,540,000	\$1,540,000	\$1,540,000	\$0	\$0	\$0	\$0	\$0	\$1,540,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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						\$1,300,000
System Revenue - Cash	\$240,000	\$240,000	\$240,000						\$240,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,540,000	\$1,540,000	\$1,540,000	\$0	\$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		On Going				
PROJECT DESCRIPTION				PROJECT IMAGE						
The project consists of the decommissioning of the Longwood Water Reclamation Facility (LWRF) and construction of a regional lift station to transfer the 2 MGD flows (plus peak) to the expanded Barry Rose Water Reclamation Facility (BRWRF) via a new force main. The Longwood force main's anticipated length is approximately 25,000 linear feet to run within the Harris County Flood Control District Clear Creek limits.										
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. Age (built in 1960s), condition, and location make this 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way		\$1,500,000			\$1,500,000					\$1,500,000
Design/Surveying										
Construction		\$15,880,000	\$15,880,000	\$880,000	\$5,000,000	\$10,000,000				\$15,880,000
Equipment and Furniture										
Contingency		\$3,176,000	\$3,000,000	\$176,000		\$3,000,000				\$3,176,000
TOTAL COSTS		\$20,556,000	\$18,880,000	\$1,056,000	\$6,500,000	\$13,000,000	\$0	\$0	\$0	\$20,556,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$20,556,000	\$9,000,000	\$1,056,000	\$1,500,000	\$9,000,000	\$9,000,000			\$20,556,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$20,556,000	\$9,000,000	\$1,056,000	\$1,500,000	\$9,000,000	\$9,000,000	\$0	\$0	\$20,556,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Miller Ranch Regional Lift Station Rehabilitation				WW2001		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
This project will rehabilitate the aging regional lift station and will include rehabilitation of the wet well removing the T-Lock and replacing with Sewpercoat lining, provide temporary by-pass pumping, replace existing two 20 year old submersible pumps with City standard Flygt submersibles adding the required third pump including guiderails, replace valves and blast and re-coat piping, provide odor control, provide new City standard electrical control panel along with new electrical rack and new upgraded electrical service, provide a new automatic transfer switch for permanent generator connection and generator.									
PROJECT JUSTIFICATION									
This lift station wet well and equipment has experienced exceptionally corrosive materials accelerating wear and aging of wet well and pumps. Consequently the pumping and piping equipment is approaching the end of its useful life. A structural rehabilitation of the wet well to prevent total replacement and prolong the life another 10 to 15 years is necessary. Changes to the pumps will require the upgrade of the electrical controller to re-establish pump rotation and ready the site for SCADA control. Per City criteria for regional lift station facilities requires the addition of an automatic transfer switch, emergency generator and odor control.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$5,000	\$20,000	\$20,000	\$20,000				
Capital Outlay									
Total Expense		\$5,000	\$20,000	\$20,000	\$20,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$201,000	\$105,000	\$201,000						\$201,000
Construction	\$1,340,000	\$700,000		\$1,340,000					\$1,340,000
Equipment and Furniture									
Contingency	\$228,000	\$140,000	\$28,000	\$200,000					\$228,000
TOTAL COSTS	\$1,769,000	\$945,000	\$229,000	\$1,540,000	\$0	\$0	\$0	\$0	\$1,769,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,540,000	\$945,000		\$1,540,000					\$1,540,000
System Revenue - Cash	\$229,000		\$229,000						\$229,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,769,000	\$945,000	\$229,000	\$1,540,000	\$0	\$0	\$0	\$0	\$1,769,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Royal Oaks Lift Station Rehabilitation				WW2002		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
This project will rehabilitate the aging lift station and will include removal of the existing wet well and replace with an 8 foot wet well with Sewper Coat lining, replace two self-priming Gorman Rupp pumps with Flygt submersibles including guiderails and new wet well top, replace valves and discharge piping, provide new city standard electrical control panel along with new electrical rack and provide a new City standard manual transfer switch for mobile generator connection. Additional items include replacement of the concrete work slab surrounding the wet well and install new 8 foot cedar picket fence.									
PROJECT JUSTIFICATION									
This lift station wet well and equipment is approaching the end of its useful life. A replacement with Sewper Coat will replace the existing structure and prolong the life of this asset. The self-priming pumps are 30 plus years old and require replacement. Changes to the pumps will require the upgrade of the electrical controller and the site requires the addition of a manual transfer switch for emergency power situations.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance		\$2,050	(\$8,200)	(\$8,200)	(\$8,200)				
Capital Outlay									
Total Expense		\$2,050	(\$8,200)	(\$8,200)	(\$8,200)				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$100,000	\$60,000	\$100,000						\$100,000
Construction	\$640,000	\$500,000		\$640,000					\$640,000
Equipment and Furniture									
Contingency	\$128,000		\$20,000	\$108,000					\$128,000
TOTAL COSTS	\$868,000	\$560,000	\$120,000	\$748,000	\$0	\$0	\$0	\$0	\$868,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$868,000	\$560,000	\$560,000	\$308,000					\$868,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$868,000	\$560,000	\$560,000	\$308,000	\$0	\$0	\$0	\$0	\$868,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Shadow Creek Regional Lift Station Rehab and Generator				WW2004		On Going				
PROJECT DESCRIPTION				PROJECT IMAGE						
This project will rehabilitate the aging regional lift station and will include rehabilitation of the wet well removing existing T-Lock that is failing and replacing with SewperCoat lining, provide temporary by-pass pumping, replace existing two 20 year old submersible pumps with City standard Flygt submersibles including guiderails, replace valves and piping, install plug valve for emergency by-pass pumping, provide new City standard electrical control panel along with new electrical rack and new upgraded electrical service, provide a new automatic transfer switch for permanent generator connection and generator.										
PROJECT JUSTIFICATION										
This lift station wet well and equipment has experienced exceptionally corrosive materials accelerating wear and aging of wet well and pumps. Consequently the pumping and piping equipment is approaching the end of its useful life. A structural rehabilitation of the wet well to prevent total replacement and prolong the life another 10 to 15 years is necessary. Changes to the pumps will require the upgrade of the electrical controller to re-establish pump rotation and ready the site for SCADA control. Per City criteria for regional facilities requires the addition of an automatic transfer switch, emergency generator and odor control.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$200,000	\$45,000	\$200,000							\$200,000
Construction	\$1,330,000	\$300,000		\$1,330,000						\$1,330,000
Equipment and Furniture										
Contingency	\$266,000	\$30,000	\$26,000	\$240,000						\$266,000
TOTAL COSTS	\$1,796,000	\$375,000	\$226,000	\$1,570,000	\$0	\$0	\$0	\$0	\$0	\$1,796,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,421,000			\$1,421,000						\$1,421,000
System Revenue - Cash	\$375,000	\$375,000	\$375,000							\$375,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$1,796,000	\$375,000	\$375,000	\$1,421,000	\$0	\$0	\$0	\$0	\$0	\$1,796,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Sleepy Hollow Sanitary Sewer Rehabilitation				WW2005		On Going			
PROJECT DESCRIPTION				PROJECT IMAGE					
This project includes 2,900 LF of 8" sanitary sewer rehabilitation / replacement by the most cost effective method. The project schedule is coordinated with the 2019 approved bond project.									
PROJECT JUSTIFICATION									
Sleepy Hollow subdivision is located Northwest of Yost Boulevard and adjacent to Clear Creek and was originally developed in early 1980's. 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$40,000	\$40,000	\$40,000						\$40,000
Construction	\$250,000			\$250,000					\$250,000
Equipment and Furniture									
Contingency	\$45,000			\$45,000					\$45,000
TOTAL COSTS	\$335,000	\$40,000	\$40,000	\$295,000	\$0	\$0	\$0	\$0	\$335,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$335,000	\$40,000	\$40,000	\$295,000					\$335,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$335,000	\$40,000	\$40,000	\$295,000	\$0	\$0	\$0	\$0	\$335,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Mykawa Road Sewer Relocation - Jasmine to S Orange Circle				WW2006		On Going				
PROJECT DESCRIPTION				PROJECT IMAGE						
Install approximately 400 feet of 15 inch gravity sewer line from 300 feet north of Jasmine to the manhole at South Orange Circle. Includes installation of two manholes, the abandonment and fill of the existing 12 inch sanitary syphon under Mykawa ditch. Work includes traffic control and dewatering.										
PROJECT JUSTIFICATION										
Installation of this gravity segment will remove the sanitary syphon currently in the path of the Mykawa ditch pipe-in under construction by Brazoria Drainage District 4 and the future Mykawa Road widening project.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$42,000		\$42,000							\$42,000
Construction	\$210,000			\$210,000						\$210,000
Equipment and Furniture										
Contingency	\$42,000		\$10,000	\$32,000						\$42,000
TOTAL COSTS	\$294,000	\$0	\$52,000	\$242,000	\$0	\$0	\$0	\$0	\$0	\$294,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$294,000		\$52,000	\$242,000						\$294,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$294,000	\$0	\$52,000	\$242,000	\$0	\$0	\$0	\$0	\$0	\$294,000
¹ Explain & Identify Type of Other Sources:										

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Bailey Sewer Line - Veterans to Bailey Water Plant				WW2007		On Going				
PROJECT DESCRIPTION				PROJECT IMAGE						
Construct a sanitary sewer from the Natatorium to the Bailey WTP site to transfer waste to the City's sanitary sewer system and also plan for the construction of Fire Station #7.										
PROJECT JUSTIFICATION										
This project will gravity feed waste from the Natatorium and future Fire Station 7 and carry discharge from the Bailey WTP site to JHEC.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget				<input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)						
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$30,000		\$30,000						\$30,000
Construction		\$500,000			\$500,000					\$500,000
Equipment and Furniture										
Contingency		\$100,000			\$100,000					\$100,000
TOTAL COSTS		\$630,000	\$0	\$30,000	\$600,000	\$0	\$0	\$0	\$0	\$630,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$600,000			\$600,000					\$600,000
System Revenue - Cash		\$30,000		\$30,000						\$30,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$630,000	\$0	\$30,000	\$600,000	\$0	\$0	\$0	\$0	\$630,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Sanitary Sewer Rehabilitation - Old Town District					WW2101		2		
PROJECT DESCRIPTION					PROJECT IMAGE				
Inflow and infiltration program to rehabilitate failing sanitary collections system over thirty years of age in the following basins over a period of years. The Barry Rose and John Hargrove Reclamation Facilities have areas within the sanitary sewer basins that has reached an age where I&I has increased the flows at critical areas like lift stations and the treatment plants. In FY 21, the team will focus on the essential and immediate sanitary sewer rehabilitation needs in Old Town District, North and South of FM 518 and east of FM 35. There is approximately 11,200 feet of sewer line that has reached it's useable life. This would be rehab using trenchless technology along with manhole rehabilitation.									
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. The program will include best practices trenchless technology and manhole rehabilitation for the service area.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$4,000,000			\$4,000,000					\$4,000,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$4,000,000	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$0	\$4,000,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$4,000,000			\$4,000,000					\$4,000,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$4,000,000	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$0	\$4,000,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME						PROJECT #	PREFERENCE ORDER			
East & West Barnett Lift Stations Rehabilitation						WW2102	3			
PROJECT DESCRIPTION						PROJECT IMAGE				
This project will replace two aging lift stations and will include coating of the wet well with Sewper Coat lining, replace the single small grinder pump with a 6 foot wet well and new submersibles including guiderails and new wet well top, replace valves and discharge piping, provide new city standard electrical control panel along with new electrical rack and provide a new City standard manual transfer switch for mobile generator connection. Additional items include replacement of the concrete work slab surrounding the wet well and install new 8 foot cedar picket fence.										
PROJECT JUSTIFICATION										
The two lift stations wet well and equipment are approaching the end of their useful life. A replacement with Sewper Coat will replace the existing structure and prolong the life of this asset. The grinder pumps have been replaced multiple times over the years. Changes to the pumps will require the upgrade of the electrical controller and the site requires the addition of a manual transfer switch for emergency power situations.										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget						<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)				
Fiscal Year	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS								
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL	
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying	\$174,000			\$174,000						\$174,000
Construction	\$1,160,000				\$1,160,000					\$1,160,000
Equipment and Furniture										
Contingency	\$232,000			\$32,000	\$200,000					\$232,000
TOTAL COSTS	\$1,566,000	\$0	\$0	\$206,000	\$1,360,000	\$0	\$0	\$0	\$0	\$1,566,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES								
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,360,000				\$1,360,000					\$1,360,000
System Revenue - Cash	\$206,000			\$206,000						\$206,000
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES	\$1,566,000	\$0	\$0	\$206,000	\$1,360,000	\$0	\$0	\$0	\$0	\$1,566,000
¹ Explain & Identify Type of Other Sources:										


PROJECT NAME						PROJECT #		PREFERENCE ORDER	
SCADA						WW2103		1	
PROJECT DESCRIPTION						PROJECT IMAGE			
<p>City's Supervisory Control and Data Acquisition (SCADA) project that will update/replace an antiquated system that was installed in the early 2000's. The project will evaluate the existing facilities with the goal of standardizing the water and wastewater facilities infrastructure components and software and begin the migration from the existing system to the updated system (GE iFix 6) that will incorporate the SCADA system at Reflection Bay and complete the centralization of data storage at the Public Safety Building. This phase of the project will focus on the 70 lift stations to connect them on the system.</p>									
PROJECT JUSTIFICATION									
<p>Since the implementation of SCADA over 15 years ago, the system has reached the end of its useful life and equipment that has been in place is no longer supported and is outdated. Public Works has been utilizing the equipment and programming to the best of the ability but with new equipment and the advancements in technology of the equipment, the existing SCADA system is unable to support these improvements.</p>									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction									
Equipment and Furniture	\$2,000,000			\$500,000	\$1,000,000	\$500,000			\$2,000,000
Contingency									
TOTAL COSTS	\$2,000,000	\$0	\$0	\$500,000	\$1,000,000	\$500,000	\$0	\$0	\$2,000,000
FUNDING SOURCES	TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
		2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$2,000,000			\$500,000	\$1,000,000	\$500,000			\$2,000,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$2,000,000	\$0	\$0	\$500,000	\$1,000,000	\$500,000	\$0	\$0	\$2,000,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Whispering Winds Lift Station Rehabilitation					WW2201		4		
PROJECT DESCRIPTION					PROJECT IMAGE				
This project will relocate and replace the aging lift station and will include installation of a new wet well with Sewper Coat lining, extend the gravity and force main to a new location, replace two self-priming Gorman Rupp pumps with Flygt submersibles including guiderails and new wet well top, replace valves and discharge piping, provide new city standard electrical control panel along with new electrical rack and provide a new City standard manual transfer switch for mobile generator connection. Additional items include the installation of a concrete work slab surrounding the wet well and install a new 8 foot cedar picket fence.									
PROJECT JUSTIFICATION									
This lift station wet well and equipment is approaching the end of its useful life. A plan is in place to relocate this lift station to the end of the cul-de-sac and revitalize this asset. The self-priming pumps are 30 plus years old and require replacement. Changes to the pumps will require the upgrade of the electrical controller and the site requires the addition of a manual transfer switch for emergency power situations.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$144,000				\$144,000				\$144,000
Construction	\$960,000					\$960,000			\$960,000
Equipment and Furniture									
Contingency	\$192,000				\$22,000	\$170,000			\$192,000
TOTAL COSTS	\$1,296,000	\$0	\$0	\$0	\$166,000	\$1,130,000	\$0	\$0	\$1,296,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,130,000					\$1,130,000			\$1,130,000
System Revenue - Cash	\$166,000				\$166,000				\$166,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,296,000	\$0	\$0	\$0	\$166,000	\$1,130,000	\$0	\$0	\$1,296,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Sanitary Sewer Rehabilitation - Old Town District					WW2202		5		
PROJECT DESCRIPTION					PROJECT IMAGE				
Inflow and infiltration program to rehabilitate failing sanitary collections system over thirty years of age in the following basins over a period of years. The Barry Rose and John Hargrove Reclamation Facilities have areas within the sanitary sewer basins that has reached an age where I&I has increased the flows at critical areas like lift stations and the treatment plants. In FY21, the team will focus on the essential and immediate sanitary sewer rehabilitation needs in Old Town District, North of FM518 and west of FM 35 and east of Mykawa. There is approximately 14,696 feet of sewer line that has reached it's useable life. This would be rehab using trenchless technology along with manhole rehabilitation.									
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. The program will include best practices trenchless technology and manhole rehabilitation for the service area.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$4,000,000				\$4,000,000				\$4,000,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$4,000,000	\$0	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$4,000,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$4,000,000				\$4,000,000				\$4,000,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$4,000,000	\$0	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$4,000,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Sunset Meadows Lift Station					WW2203		6		
PROJECT DESCRIPTION					PROJECT IMAGE				
This project will rehabilitate the aging lift station and will include the removal and installation of a new 6' wet well with Sewper Coat lining, replace two self-priming Gorman Rupp pumps with Flygt submersibles including guiderails and new wet well top, replace valves and discharge piping, provide new city standard electrical control panel along with new electrical rack and provide a new City standard manual transfer switch for mobile generator connection. Additional items include replacement of the concrete work slab surrounding the wet well and install new 8 foot cedar picket fence.									
PROJECT JUSTIFICATION									
As development has grown the 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.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$110,000				\$110,000				\$110,000
Construction	\$720,000					\$720,000			\$720,000
Equipment and Furniture									
Contingency	\$144,000				\$14,000	\$130,000			\$144,000
TOTAL COSTS	\$974,000	\$0	\$0	\$0	\$124,000	\$850,000	\$0	\$0	\$974,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$850,000					\$850,000			\$850,000
System Revenue - Cash	\$124,000				\$124,000				\$124,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$974,000	\$0	\$0	\$0	\$124,000	\$850,000	\$0	\$0	\$974,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Sanitary Sewer Rehabilitation - Old Town District					WW2301		7		
PROJECT DESCRIPTION					PROJECT IMAGE				
Inflow and infiltration program to rehabilitate failing sanitary collections system over thirty years of age in the following basins over a period of years. The Barry Rose and John Hargrove Reclamation Facilities have areas within the sanitary sewer basins that has reached an age where I&I has increased the flows at critical areas like lift stations and the treatment plants. In FY21, the team will focus on the essential and immediate sanitary sewer rehabilitation needs in Old Town District, South of FM518 and west of FM 35 and east of Mykawa. There is approximately 16,210 feet of sewer line that has reached it's useable life. This would be rehab using trenchless technology along with manhole rehabilitation.									
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. The program will include best practices trenchless technology and manhole rehabilitation for the service area.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)				
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$5,000,000					\$5,000,000			\$5,000,000
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	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$5,000,000					\$5,000,000			\$5,000,000
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		
Veterans 2 Regional Lift Station Rehabilitation					WW2302		8		
PROJECT DESCRIPTION					PROJECT IMAGE				
This project will rehabilitate the aging regional lift station and will include rehabilitation of the wet well removing the T-Lock and replacing with Sewpercoat lining, provide temporary by-pass pumping, replace submersible pumps and guiderails, replace piping, provide new City standard electrical control panel along with new electrical rack and new upgraded electrical service, provide a new automatic transfer switch for permanent generator connection and generator.									
PROJECT JUSTIFICATION									
This lift station wet well and equipment has experienced exceptionally corrosive materials accelerating wear and aging of wet well and pumps. Consequently the pumping and piping equipment is approaching the end of its useful life. A structural rehabilitation of the wet well to prevent total replacement and prolong the life another 10 to 15 years is necessary. Changes to the pumps will require the upgrade of the electrical controller to re-establish pump rotation and ready the site for SCADA control. Per City criteria for regional facilities requires the addition of an automatic transfer switch, emergency generator and odor control.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (See Below)				
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$228,000					\$228,000			\$228,000
Construction	\$1,520,000						\$1,520,000		\$1,520,000
Equipment and Furniture									
Contingency	\$304,000					\$24,000	\$280,000		\$304,000
TOTAL COSTS	\$2,052,000	\$0	\$0	\$0	\$0	\$252,000	\$1,800,000	\$0	\$2,052,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,800,000						\$1,800,000		\$1,800,000
System Revenue - Cash	\$252,000					\$252,000			\$252,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$2,052,000	\$0	\$0	\$0	\$0	\$252,000	\$1,800,000	\$0	\$2,052,000
¹ Explain & Identify Type of Other Sources:									


PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Dixie Farm Regional Lift Station Rehabilitation					WW2303		9		
PROJECT DESCRIPTION					PROJECT IMAGE				
This project will rehabilitate the aging regional lift station and will include rehabilitation of the wet well removing the T-Lock and replacing with Sewpercoat lining, provide temporary by-pass pumping, replace existing three submersible pumps with City standard Flygt submersibles including guiderails, replace valves and piping, odor control, provide new City standard electrical control panel along with new electrical rack and new upgraded electrical service, provide a new automatic transfer switch for permanent generator connection and diesel generator.									
PROJECT JUSTIFICATION									
This lift station wet well and equipment has experienced exceptionally corrosive materials accelerating wear and aging of wet well and pumps. Consequently the pumping and piping equipment is approaching the end of its useful life. A structural rehabilitation of the wet well to prevent total replacement and prolong the life another 10 to 15 years is necessary. Changes to the pumps will require the upgrade of the electrical controller to re-establish pump rotation and ready the site for SCADA control. Per City criteria for regional facilities requires the addition of an automatic transfer switch, emergency generator and odor control.									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance					\$10,000				
Capital Outlay									
Total Expense					\$10,000				
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying	\$230,000					\$230,000			\$230,000
Construction	\$1,510,000						\$1,510,000		\$1,510,000
Equipment and Furniture									
Contingency	\$302,000					\$22,000	\$280,000		\$302,000
TOTAL COSTS	\$2,042,000	\$0	\$0	\$0	\$0	\$252,000	\$1,790,000	\$0	\$2,042,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,790,000						\$1,790,000		\$1,790,000
System Revenue - Cash	\$252,000					\$252,000			\$252,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$2,042,000	\$0	\$0	\$0	\$0	\$252,000	\$1,790,000	\$0	\$2,042,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME					PROJECT #		PREFERENCE ORDER		
Sanitary Sewer Rehabilitation - Brookside Acres					WW2401		12		
PROJECT DESCRIPTION					PROJECT IMAGE				
Inflow and infiltration program to rehabilitate failing sanitary collections system over thirty years of age in the following basins over a period of years. The Barry Rose and John Hargrove Reclamation Facilities have areas within the sanitary sewer basins that has reached an age where I&I has increased the flows at critical areas like lift stations and the treatment plants. In FY 24 the team will work in Hatfield Road area near Rice and Scott to complete the sanitary sewer rehabilitation. This area is located west of Mykawa, south of Brookside Dr, east of Hatfield. There is approximately 15,295 feet of sewer line that has reached it's useable life. This would be rehab using trenchless technology along with manhole rehabilitation.									
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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$5,000,000						\$5,000,000		\$5,000,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$5,000,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$5,000,000						\$5,000,000		\$5,000,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$0	\$5,000,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Hughes Ranch Road Gravity Sewer - Cullen to Stone				WW2402		13			
PROJECT DESCRIPTION				PROJECT IMAGE					
This project will include the installation of sanitary sewer along Hughes Ranch Road between Cullen and Stone. Included within this project is the installation of sanitary sewer along Hawk Meadows and Lee Rd. Currently there are no sanitary sewer services in this section of the community and it is the intent of the City to expand current systems to provide all residents with waste water services. Approximately 1.3 miles of sanitary sewer will be installed as part of this project.									
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 area of Hughes Ranch Road, Lee Drive and Hawk Meadows 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	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way	\$150,000						\$150,000		\$150,000
Design/Surveying	\$160,000						\$160,000		\$160,000
Construction	\$1,060,000							\$1,060,000	\$1,060,000
Equipment and Furniture									
Contingency	\$212,000						\$12,000	\$200,000	\$212,000
TOTAL COSTS	\$1,582,000	\$0	\$0	\$0	\$0	\$0	\$322,000	\$1,260,000	\$1,582,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$1,260,000							\$1,260,000	\$1,260,000
System Revenue - Cash	\$322,000						\$322,000		\$322,000
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$1,582,000	\$0	\$0	\$0	\$0	\$0	\$322,000	\$1,260,000	\$1,582,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME						PROJECT #		PREFERENCE ORDER		
Southdown Regional Lift Station & Force Main						WW2403		14		
PROJECT DESCRIPTION						PROJECT IMAGE				
Construct regional lift station and force main to serve the Southdown service area. The construction of the force main, wet well 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 and 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance					\$3,075					
Capital Outlay										
Total Expense					\$3,075					
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way	\$50,000							\$50,000		\$50,000
Design/Surveying	\$1,240,000							\$1,240,000		\$1,240,000
Construction	\$10,260,000								\$10,260,000	\$10,260,000
Equipment and Furniture										
Contingency	\$1,539,000							\$539,000	\$1,000,000	\$1,539,000
TOTAL COSTS	\$13,089,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,829,000	\$11,260,000	\$13,089,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$6,544,500							\$914,500	\$5,630,000	\$6,544,500
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt	\$6,544,500							\$914,500	\$5,630,000	\$6,544,500
Other Funding Sources ¹ -										
TOTAL SOURCES	\$13,089,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,829,000	\$11,260,000	\$13,089,000
¹ Explain & Identify Type of Other Sources: Waste water project 4 in 2017 impact fee update (20% of costs).										

PROJECT NAME				PROJECT #		PREFERENCE ORDER			
Sanitary Sewer Rehabilitation - Sleepy Hollow				WW2501		15			
PROJECT DESCRIPTION				PROJECT IMAGE					
<p>Inflow and infiltration program to rehabilitate failing sanitary collections system over thirty years of age in the following basins over a period of years. The Barry Rose and John Hargrove Reclamation Facilities have areas within the sanitary sewer basins that has reached an age where I&I has increased the flows at critical areas like lift stations and the treatment plants. In FY 25 the team will work in Sleepy Hollow subdivision to complete the sanitary sewer rehabilitation. There is approximately 18,000 feet of sewer line that has reached it's useable life. This would be rehab using trenchless technology along with manhole rehabilitation.</p>									
PROJECT JUSTIFICATION									
<p>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.</p>									
INCREMENTAL OPERATING AND MAINTENANCE COSTS									
Impact on operating budget <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)									
Fiscal Year	2021	2022	2023	2024	2025				
Total Revenue									
Personnel Services									
Operation & Maintenance									
Capital Outlay									
Total Expense									
FTE Staff Total									
FY PROJECTED ALLOCATIONS									
PROJECT COSTS ALLOCATION	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report									
Land/Right of Way									
Design/Surveying									
Construction	\$7,000,000							\$7,000,000	\$7,000,000
Equipment and Furniture									
Contingency									
TOTAL COSTS	\$7,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000,000	\$7,000,000
FY PROJECTED FUNDING SOURCES									
FUNDING SOURCES	TOTAL BUDGET	2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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	\$7,000,000							\$7,000,000	\$7,000,000
System Revenue - Cash									
Impact Fees - Cash									
Impact Fees - Debt									
Other Funding Sources ¹ -									
TOTAL SOURCES	\$7,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000,000	\$7,000,000
¹ Explain & Identify Type of Other Sources:									

PROJECT NAME				PROJECT #		PREFERENCE ORDER				
Walnut Regional Lift Station Generator				WW2502		16				
PROJECT DESCRIPTION				PROJECT IMAGE						
As a regional lift station this site will require a permanent generator with automatic transfer switch.										
PROJECT JUSTIFICATION										
The pump station is a main regional pump station that has flow coming from several other lift stations. 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	2021	2022	2023	2024	2025					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
PROJECT COSTS ALLOCATION		TOTAL BUDGET	FY PROJECTED ALLOCATIONS							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	PROJECT TOTAL
Prelim. Engineering Report										
Land/Right of Way										
Design/Surveying		\$96,000							\$96,000	\$96,000
Construction		\$640,000							\$640,000	\$640,000
Equipment and Furniture										
Contingency		\$128,000							\$128,000	\$128,000
TOTAL COSTS		\$864,000	\$0	\$0	\$0	\$0	\$0	\$0	\$864,000	\$864,000
FUNDING SOURCES		TOTAL BUDGET	FY PROJECTED FUNDING SOURCES							
			2020 ADOPTED BUDGET	PROJECTED THRU 2020	2021	2022	2023	2024	2025	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		\$864,000							\$864,000	\$864,000
System Revenue - Cash										
Impact Fees - Cash										
Impact Fees - Debt										
Other Funding Sources ¹ -										
TOTAL SOURCES		\$864,000	\$0	\$0	\$0	\$0	\$0	\$0	\$864,000	\$864,000
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



City of Pearland
3519 Liberty Drive
Pearland, Texas 77581
281.652.1600

pearlandtx.gov